

NOTICE & DISCLAIMER

In order to provide greater transparency to the public regarding the expenditure of funds authorized by the American Recovery and Reinvestment Act of 2009, the DOE State Energy Program has posted on its public website the ARRA Formula Grant applications submitted by each grantee state and territory.

These applications provide information about the state offices responsible for administering the funds, as well as an overview of how the funds are to be spent.

PLEASE NOTE: The information contained in this ARRA SEP Formula Grant application document may not reflect the final document as approved by DOE. The posted document is subject to change and may have modifications pending.

APPLICATION FOR FEDERAL ASSISTANCE SF-424

Version 02

1. Type of Submission:

- Preapplication
- Application
- Changed/Corrected Application

2. Type of Application:

- New
- Continuation
- Revision

If Revision, select appropriate letter(s)

Other (specify):

3. Date Received

4. Applicant Identifier:

5a. Fed Entity Identifier:

5b. Federal Award Identifier:

EE00224

State Use Only:

6. Date Received by State: 04/15/2009

7. State Application Identifier:

8. APPLICANT INFORMATION:

a. Legal Name: Alabama Dept. of Econ. and Com

b. Employer/Taxpayer Identification Number (EIN/TIN):

c. Organizational DUNS:

d. Address:

Street 1: P.O. Box 5690

Street 2: 401 Adams Ave.

City: Montgomery

County: Montgomery

State: AL

Province:

Country: U.S.A.

Zip / Postal Code: 36103-5690

e. Organizational Unit:

Department Name:
Alabama Dept. of Econ. and Com

Division Name:
Energy Division

f. Name and contact information of person to be contacted on matters involving this application:

Prefix: Mr. First Name: Karl

Middle Name: D.

Last Name: Frost

Suffix:

Title: SEP Manager

Organizational Affiliation:

Telephone Number: (334)242-5322

Fax Number: (334)242-0552

Email: karl.frost@adeca.alabama.gov

APPLICATION FOR FEDERAL ASSISTANCE SF-424

Version 02

9. Type of Applicant:

A State Government (State)

10. Name of Federal Agency:

U. S. Department of Energy

11. Catalog of Federal Domestic Assistance Number:

81.041

CFDA Title:

State Energy Program

12. Funding Opportunity Number:

DE-FOA-0000052

Title:

State Energy Program Formula Grant - American Recovery and Reinvestment Act (ARRA)

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Statewide

15. Descriptive Title of Applicant's Project:

APPLICATION FOR FEDERAL ASSISTANCE SF-424

Version 02

16. Congressional District Of:

a. Applicant: Statewide

b. Program/Project: Statewide

Attach an additional list of Program/Project Congressional Districts if needed:

17. Proposed Project:

a. Start Date: 04/21/2009

b. End Date: 04/30/2012

18. Estimated Funding (\$):

a. Federal	55,570,000.00
b. Applicant	0.00
c. State	0.00
d. Local	0.00
e. Other	0.00
f. Program Income	0.00
g. TOTAL	55,570,000.00

19. Is Application subject to Review By State Under Executive Order 12372 Process?:

- a. This application was made available to the State under the Executive Order 12372 Process for review on:
- b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- c. Program is not covered by E.O. 12372

20. Is the applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation)

No

21. By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code Title 218, Section 1001)**

I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: Mr. First Name: Bill

Middle Name:

Last Name: Johnson

Suffix:

Title: Director, ADECA

Telephone Number: (334)242-5667

Fax Number:

Email: bill.johnson@adeca.alabama.gov

Signature of Authorized Representative: Signed Electronically

Date Signed: 03/19/2009

APPLICATION FOR FEDERAL ASSISTANCE SF-424

Version 02

Applicant Federal Debt Delinquency Explanation:

The following field should contain an explanation if the Applicant is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.

**U.S. DEPARTMENT OF ENERGY
GOLDEN FIELD OFFICE**



BUDGET EXPLANATION FOR FORMULA GRANTS

Applicant: Alabama Dept. of Econ. and Com

Budget period: 04/21/2009 - 04/30/2012

Award number: EE00224

Amendment number: A000

1. PERSONNEL - Prime Applicant only (all other participant costs are listed in 6 below and form DOE F 4600.4, Section B. Line 6.f. Contracts and Sub-Grants).

Positions to be supported under the proposed award and brief description of the duties of professionals:

<u>Position</u>	<u>Description of Duties of Professionals</u>
Planning & Economic Development Specialist IV	Energy Efficiency & Renewables Section Chief, administrator for the State Energy Program - American Recovery and Reinvestment Act (SEP-ARRA)
Energy Management Engineer	Program Manager for State Buildings Program, Performance Contracting, State Correctional Facilities Retrofits Program; provides engineering analysis on energy projects, conducts energy audits and energy efficiency training/workshops, provides technical assistance on requests for energy information; manages and monitors SEP-ARRA energy loans and prepares reports; prepares grant applications and plans
Planning & Economic Development Specialist III	Program Manager for SEP-ARRA, School Retrofit Program; manages and monitors SEP-ARRA grants and prepares reports; reviews invoices, prepares grant applications and plans
Planning & Economic Development Specialist III	Program Manager for Building Energy Codes, Energy Audit Training, HERS Training, High Performance Building Training; manages and monitors SEP-ARRA grants and prepares reports; reviews invoices, prepares grant applications and plans
Planning & Economic Development Specialist III	Program Manager for Energy Revolving Loan Fund; manages and monitors SEP-ARRA grants and prepares reports; reviews invoices, prepares grant applications and plans
Planning & Economic Development Specialist III	Manages and monitors SEP-ARRA grants and prepares reports; reviews invoices, prepares grant applications and plans; reviews SEP-ARRA proposals
Planning & Economic Development Specialist I/II	Program Manager for Automotive Industrial Efficiency Program; manages and monitors SEP-ARRA grants, prepares reports, reviews invoices, prepares grant applications and plans
Planning & Economic Development Specialist I/II	3-year SEP-ARRA conditional personnel; manages and monitors grants, prepares reports, reviews invoices, prepares grant applications and plans
Planning & Economic Development Specialist I/II	3-year SEP-ARRA conditional personnel; manages and monitors grants, prepares reports, reviews invoices, prepares grant applications and plans
Administrative Support Assistant III	Provides administrative support to SEP-ARRA, subgrant administration and data entry for WinSAGA

Note: Per-position breakdown of salary and fringe benefit rates sent to DOE Project Officer via email on 6/18/2009. All program management costs are estimated by allocation of staff time required to implement the ARRA SEP and anticipated time allocations for the term of the grant. Actual time is allocated, charged and accounted for separately according to regulations.

Direct Personnel Compensation:

<u>Position</u>	<u>Salary/Rate</u>	<u>Time</u>	<u>Direct Pay</u>
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04/07/2010

Planning & Economic Development Specialist IV	\$0.00	30 % FT
Energy Management Engineer	\$0.00	50 % FT
Planning & Economic Development Specialist III	\$0.00	50 % FT
Planning & Economic Development Specialist III	\$0.00	40 % FT
Planning & Economic Development Specialist III	\$0.00	50 % FT
Planning & Economic Development Specialist III	\$0.00	50 % FT
Planning & Economic Development Specialist I/II	\$0.00	49 % FT
Planning & Economic Development Specialist I/II	\$0.00	100 % FT
Planning & Economic Development Specialist I/II	\$0.00	100 % FT
Administrative Support Assistant III	\$0.00	50 % FT
Note: Per-position breakdown of salary and fringe benefit rates sent to DOE Project Officer via email on 6/18/2009. All program management costs are estimated by allocation of staff time required to implement the ARRA SEP and anticipated time allocations for the term of the grant. Actual time is allocated, charged and accounted for separately according to regulations.	\$753,686.00	
	\$0.00	
	\$0.00	
	\$0.00	

2. FRINGE BENEFITS

a. Are the fringe cost rates approved by a Federal Agency? If so, identify the agency and date of latest rate agreement or audit below, and include a copy of the rate agreement.

b. If a above does not apply, indicate the basis for computation of rates, including the types of benefits to be provided, the rate(s) used, and the cost base for each rate. You may provide the information below or provide the calculations as an attachment.

Fringe cost rates included in Indirect Cost Plan - PDF copy of current plan was submitted to the Federal Project Officer on 6/18/09. Per-position breakdown of fringe benefits is also included in spreadsheet sent to DOE Project Manager via email on 6/18/09.

FICA 7.65%
 Retirement 11.88%
 Insurance \$795 per person per month

3 yr Total: \$310,089.00

3. TRAVEL - Identify total foreign and domestic travel as separate items.

a. Proposed travel:

<u>Purpose of Trip</u>	<u>Number of Trips</u>	<u>Cost Per Trip</u>	<u>Total</u>
Monitor programs - based on number of anticipated subgrantee projects	100	\$150.00	\$15,000.00
Miscellaneous workshops	13	\$150.00	\$1,950.00
National energy meetings	6	\$750.00	\$4,500.00
Presentations/conferences	18	\$500.00	\$9,000.00
Conduct meetings/workshops on energy programs	15	\$150.00	\$2,250.00
Attend training on residential and commercial codes	3	\$500.00	\$1,500.00
Attend NASEO meetings 1-2 persons	6	\$1,825.00	\$10,950.00

Attend Renewable Energy Meetings	6	\$150.00	\$900.00
Attend events, workshops and other activities conducted by subgrantees	18	\$150.00	\$2,700.00
Attend regional training	6	\$1,875.00	\$11,250.00
		Travel Total	\$60,000.00

b. Basis for computation of travel expenses (e.g., current airline quotes, past trips, federal or organization travel policy, etc.):

Budget includes in and out-of-state travel. Destinations are undetermined at this time. Estimates will vary greatly depending on mode of transportation required. Estimate is based on past trips. State procedures are observed concerning reimbursement. ADECA policies and procedures are observed. Cost includes per diem rate of \$75 per day for in-state travel. Out-of-state travel reimbursement is based on actual expenses within policies and procedures. Current airline ticket quotes.

4. **EQUIPMENT** - As defined in 10 CFR 660.202. Definitions are at http://www.access.gpo.gov/nara/cfr/waisidx_00/10cf

a. Basis of cost estimates (e.g., vendor quotes, prior purchases of similar or like items, etc.):

b. Equipment to be purchased and justification of need:

<u>Equipment</u>	<u>Unit Cost</u>	<u>Number</u>	<u>Total Cost</u>	<u>Justification of Need</u>
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5. **MATERIALS AND SUPPLIES** - As defined in 10 CFR 660.202.

a. Basis cost estimates (e.g., vendor quotes, prior purchases of like items, etc.):

Cost estimates are based on similar purchases, catalog prices and/or vendor quotes. The Energy Division observes the State of Alabama Competitive Bid Law. The ADECA Policies and Procedures Manual and federal regulations are also observed.

b. Supplies to be purchased and justification of need:

<u>General Category</u>	<u>Cost</u>	<u>Justification of Need</u>
Clerical and general office supplies	\$10,500.00	Paper, pens, files, file folders, file cabinets, document covers and binders, etc.
Logo printed folders/graphic materials	\$4,500.00	To provide handout materials at workshops, conferences and meetings/update program information for State Energy Office exhibit
Data processing supplies	\$10,500.00	To replace computers as needed; purchase printer supplies, memory upgrades, software, etc.
Subscriptions related to energy efficiency and renewable energy	\$2,037.00	Self-explanatory
Postage/freight charges	\$4,500.00	Self-explanatory
Materials and Supplies Total	\$32,037.00	

6. **CONTRACTS AND SUBGRANTS** - All other participant costs including subcontractor sub-grants, and consultants

For ongoing subcontractors and sub recipients described elsewhere in the application, document and item number is listed.

<u>Name of Proposed Sub</u>	<u>Total Cost</u>	<u>Basis of Cost*</u>
State Correctional Facilities Retrofits (1 subgrant - see Annual File)	\$20,965,000.00	Interagency agreement
Local Boards of Education (30 subgrants - see Annual File)	\$5,000,000.00	Competitive Request for Proposals
Revolving Loan Fund (1 subgrants- see Annual file)	\$25,000,000.00	Competitive Request for Proposals

Training Seminars on Building Energy Codes (1 subgrant - see Annual file)	\$200,000.00	Competitive Request for Proposals
Automotive Industrial Efficiency Program (1 subgrant - see Annual file)	\$600,000.00	Competitive Request for Proposals
High Performance Building Training Seminars (1 subgrant - see Annual file)	\$200,000.00	Competitive Request for Proposals
Home Energy Rating System (HERS) Training Seminars (1 subgrant - see Annual file)	\$50,000.00	Competitive Request for Proposals
Energy Audit Training Seminars (1 subgrant - see Annual file)	\$50,000.00	Competitive Request for Proposals
Contracts and Subgrants Total	\$52,065,000.00	

*For example, Competitive, Historical, Quote, Catalog

7. **OTHER DIRECT COSTS** - All direct costs not included in above categories

a. Basis for cost estimates (e.g., vendor quotes, prior purchase of similar items, etc.):

b. Other direct costs and justification of need:

General Description	Cost	Justification of Need
Organizational memberships	\$18,300.00	To remain informed and to maintain current knowledge of energy-related issues
Data processing services	\$30,000.00	Computer and office equipment maintenance and technical support; web site services
Printing and graphics services	\$15,000.00	Mass printing and copying services; graphic arts services
Other Direct Costs Total	\$63,300.00	

8. **INDIRECT COSTS**

a. Are the indirect cost rates approved by a Federal agency? If so, identify the agency and date of latest rate agreement or audit and provide a copy of the rate agreement.
 Final rate of 4.29 percent. The U.S. Department of Labor is the cognizant agency. A PDF copy of the latest approved rate agreement with the U.S. Department of Labor, dated May 15, 2009 was supplied to the Federal Project Officer on June 18, 2009.

Total \$2,285,888

b. If the above does not apply, indicate the basis for computation of rates, including the types of benefits to be provided, the rate(s) used, and the cost base for each rate. You may provide the information below or provide the calculations separately.

The name and phone number of the individual responsible for negotiating the State's indirect cost rates.

Name: Tammy Rolling

Phone Number: (334)242-5667

Federal Assistance Budget Information

OMB Burden Disclosure Statement

Public reporting burden for this collection of information is estimated to average 1.87 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Office of Information Resources Management Policy, Plans and Oversight, Records Management Division, HR-422 - GTN, Paperwork Reduction Project (1910-0400), U.S. Department of Energy, 1000 Independence Avenue, S.W., Washington, DC 20585; and to the Office of Management and Budget (OMB), Paperwork Reduction Project (1910-0400), Washington, DC 20503.

1. Program/Project Identification No. Amendment number:	EE00224 A000	2. Program/Project Title State Energy Program
3. Name and Address	Alabama Dept. of Econ. and Com P.O. Box 5690 Montgomery AL 36103-5690	4. Program/Project Start Date 04/21/2009
		5. Completion Date 04/30/2012

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Federal Catalog No. (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. DOE	81.041	\$ 0.00		\$ 55,570,000.00		\$ 55,570,000.00
2. GRANTEE			\$ 0.00		\$ 0.00	\$ 0.00
3.						
4.						
5. TOTALS		\$ 0.00	\$ 0.00	\$ 55,570,000.00	\$ 0.00	\$ 55,570,000.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	Grant Program, Function or Activity				Total (5)
	(1)	DOE	(2)	(3)	
a. Personnel		\$ 753,686.00			\$ 753,686.00
b. Fringe Benefits		\$ 310,089.00			\$ 310,089.00
c. Travel		\$ 60,000.00			\$ 60,000.00
d. Equipment		\$ 0.00			\$ 0.00
e. Supplies		\$ 32,037.00			\$ 32,037.00
f. Contractual		\$ 52,065,000.00			\$ 52,065,000.00
g. Construction		\$ 0.00			\$ 0.00
h. Other		\$ 63,300.00			\$ 63,300.00
i. Total Direct Charges		\$ 53,284,112.00			\$ 53,284,112.00
j. Indirect Charges		\$ 2,285,888.00			\$ 2,285,888.00
k. Totals		\$ 55,570,000.00			\$ 55,570,000.00
7. Program Income		\$ 0.00			\$ 0.00

BUDGET INFORMATION - Non-Construction Programs

1. Program/Project Identification No. Amendment number:	EE00224 A000	2. Program/Project Title State Energy Program
3. Name and Address	Alabama Dept. of Econ. and Com P.O. Box 5690 Montgomery AL 36103-5690	4. Program/Project Start Date 04/21/2009
		5. Completion Date 04/30/2012

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Federal Catalog No. (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. DOE	81.041	\$ 0.00		\$ 55,570,000.00		\$ 55,570,000.00
2. GRANTEE			\$ 0.00		\$ 0.00	\$ 0.00
3.						
4.						
5. TOTALS		\$ 0.00	\$ 0.00	\$ 55,570,000.00	\$ 0.00	\$ 55,570,000.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	Grant Program, Function or Activity				Total (5)
	(1)	DOE	(2)	(3)	
a. Personnel		\$ 753,686.00			\$ 753,686.00
b. Fringe Benefits		\$ 310,089.00			\$ 310,089.00
c. Travel		\$ 60,000.00			\$ 60,000.00
d. Equipment		\$ 0.00			\$ 0.00
e. Supplies		\$ 32,037.00			\$ 32,037.00
f. Contractual		\$ 52,065,000.00			\$ 52,065,000.00
g. Construction		\$ 0.00			\$ 0.00
h. Other		\$ 63,300.00			\$ 63,300.00
i. Total Direct Charges		\$ 53,284,112.00			\$ 53,284,112.00
j. Indirect Charges		\$ 2,285,888.00			\$ 2,285,888.00
k. Totals		\$ 55,570,000.00			\$ 55,570,000.00
7. Program Income		\$ 0.00			\$ 0.00

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Automotive Industrial Efficiency Program

1. Market (choose one):

<input type="checkbox"/> Buildings	<input checked="" type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2009

Date Start: 04/21/2009 Date End: 04/30/2012

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input type="checkbox"/> Procurement of efficient products **
<input type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input checked="" type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input type="checkbox"/> Energy building codes	<input checked="" type="checkbox"/> Manufacturing	<input type="checkbox"/> Water systems
<input type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 322,580.00 MBtus

6. Description (executive summary of goals and objectives)* :

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U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Automotive Industrial Efficiency Program

The Energy Division will target the automotive supplier industry in the state to receive assistance to stabilize employment, reduce costs, improve processes and reduce energy consumption. The state proposes to provide for the rapid deployment of approximately forty continuous improvement or "Kaizen" events focused on lean manufacturing/clean energy that will directly impact one third of the 120 first-tier automotive manufacturing suppliers in the state. Industry experts estimate that approximately 2,000 of the 6,000 workers employed by these identified employers are immediately at risk of losing their jobs due to the current economic climate. This program will identify and implement specific savings opportunities that will reduce energy demand, carbon output, and waste stream output. As a result, profitability and competitiveness will improve and industry employment will stabilize through reduced layoffs and hopefully call backs of furloughed and laid-off workers.

The goals and objectives of this activity are to improve energy efficiency. To meet the nation's energy needs, there are two options: create more sources of power or use less. The lean and clean activities focus on the later. Lean manufacturing focuses on reducing the energy intensity on a per unit basis by identifying and reducing wastes in processes. As bottlenecks are eliminated and throughput is increased, the energy per unit decreases, (i.e. producing more units with roughly the same amount of energy). The clean portion focuses on the resources used (e.g. raw materials and energy) and the waste streams generated in processes. Through training and mapping activities, the processes that consume the most resources and generate the most waste will be identified and targeted for improvement. Energy training in industry best practices is included to rapidly disseminate energy saving measures to industry. In addition to identifying opportunities to improve energy efficiency, this activity will include implementation of ideas. The continuous improvement activities or "kaizen" events will be weeklong events where improvement ideas are immediately implemented by team members giving companies instant energy reduction. Items that cannot be implemented immediately will be managed on a project basis by companies.

An example of lean and clean improvements:

Take a heated chemical dip tank as a bottleneck in a process. Lean improvements would include speeding up the dipping process by reducing change over times, identifying and performing proper maintenance on the material handling equipment and tank, and creating standardized work on the best method for operation the equipment. These improvements could improve the throughput of the operation dramatically. If the demand stays the same, the amount of time the equipment has to operate can be reduced. The clean portion would probe into the chemical being used, how much is used, how much is wasted, how many parts can be dipped before it must be changed out, what alternatives are there to this chemical, can we eliminate this chemical, is this process even necessary, does the chemical have to be heated, what is the correct operational temperature of the equipment, are there alternate methods for heating the chemical, how many hours does it operate, is it left running when not being used, etc... Best practices would include proper pump maintenance on the tank, and installing insulation on the tank to prevent heat from radiating away, determining the proper illumination needed in the work area and determining the least energy intensive method of providing it, sequencing of startup of equipment to avoid peak demands. Most of these improvements can be implemented in a week's time. Finding an alternative chemical might be a longer process and can be managed on a project basis. These combined activities

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Automotive Industrial Efficiency Program

will reduce the energy demand, reduce the carbon footprint, and reduce the amount of waste output of the participant companies.

Implementation of this program will require the Energy Division to enter into a subgrant agreement with a third party entity to conduct lean/clean continuous improvement events. Selection of the subgrantee will be made through a competitive process consistent with Department of Energy requirements for ARRA SEP funds.

7. Program Year Milestones* :

	Milestone	Planned (Number)
1	Identify participants for Kaizen events	40
2	Conduct Kaizen events at identified automotive industry suppliers	40
3	Prepare critical annual reporting metrics for ARRA Annual Reports	3
4	Prepare program specific metrics for quarterly ARRA Performance Progress Reports	12
5	Prepare quarterly Program Status Reports (PSRs)	12
6	Prepare Final Narrative Report	1
7	Prepare Annual Energy Savings Report	3

8. Standard metrics (required)**

JOB METRICS		Planned
Job Creation		
Jobs created through Recovery Act funds		
Jobs created		2,007
Obligations		
Recovery Act funds encumbered		
Funds encumbered		0

9. Specific metric activity (required)**

SPECIFIC METRICS		Planned
Industrial Process Efficiency		
Reduction in natural gas consumption		
Reduction in natural gas consumption		1,952
Industrial Process Efficiency		
Reduction in electricity consumption		
Reduction in electricity consumption		1,279

10. User specified metrics (optional)*

METRICS		Planned

DOE F 540.1
(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Automotive Industrial Efficiency Program

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
DOE	\$600,000.00
Market Budget Total	\$600,000.00
b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Energy Audit Training Seminars

1. Market (choose one):

<input checked="" type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2009

Date Start: 04/21/2009 Date End: 04/30/2012

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input type="checkbox"/> Procurement of efficient products **
<input type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input checked="" type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input checked="" type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input checked="" type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input type="checkbox"/> Water systems
<input type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 49,195.00 MBtus

6. Description (executive summary of goals and objectives)* :

DOE F 540.1
(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET
(Grant Number: EE00224)

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

Market Title: Energy Audit Training Seminars

Energy Audit Seminars will provide training and training materials for individuals including engineers, architects, subcontractors, builders and other individuals interested in becoming certified to offer residential and commercial energy audits. This training is not to provide certification for Home Energy Rating System (HERS) raters. Upon completion, certified auditors will be able to perform a full energy audit of building envelope and all systems including lighting, heating, ventilating and air conditioning (HVAC) equipment, heat recovery, load management, and energy management. Certification will be obtained in either residential energy auditing, commercial energy auditing or both by trainees. Training sessions will be held throughout the state to ensure geographical distribution. The entity conducting the seminars will solicit participants, obtain training locations, provide Continuing Education credits, and official certification documents for each training session. Both residential and commercial energy auditors are needed in the state to assist homeowners, business owners, local governments and schools in making sound decisions on energy conservation measures based on data gathered through audits.

This program will require the Energy Division to enter into a subgrant agreement with a third party entity to provide training for conducting building energy audits. The subgrantee will be selected through a competitive process consistent with Department of Energy requirements for ARRA SEP funds. Projects will be evaluated based, in part, on potential for job creation/retention, energy savings, renewable energy generation capacity, emissions reductions, cost savings, and sustainability. Proposers will be required to demonstrate their qualifications to provide the specified training and list related training performed within the past 12 months.

7. Program Year Milestones* :

	Milestone	Planned (Number)
1	Submit training materials and presentations for both residential and commercial energy audit training courses for review and approval	2
2	Solicit participants for residential and commercial training courses through professional associations, boards and other affiliations	10
3	Conduct training workshops and provide all training and testing materials so that at course completion the attendee will have the knowledge and skills to perform energy audits for commercial buildings, residential buildings or both.	10
4	Provide proper certification documents for attendees completing the residential energy auditing course and passing a written test qualifying them to perform residential energy audits.	1
5	Provide proper certification documents for attendees completing the commercial energy auditing course and passing a written test qualifying them to perform commercial energy audits.	1
6	Prepare critical annual reporting metrics for ARRA Annual Reports	3
7	Prepare program specific metrics for quarterly ARRA Performance Progress Reports	12
8	Prepare quarterly Program Status Reports (PSRs)	12
9	Prepare Final Narrative Report	1
10	Prepare Annual Energy Savings Report	3
11	Identify and secure training locations for both residential and commercial energy audit training throughout the state to reach the largest audience possible	10

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Energy Audit Training Seminars

8. Standard metrics (required)**

JOB METRICS		Planned
Job Creation		
Jobs created through Recovery Act funds		
Jobs created		1
Obligations		
Recovery Act funds encumbered		
Funds encumbered		0

9. Specific metric activity (required)**

SPECIFIC METRICS		Planned
Workshops, Training, and Education		
Workshops, training, and education sessions, by sector		
Number of workshops, training, and education sessions held (Commercial)		5
Number of workshops, training, and education sessions held (Residential)		5
Number of people attending (Commercial)		100
Number of people attending (Residential)		100

10. User specified metrics (optional)*

METRICS		Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
DOE	\$50,000.00
Market Budget Total	\$50,000.00
b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

U.S. Department of Energy STATE ENERGY PROGRAM (SEP) NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Energy Retrofits of State Correctional Facilities

1. Market (choose one):

<input checked="" type="checkbox"/> Buildings <input type="checkbox"/> Electric Power and Renewable Energy <input type="checkbox"/> Energy Education	<input type="checkbox"/> Industry <input type="checkbox"/> Policy, Planning and Energy Security <input type="checkbox"/> Transportation
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2. State: AL

3. Program Year: 2009

Date Start: 04/21/2009 Date End: 04/30/2012

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture <input type="checkbox"/> Alternative Fuels <input type="checkbox"/> Appliance efficiency and standards <input type="checkbox"/> Bioenergy and biobased products <input checked="" type="checkbox"/> Biomass Power <input type="checkbox"/> Building America <input type="checkbox"/> Carpools, vanpools, and ridesharing <small>**</small> <input type="checkbox"/> Clean Cities <input type="checkbox"/> Climate change planning <input type="checkbox"/> Combined heat and power <input type="checkbox"/> Commercial buildings <input type="checkbox"/> Curriculum development <input type="checkbox"/> Demand reduction <input checked="" type="checkbox"/> Distributed energy generation <input type="checkbox"/> Energy and environment <input type="checkbox"/> Energy building codes <input type="checkbox"/> Energy consumption and price statistics <input type="checkbox"/> Energy emergency planning <input type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Federal Energy Management Program <input checked="" type="checkbox"/> Federal, state and local facilities <input type="checkbox"/> Financing energy programs <input type="checkbox"/> Fuel cells <input type="checkbox"/> General energy efficiency for industry <input checked="" type="checkbox"/> Geothermal <input type="checkbox"/> Green power programs <input type="checkbox"/> Heavy vehicles and trucks <input type="checkbox"/> Home energy ratings <input type="checkbox"/> Hydrogen <input type="checkbox"/> Hydropower <input type="checkbox"/> Industrial processing <input type="checkbox"/> Industries of the future <input type="checkbox"/> Lighting ** <input type="checkbox"/> Low-income Weatherization <input type="checkbox"/> Manufacturing <input type="checkbox"/> Motors and other industrial systems <input checked="" type="checkbox"/> Performance contracting <input type="checkbox"/> Policy and energy legislation	<input type="checkbox"/> Procurement of efficient products ** <input type="checkbox"/> Public information <input type="checkbox"/> Rating and labeling <input type="checkbox"/> Rebuild America <input type="checkbox"/> Residential buildings <input type="checkbox"/> Right turn on red ** <input type="checkbox"/> Schools <input checked="" type="checkbox"/> Solar power <input type="checkbox"/> State energy strategic plans <input type="checkbox"/> Telecommuting <input type="checkbox"/> Thermal ** <input type="checkbox"/> Traffic signals <input type="checkbox"/> Transmission and infrastructure reliability <input type="checkbox"/> Transportation alternatives <input type="checkbox"/> Waste management and recycling <input type="checkbox"/> Water systems <input type="checkbox"/> Wind energy
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5. Estimated Annual Energy Savings : 630,000.00 MBtus

6. Description (executive summary of goals and objectives)* :

DOE F 540.1
(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Energy Retrofits of State Correctional Facilities

The Energy Division will provide funds to reduce energy consumption and energy costs in Alabama correctional facilities through improved energy efficiency and the employment of renewable energy technology applications to save energy costs. In addition, retrofit project activities will provide for both direct and indirect employment opportunities. Also as a result, Alabama Department of Corrections (ADOC) utility budgets will be reduced allowing savings to be utilized to avert employee furloughs or layoffs due to mandated State General Fund budget reductions. The retrofit program will be used to implement eligible efficiency and renewable measures identified through investment-grade audits. Specific retrofit projects will be evaluated based, in part, on their potential for job creation/retention, energy savings, renewable energy generation capacity, emissions reductions, cost savings, and sustainability. These funds will be leveraged through Performance Contracting currently under development.

Implementation of the Performance Contract will significantly improve the overall impact of this funding. Boilers will be replaced, repaired or converted to biomass; geothermal (ground coupled) heat pumps will replace air source heat pumps or gas furnaces; lighting will be upgraded with controls and more efficient technologies; HVAC equipment will be upgraded with controls, variable frequency drives, steam traps and high efficiency motors; chiller controls will be upgraded; laundry systems will be converted to ozone systems; solar water heating systems will be installed in multiple locations; infrared gas heat will be installed at one facility; and biodiesel production will be installed at multiple locations.

By using the renewable energy biomass systems in a distributed energy situation, renewable energy is produced that displaces both electricity (from coal) and heat from natural gas. Over one megawatt of power will be generated from biomass displacing the coal consumed for the production of electricity. The heat that is produced as a by product of the electricity production will be utilized at each location to displace natural gas purchased for thermal needs. This approach will also produce multiple benefits beyond energy and provide many opportunities to further the application of this technology to improve the distributed energy system in Alabama.

Additionally, inmates will have training opportunities to learn the effective operation of renewable energy systems. Inmates leaving the facility to participate in a work release program will have the experience to help these other facilities adopt these same technologies.

As the second most costly utility to ADOC, water waste will also be addressed. Reducing all utility waste while generating electricity and thermal energy simultaneously will put the ADOC in a much better operating position for many years into the future.

This program will require the Energy Division to enter into an interagency agreement with Alabama Department of Corrections to implement retrofit projects in 30 facilities. Projects will be evaluated based, in part, on potential for job creation/retention, energy savings, renewable energy generation capacity, emissions reductions, cost savings, and sustainability.

DOE F 540.1
(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Energy Retrofits of State Correctional Facilities

7. Program Year Milestones* :

	Milestone	Planned (Number)
1	Evaluation of Investment-Grade energy audits	30
2	Evaluation, selection and approval of individual retrofit projects	30
3	Prepare critical annual reporting metrics for ARRA Annual Reports	3
4	Prepare program specific metrics for quarterly ARRA Performance Progress Reports	12
5	Prepare quarterly Program Status Reports (PSRs)	12
6	Prepare Final Narrative Report	1
7	Prepare Annual Energy Savings Reports	3
8	Training inmates in the operation of renewable energy generator systems (ongoing quarterly activity)	4
9	Replacing fossil fueled emergency generators with renewable energy units	15
10	Promoting renewable energy systems to other state agencies (ongoing quarterly activity)	4

8. Standard metrics (required)**

	Planned
JOB METRICS	
Job Creation	
Jobs created through Recovery Act funds	
Jobs created	228
Obligations	
Recovery Act funds encumbered	
Funds encumbered	0

9. Specific metric activity (required)**

	Planned
SPECIFIC METRICS	
Building Retrofits	
Buildings retrofitted, by sector	
Buildings retrofitted (Other)	30
Square footage retrofitted (Other)	2,780,876

10. User specified metrics (optional)*

	Planned
METRICS	

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
DOE	\$20,965,000.00
Market Budget Total	\$20,965,000.00
b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

U.S. Department of Energy STATE ENERGY PROGRAM (SEP) NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Energy Revolving Loan Program

1. Market (choose one):

<input type="checkbox"/> Buildings <input checked="" type="checkbox"/> Electric Power and Renewable Energy <input type="checkbox"/> Energy Education	<input type="checkbox"/> Industry <input type="checkbox"/> Policy, Planning and Energy Security <input type="checkbox"/> Transportation
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2. State: AL

3. Program Year: 2009

Date Start: 04/21/2009 Date End: 04/30/2012

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture <input checked="" type="checkbox"/> Alternative Fuels <input type="checkbox"/> Appliance efficiency and standards <input type="checkbox"/> Bioenergy and biobased products <input checked="" type="checkbox"/> Biomass Power <input type="checkbox"/> Building America <input type="checkbox"/> Carpools, vanpools, and ridesharing ** <input type="checkbox"/> Clean Cities <input type="checkbox"/> Climate change planning <input checked="" type="checkbox"/> Combined heat and power <input checked="" type="checkbox"/> Commercial buildings <input type="checkbox"/> Curriculum development <input type="checkbox"/> Demand reduction <input type="checkbox"/> Distributed energy generation <input type="checkbox"/> Energy and environment <input type="checkbox"/> Energy building codes <input type="checkbox"/> Energy consumption and price statistics <input type="checkbox"/> Energy emergency planning <input type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Federal Energy Management Program <input type="checkbox"/> Federal, state and local facilities <input checked="" type="checkbox"/> Financing energy programs <input checked="" type="checkbox"/> Fuel cells <input checked="" type="checkbox"/> General energy efficiency for industry <input checked="" type="checkbox"/> Geothermal <input type="checkbox"/> Green power programs <input type="checkbox"/> Heavy vehicles and trucks <input type="checkbox"/> Home energy ratings <input type="checkbox"/> Hydrogen <input checked="" type="checkbox"/> Hydropower <input type="checkbox"/> Industrial processing <input type="checkbox"/> Industries of the future <input checked="" type="checkbox"/> Lighting ** <input type="checkbox"/> Low-income Weatherization <input type="checkbox"/> Manufacturing <input checked="" type="checkbox"/> Motors and other industrial systems <input type="checkbox"/> Performance contracting <input type="checkbox"/> Policy and energy legislation	<input type="checkbox"/> Procurement of efficient products ** <input type="checkbox"/> Public information <input type="checkbox"/> Rating and labeling <input type="checkbox"/> Rebuild America <input type="checkbox"/> Residential buildings <input type="checkbox"/> Right turn on red ** <input type="checkbox"/> Schools <input checked="" type="checkbox"/> Solar power <input type="checkbox"/> State energy strategic plans <input type="checkbox"/> Telecommuting <input type="checkbox"/> Thermal ** <input type="checkbox"/> Traffic signals <input type="checkbox"/> Transmission and infrastructure reliability <input type="checkbox"/> Transportation alternatives <input type="checkbox"/> Waste management and recycling <input type="checkbox"/> Water systems <input type="checkbox"/> Wind energy
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5. Estimated Annual Energy Savings : 410,000.00 MBtus

6. Description (executive summary of goals and objectives)* :

DOE F 540.1
(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Energy Revolving Loan Program

A new Energy Revolving Loan Fund will be developed to stimulate the creation and/or retention of jobs, improve energy efficiency and increase the generation of renewable energy by providing low interest rate loans for the installation of renewable energy systems and the implementation of energy efficiency measures for new and existing industries in Alabama. Allowable expenditures for loan funds will include equipment and equipment installation labor costs for renewable energy systems and energy-efficient fixtures and retrofits installed on property owned by the loan applicant. Eligible renewable energy systems may employ solar, biomass, biofuels, geothermal, micro-hydroelectric, methane capture and use, and/or fuel cell technologies. Eligible energy efficient fixtures and retrofits may include, but will not be limited to, mechanical systems and components including HVAC and hot water, electrical systems and components including lighting and energy management systems, doors and windows, insulation, refrigeration, and combined heat and power. The target audience for the loan program will be new and existing industries located in Alabama. The Revolving Loan Fund will extend the scope of federal recovery funds and ensure that these funds continue to support the state's commitment to energy efficiency and renewable energy well into the future by providing an ongoing source of revenue to implement energy efficiency measures and continue the expansion of renewable energy in the state.

This program will require the Energy Division to enter into a subgrant agreement with an experienced and qualified third party entity to develop and administer the program, provide loans for energy efficiency projects and promote the Energy Revolving Loan Program. This entity, which will serve as the RLF administrator, will be selected through a competitive process consistent with Alabama Law and DOE requirements for ARRA SEP funds. This entity will be paid an administrative charge resulting from each loan project on a percentage basis.

All loan applications will be reviewed by the contracting entity and by the Energy Division. Loan applicant projects will be evaluated based, in part, on potential for job creation/retention, energy savings, renewable energy generation capacity, emissions reductions, cost savings, and sustainability. Loan applicants will be required to complete a NEPA form for proposed projects. It is anticipated that the interest rate will be initially set at two percent. Loan terms will be for a maximum of 10 years. The maximum amount that can be borrowed will be \$4,000,000 and the minimum amount that can be borrowed will be \$250,000. Loan funds can be used for up to 100 percent of total eligible project costs.

The RLF administrator will obtain adequate and appropriate financial security from borrowers and protect the interests of the revolving loan fund. Appropriate credit underwriting procedures will be developed and utilized to ensure the credit worthiness of loan applicants. All loans will be properly secured and will require an irrevocable letter of credit. The administrator will determine, on a case-by-case basis, whether a lien on the property is appropriate collateral. Other collateral may include security interests in equipment and accounts. All loans will be monitored by the RLF administrator and by the Energy Division.

DOE F 540.1
(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Energy Revolving Loan Program

7. Program Year Milestones* :

	Milestone	Planned (Number)
1	Review loan applications	25
2	Perform program marketing and outreach (ongoing quarterly activity)	12
3	Provide loans for qualifying projects	20
4	Prepare program specific metrics for quarterly ARRA Performance Progress Reports	12
5	Prepare quarterly Program Status Reports (PSRs)	12
6	Prepare Final Narrative Report	1
7	Prepare Annual Energy Savings Reports	3
8	Prepare critical annual reporting metrics for ARRA Annual Reports	3
9	Develop request for proposals for loan fund administrative services	1
10	Evaluate administrative service provider proposals	3
11	Prepare administrative service provider grant package	1
12	Execute grant for administrative services	1
13	Work with loan administrator to determine loan program parameters	1
14	Monitor outstanding loan projects	20

8. Standard metrics (required)**

JOB METRICS	Planned
Job Creation	
Jobs created through Recovery Act funds	
Jobs created	272
Obligations	
Recovery Act funds encumbered	
Funds encumbered	0

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Loans and Grants	
Loans given	
Number of loans	20
Total monetary value of loans	25,000,000

10. User specified metrics (optional)*

METRICS	Planned

11. Program Year Funds by Source*

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET
(Grant Number: EE00224)**

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

Market Title: Energy Revolving Loan Program

a. SEP Grant (all funds in the approved budget)	
DOE	\$25,000,000.00
Market Budget Total	\$25,000,000.00
b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Energy-Efficient Retrofits of Schools

1. Market (choose one):

<input checked="" type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2009

Date Start: 04/21/2009 Date End: 04/30/2012

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input type="checkbox"/> Procurement of efficient products **
<input type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input checked="" type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input checked="" type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input checked="" type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input checked="" type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input type="checkbox"/> Water systems
<input type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 152,064.00 MBtus

6. Description (executive summary of goals and objectives)* :

DOE F 540.1
(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Energy-Efficient Retrofits of Schools

The Energy Division has funded the Energy-Efficient Retrofits of Schools Program since 2006. The program has shown great success through the reduction of energy expenditures in K-12 schools located in favored geographic areas of Alabama. The SEP-ARRA expansion of this program will make retrofit funds available to school districts statewide and eligibility will be based on economic needs criteria established by the Division. In addition to energy-related benefits, the program assists Alabama's schools provide a better education by creating an improved learning environment for the students. The program will assist in the purchase and installation of energy-efficient equipment and materials for an estimated 30 school districts with a minimum of 60 percent of students eligible for free or reduced lunches. Potential energy saving projects for school buildings may include, but are not limited to: retrofits to lighting, HVAC, insulation, building envelope sealing and improvements, and exterior door and window replacement. The measures will increase energy efficiency, assist in the creation and retention of jobs through the reduction of energy expenditures, reduce greenhouse gas emissions, and increase the use of renewable energy in Alabama by installing geothermal heat pumps and photovoltaic systems.

Program participants will be selected through a competitive process consistent with Department of Energy requirements for ARRA SEP funds. The applicant projects will be evaluated based, in part, on potential for job creation/retention, energy savings, renewable energy generation capacity, emissions reductions, and cost savings.

7. Program Year Milestones* :

	Milestone	Planned (Number)
1	Retrofit eligible school districts	30
2	Prepare critical annual reporting metrics for ARRA Annual Reports	90
3	Prepare program specific metrics for quarterly ARRA Performance Progress Reports	360
4	Prepare quarterly Program Status Reports (PSRs)	360
5	Prepare Final Narrative Report	30
6	Prepare Annual Energy Savings Report	90
7	Replace HVAC units with energy-efficient units	200
8	Install geothermal heat pump units in eligible schools	2
9	Install photovoltaic systems in eligible schools	2

8. Standard metrics (required)**

	Planned
JOB METRICS	
Job Creation	
Jobs created through Recovery Act funds	
Jobs created	54
Obligations	
Recovery Act funds encumbered	
Funds encumbered	0

9. Specific metric activity (required)**

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Energy-Efficient Retrofits of Schools

SPECIFIC METRICS	Planned
Government, School, Institutional Procurement	
Units purchased, by type	
Units purchased (HVAC equipment)	200

10. User specified metrics (optional)*

METRICS	Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
DOE	\$5,000,000.00
Market Budget Total	\$5,000,000.00
b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: High Performance Building Training Seminars

1. Market (choose one):

<input checked="" type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2009

Date Start: 04/21/2009 Date End: 04/30/2012

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input type="checkbox"/> Procurement of efficient products **
<input type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input checked="" type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input type="checkbox"/> Water systems
<input type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 49,195.00 MBtus

6. Description (executive summary of goals and objectives)* :

DOE F 540.1
(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: High Performance Building Training Seminars

High Performance Building seminars will provide training for architects, engineers, contractors and owners in properly designing, constructing, commissioning and operating a high-performance building. The long-term goal of this training is to make changes in the way buildings are sited, oriented, designed, built, operated, maintained and renovated to reduce the lifetime costs of state-funded and private commercial buildings while improving their environmental performance and increasing the productivity of the people in them. Several training sessions will be held throughout the state to ensure geographical distribution. The entity conducting the seminars will solicit students, obtain training locations, provide Continuing Education credits, and official certification documents for each training session. Although the training does not require adhering to a specific program such as LEED, or Green Globe, the following topics will be covered in the program:

- ASHRAE 90.1-2007: the definition of a High Performance Building.
- High Performance for existing buildings.
- Designing for a commissionable High Performance Building.
- Evaluating the performance of the High Performance Building while in warranty period.
- Budgeting for maintenance of a High Performance Building.
- Training for maintenance of a High Performance Building.
- Evaluating the long term performance of the building.
- Assigning responsibilities for building performance.

This program will require the Energy Division to enter into a subgrant agreement with a third party entity to provide training for the design, construction, commissioning and operation of high performance buildings. Program participants will be selected through a competitive process consistent with Department of Energy requirements for ARRA SEP funds. Projects will be evaluated based, in part, on potential for job creation/retention, energy savings, renewable energy generation capacity, emissions reductions, cost savings, and sustainability. Proposers will be required to demonstrate their qualifications to provide the specified training and list related training performed within the past 12 months.

DOE F 540.1
(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: High Performance Building Training Seminars

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Develop training seminar and presentation to reach design professionals, contractors and facilities managers with information on the specifics and advantages of designing, constructing and operating a high-performance building.	1
2	Develop a presentation for commercial building owners and state agency representatives presenting the benefits and savings achieved with a designed and constructed high-performance building	1
3	Identify and secure training locations throughout the state to reach the largest possible audience.	10
4	Solicit participants for seminars through various professional associations, boards and other affiliations.	10
5	Conduct seminars for targeted groups throughout state and provide any certifications necessary for continuing education credits	10
6	Prepare program specific metrics for quarterly ARRA Performance Progress Reports	12
7	Prepare quarterly Program Status Reports (PSRs)	12
8	Prepare Final Narrative Report	1
9	Prepare Annual Energy Savings Report	3
10	Prepare critical annual reporting metrics for ARRA Annual Reports	3

8. Standard metrics (required)**

JOB METRICS		Planned
Job Creation		
Jobs created through Recovery Act funds		
Jobs created		2
Obligations		
Recovery Act funds encumbered		
Funds encumbered		0

9. Specific metric activity (required)**

SPECIFIC METRICS		Planned
Workshops, Training, and Education		
Workshops, training, and education sessions, by sector		
Number of workshops, training, and education sessions held (Commercial)		10
Number of people attending (Commercial)		200

10. User specified metrics (optional)*

METRICS		Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
DOE	\$200,000.00
Market Budget Total	\$200,000.00

DOE F 540.1
(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: High Performance Building Training Seminars

b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

U.S. Department of Energy STATE ENERGY PROGRAM (SEP) NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Home Energy Rating System (HERS) Training Seminars

1. Market (choose one):

<input checked="" type="checkbox"/> Buildings <input type="checkbox"/> Electric Power and Renewable Energy <input type="checkbox"/> Energy Education	<input type="checkbox"/> Industry <input type="checkbox"/> Policy, Planning and Energy Security <input type="checkbox"/> Transportation
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2. State: AL

3. Program Year: 2009

Date Start: 04/21/2009 Date End: 04/30/2012

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture <input type="checkbox"/> Alternative Fuels <input type="checkbox"/> Appliance efficiency and standards <input type="checkbox"/> Bioenergy and biobased products <input type="checkbox"/> Biomass Power <input type="checkbox"/> Building America <input type="checkbox"/> Carpools, vanpools, and ridesharing <small>**</small> <input type="checkbox"/> Clean Cities <input type="checkbox"/> Climate change planning <input type="checkbox"/> Combined heat and power <input type="checkbox"/> Commercial buildings <input type="checkbox"/> Curriculum development <input type="checkbox"/> Demand reduction <input type="checkbox"/> Distributed energy generation <input type="checkbox"/> Energy and environment <input type="checkbox"/> Energy building codes <input type="checkbox"/> Energy consumption and price statistics <input type="checkbox"/> Energy emergency planning <input checked="" type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Federal Energy Management Program <input type="checkbox"/> Federal, state and local facilities <input type="checkbox"/> Financing energy programs <input type="checkbox"/> Fuel cells <input type="checkbox"/> General energy efficiency for industry <input type="checkbox"/> Geothermal <input type="checkbox"/> Green power programs <input type="checkbox"/> Heavy vehicles and trucks <input type="checkbox"/> Home energy ratings <input type="checkbox"/> Hydrogen <input type="checkbox"/> Hydropower <input type="checkbox"/> Industrial processing <input type="checkbox"/> Industries of the future <input type="checkbox"/> Lighting ** <input type="checkbox"/> Low-income Weatherization <input type="checkbox"/> Manufacturing <input type="checkbox"/> Motors and other industrial systems <input type="checkbox"/> Performance contracting <input type="checkbox"/> Policy and energy legislation	<input type="checkbox"/> Procurement of efficient products ** <input type="checkbox"/> Public information <input checked="" type="checkbox"/> Rating and labeling <input type="checkbox"/> Rebuild America <input checked="" type="checkbox"/> Residential buildings <input type="checkbox"/> Right turn on red ** <input type="checkbox"/> Schools <input type="checkbox"/> Solar power <input type="checkbox"/> State energy strategic plans <input type="checkbox"/> Telecommuting <input type="checkbox"/> Thermal ** <input type="checkbox"/> Traffic signals <input type="checkbox"/> Transmission and infrastructure reliability <input type="checkbox"/> Transportation alternatives <input type="checkbox"/> Waste management and recycling <input type="checkbox"/> Water systems <input type="checkbox"/> Wind energy
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5. Estimated Annual Energy Savings : 12,299.00 MBtus

6. Description (executive summary of goals and objectives)* :

DOE F 540.1
(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Home Energy Rating System (HERS) Training Seminars

With rising energy costs and the increased demand for homes that are more energy-efficient, the need for certified HERS raters will only increase. The Energy Division has previously offered HERS training for interested participants with great success. Additional seminars will enable those who were unable to attend the previous course the opportunity to participate in the training and become certified raters. HERS seminars will provide a minimum of two training courses for certification in RESNET's HERS program. The training courses will be held at the training provider's location, or other locations within the state of Alabama. Reimbursement will be provided for participants who pass the course and become fully certified before the end of the 3-year contract period.

This program will require the Energy Division to enter into a subgrant agreement with a third party entity to provide training for the Home Energy Rating System. Subgrantees will be selected through a competitive process consistent with Department of Energy requirements for ARRA SEP funds. Projects will be evaluated based, in part, on potential for job creation/retention, energy savings, renewable energy generation capacity, emissions reductions, cost savings, and sustainability. Proposers must be a certified RESNET HERS Training Provider or contract with a certified RESNET HERS Training Provider, and also demonstrate their qualifications to provide the specified training and list related training performed within the past 12 months.

7. Program Year Milestones* :

	Milestone	Planned (Number)
1	Conduct at least two HERS training courses with a minimum of 30 total participants	2
2	Solicit participants for training courses through professional associations related to home builders and trades.	2
3	Conduct HERS training seminars and provide certification test	2
4	Provide proper certification documents for qualifying students	2
5	Provide reimbursement of training fees for qualifying students	2
6	Prepare critical annual reporting metrics for ARRA Annual Reports	3
7	Prepare program specific metrics for quarterly ARRA Performance Progress Reports	12
8	Prepare quarterly Program Status Reports (PSRs)	12
9	Prepare Final Narrative Report	1
10	Prepare Annual Energy Savings Report	3

8. Standard metrics (required)**

JOB METRICS	Planned
Job Creation	
Jobs created through Recovery Act funds	
Jobs created	1
Obligations	
Recovery Act funds encumbered	
Funds encumbered	0

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Home Energy Rating System (HERS) Training Seminars

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Workshops, Training, and Education	
Workshops, training, and education sessions, by sector	
Number of workshops, training, and education sessions held (Residential)	2
Number of people attending (Residential)	50

10. User specified metrics (optional)*

METRICS	Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
DOE	\$50,000.00
Market Budget Total	\$50,000.00
b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Program Administration

1. Market (choose one):

<input type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input checked="" type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2009

Date Start: 04/21/2009 Date End: 04/30/2012

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input type="checkbox"/> Procurement of efficient products **
<input type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input checked="" type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input type="checkbox"/> Water systems
<input type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 0.00 MBtus

6. Description (executive summary of goals and objectives)* :

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Program Administration

ADECA's Energy Division has the sole responsibility of administering the American Recovery and Reinvestment Act (ARRA) funded State Energy Program (SEP) for the State of Alabama. The Energy Division will be issuing funding solicitations and awarding contracts, subgrants agreements to provide funding, technical support, monitoring, verification, and evaluation for SEP ARRA funded projects. The Energy Division has to ensure that the SEP programs are developed, implemented, and monitored to be consistent with the ARRA and SEP rules and regulations and the State of Alabama statutes. The Energy Division will ensure that proper reporting of program accomplishments and fiscal information is provided to the U.S. Department of Energy (DOE). The Energy Division provides programmatic support for staff to implement market activities and programs with staff salaries, fringe benefits, travel costs, office equipment, materials and supplies, and program contractual costs to meet the goals and objectives of SEP. Measurable savings will be attributed to individual topics involved in the overall program markets, all programs will be evaluated for effectiveness. To implement the programs with the SEP ARRA funding, the Energy Division has identified additional resource needs in terms of additional staff and travel expenses which are necessary to meet the requirements of the SEP ARRA funding.

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Hire additional Energy Division staff	3
2	Establish guidelines/parameters for programs	8
3	Develop and issue funding solicitation	1
4	Develop and execute funding agreements	37
5	Conduct subgrantee training session	1
6	Monitor subgrantee projects	100
7	Prepare and submit quarterly report notices to subgrantees	444
8	Distribute information on energy efficiency, renewable energy, and GHG reduction	2,000
9	Prepare closeout notices for subgrantees	37
10	Prepare and submit quarterly ARRA Performance Progress Reports to DOE	12
11	Prepare and submit ARRA Annual Reports to DOE with critical metrics	3

8. Standard metrics (required)**

JOB METRICS		Planned
Job Creation		
Jobs created through Recovery Act funds		
Jobs created		15
Obligations		
Recovery Act funds encumbered		
Funds encumbered		0

9. Specific metric activity (required)**

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET
(Grant Number: EE00224)**

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

Market Title: Program Administration

SPECIFIC METRICS	Planned
Technical Assistance	
Information contacts (e.g., webinars, site visits, media, fact sheet) in which energy efficiency or renewable energy measures	
Number of contacts (All sectors)	50

10. User specified metrics (optional)*

METRICS	Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
DOE	\$3,505,000.00
Market Budget Total	\$3,505,000.00
b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Training Seminars on Building Energy Codes

1. Market (choose one):

<input checked="" type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2009

Date Start: 04/21/2009 Date End: 04/30/2012

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input type="checkbox"/> Procurement of efficient products **
<input type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input checked="" type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input checked="" type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input checked="" type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input type="checkbox"/> Water systems
<input type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 172,182.00 MBtus

6. Description (executive summary of goals and objectives)* :

DOE F 540.1
(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Training Seminars on Building Energy Codes

Building Energy Code seminars will provide training for code officials, engineers, architects, building inspectors, residential and commercial builders, and subcontractors on the 2009 version of the International Energy Conservation Code (IECC) for residential construction and ANSI/ASHRAE/IESNA Standard 90.1-2007 for commercial construction. A more concise presentation will also be developed to provide advocacy for the adoption and enforcement of energy codes energy codes to local government policy makers and planners. The benefits of adopting and building to these energy code standards will be stressed in all presentations and reservations regarding adoption and enforcement will be addressed. Training sessions will be held throughout the state to ensure geographical distribution. The entity conducting the seminars will solicit participants, obtain training locations, provide Continuing Education credits, and provide official certification documents for each training session. The Energy Division will also utilize the training and advocacy services offered by the Building Codes Assistance Project (BCAP) to encourage code adoption. BCAP provides states with custom-tailored assistance on building energy code adoption and implementation, code advocacy and technical assistance on behalf of the U.S. Department of Energy. This proposed Program will support the Governor's effort to adopt more stringent energy codes and will provide various implementation and support services to the entire building community, and work aggressively to achieve compliance in the commercial and residential sectors. The Pacific Northwest National Laboratories (PNNL) is also in the process of developing several tools to assist states in measuring compliance for reporting purposes to DOE. The Energy Division will be utilizing these tools or other approved methodologies to ensure 90 percent compliance as required in the Recovery Act.

This program will require the Energy Division to enter into a subgrant agreement with a third party entity to provide training for building energy codes. The subgrantee will be selected through a competitive process consistent with Department of Energy requirements for ARRA SEP funds. Projects will be evaluated based, in part, on potential for job creation/retention, energy savings, renewable energy generation capacity, emissions reductions, cost savings, and sustainability. Proposers will be required to demonstrate their qualifications to provide the specified training and list related training performed within the past 12 months

DOE F 540.1
(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Training Seminars on Building Energy Codes

7. Program Year Milestones* :

	Milestone	Planned (Number)
1	Develop a residential training presentation for home builders and inspectors discussing the changes in the 2009 IECC and compliance requirements, and the beneficial impact adhering to this code will have on the state.	1
2	Develop a commercial training presentation for building professionals discussing the changes in ASHRAE Standard 90.1-2007 and compliance requirements, and the beneficial impact adhering to this code will have on the state.	1
3	Develop a presentation for Local Government Policy Makers and Planners emphasizing the many benefits of adopting and enforcing the 2009 IECC for residential buildings and ASHRAE Standard 90.1-2007 for commercial buildings, and the importance of working to	1
4	Identify and secure 10 training locations throughout the state and solicit attendees from the targeted groups for 10 residential and 10 commercial training presentations. The larger metropolitan areas with existing codes and enforcement will be targeted	20
5	Provide developed and approved residential and commercial training presentations to 10 groups of residential building professionals and 10 groups of commercial building professionals, also providing information on any programs designed or updated to assist	20
6	Prepare critical annual reporting metrics for ARRA Annual Reports	3
7	Prepare program specific metrics for quarterly ARRA Performance Progress Reports	12
8	Prepare quarterly Program Status Reports (PSRs)	12
9	Prepare Final Narrative Report	1
10	Prepare Annual Energy Savings Report	3

8. Standard metrics (required)**

JOB METRICS	Planned
Job Creation	
Jobs created through Recovery Act funds	
Jobs created	2
Obligations	
Recovery Act funds encumbered	
Funds encumbered	0

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Workshops, Training, and Education	
Workshops, training, and education sessions, by sector	
Number of workshops, training, and education sessions held (Commercial)	10
Number of workshops, training, and education sessions held (Residential)	10
Number of people attending (Commercial)	500
Number of people attending (Residential)	200

10. User specified metrics (optional)*

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00224)

Market Title: Training Seminars on Building Energy Codes

METRICS	Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
DOE	\$200,000.00
Market Budget Total	\$200,000.00
b. Leveraged funds anticipated (outside approved budget)	

**Please use additional pages if more space is needed.*

***Mandatory requirement*

