



**ALABAMA DEPARTMENT OF ECONOMIC AND COMMUNITY AFFAIRS
ENERGY DIVISION**

State Energy Plan

October 1, 2011 – September 30, 2012

PY2011 (FY2012)

State Energy Plan

October 1, 2011 – September 30, 2012

ALABAMA DEPARTMENT OF ECONOMIC AND COMMUNITY AFFAIRS ENERGY DIVISION

Robert Bentley
Governor

Jim Byard Jr.
Director

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Division Chief

U.S. Department of Energy
STATE ENERGY PROGRAM

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PY 2011 (FY2012)

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1. Program/Project Identification No. EE0004122		2. Program/Project Title The State Energy Program (SEP) provides grants to states and directs funding to state energy offices from technology programs in DOE's Office of Energy Efficiency and Renewable Energy. States use grants to address their energy priorities and program funding to adopt emerging renewable energy and energy efficiency technologies.	
3. Name and Address Alabama Department of Economic and Community Affairs P.O. Box 5690 Montgomery AL 361035690		4. Program/Project Start Date 10/01/2011	5. Completion Date 09/30/2012

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		\$ 623,000.00		\$ 623,000.00
2. LOCAL GOV			\$ 0.00		\$ 65,000.00	\$ 65,000.00
3. EXXON			\$ 0.00		\$ 12,000.00	\$ 12,000.00
4. State			\$ 0.00		\$ 61,774.00	\$ 61,774.00
5. TOTAL		\$ 0.00	\$ 0.00	\$ 623,000.00	\$ 138,774.00	\$ 761,774.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	Grant Program, Function or Activity				Total (5)
	(1) DOE	(2) EXXON	(3) LOCAL MATCH	(4) STATE	
a. Personnel	\$ 238,391.00	\$ 0.00	\$ 0.00	\$ 46,352.00	\$ 284,743.00
b. Benefits	\$ 86,311.00	\$ 0.00	\$ 0.00	\$ 12,961.00	\$ 99,272.00
c. Travel	\$ 5,400.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 5,400.00
d. Equipment	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
e. Supplies	\$ 5,100.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 5,100.00
f. Contract	\$ 248,000.00	\$ 12,000.00	\$ 65,000.00	\$ 0.00	\$ 325,000.00
g. Construction	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
h. Other	\$ 14,974.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 14,974.00
i. Total Direct Charges	\$ 598,176.00	\$ 12,000.00	\$ 65,000.00	\$ 59,313.00	\$ 734,489.00
j. Indirect	\$ 24,824.00	\$ 0.00	\$ 0.00	\$ 2,461.00	\$ 27,285.00
k. Totals	\$ 623,000.00	\$ 12,000.00	\$ 65,000.00	\$ 61,774.00	\$ 761,774.00
7. Program Income	\$ 0.00	\$ 0.00	\$ 0.00	\$ 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: 06/30/11

(Identification Number: EE0004122)

Market Title: ADMIN - ADECA Program Support & Energy Emergency and Assurance
Market Status: Active

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: 2011

Date Start: 10/01/2011 Date End: 09/30/2012

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

<input checked="" type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input checked="" type="checkbox"/> Procurement of efficient products **
<input checked="" type="checkbox"/> Alternative Fuels	<input checked="" type="checkbox"/> Federal, state and local facilities	<input checked="" 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 checked="" type="checkbox"/> Biomass Power	<input checked="" type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input checked="" type="checkbox"/> Right turn on red **
<input checked="" 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 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 checked="" type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input checked="" type="checkbox"/> Demand reduction	<input checked="" 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 checked="" type="checkbox"/> Transportation alternatives
<input checked="" 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 checked="" type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input checked="" type="checkbox"/> ENERGY STAR	<input checked="" type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 3,000.00 MBtus

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

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(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
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(Identification Number: EE0004122)

Market Title: ADMIN - ADECA Program Support & Energy Emergency and Assurance
Market Status: Active

The Program Support aspect will transform energy markets by increasing awareness of energy efficiency products, services and practices, supporting programs that contribute to a reduction in U.S. imported oil dependency and enhancing the resiliency of our energy system. Programs will include the promotion and expansion of energy-efficient practices, renewable energy, alternative transportation fuels, energy efficiency and renewable energy technologies, the reduction of energy usage in public buildings and industry, the reduction of impacts of energy shortages and/or disruptions along with others. All mandatory activities will be implemented. Measurable savings will be attributed to individual topics involved in the overall program markets. All programs will be monitored and evaluated for program compliance and effectiveness. All Narrative Information Worksheets with an Admin prefix in the State Title represent in-house activities that are included in the budget below. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title are for personnel, fringe, travel, supplies, and other direct charges involving the management of the State Energy Program. Additional information is located in the GO-PF20a.

The primary goal of the Energy Emergency and Assurance Program is to serve as the state point of contact for energy emergency and assurance. This requires coordination with various state agencies and energy industries. The energy emergency and assurance plan and procedures are used in responding to state emergencies that include energy components. The SEO continues to update the Energy Emergency and Assurance Plan through formula funding provided by solicitation DE-FOA-0000091. The Plan will not be updated under the State Energy Program; however, a copy of the updated plan will be forwarded to DOE upon completion. All SEP funds associated with this market title are used for administrative costs associated with the management of this program by Energy Division personnel.

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(08/05)

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

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: EE0004122)

Market Title: ADMIN - ADECA Program Support & Energy Emergency and Assurance
Market Status: Active

7. Program Year Milestones* :

	Milestone	Planned (Number)
1	Act as lead agency for Emergency Support Function 12	1
2	Attend state and regional exercises/training sessions	2
3	Assist state emergency operations center as requested	2
4	Complete National Incident Management System (NIMS) Implementation Activities to become NIMS compliant for FY11	1
5	Prepare and execute Subgrant awards	15
6	Conduct subgrantee training	1
7	Maintain and update web site on energy programs and information on energy efficiency (ongoing quarterly activity)	4
8	Promote energy programs and energy efficiency practices through presentations and exhibits	6
9	Review subgrantee invoices for compliance with fiscal policies	60
10	Distribute energy efficiency, energy conservation, and alternative fuel information	2,000
11	Review subgrantee reports for program effectiveness (ongoing quarterly activity)	4
12	Prepare and submit DOE Quarterly Performance Reports	4
13	Prepare revised SEP Plan for actual carryover funds	1
14	Develop and Submit PY2012 State Energy Plan to DOE	1
15	Conduct monitoring of Subgrant programs	15
16	Prepare closeout notices for subgrantees	15

8. Standard metrics (required)**

JOB METRICS	Planned
Jobs	
Hours worked	
Total hours worked through Non-Federal funds	0.0000
Total hours worked through Recovery Act funds	0.0000

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Other	
Administrative	
This is an administrative activity	

10. User specified metrics (optional)*

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(08/05)

**U.S. Department of Energy
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(Identification Number: EE0004122)

Market Title: ADMIN - ADECA Program Support & Energy Emergency and Assurance
Market Status: Active

METRICS	Planned
Technical Assistance	
Informational Contacts, by sector	
Number of contactsSectors: All sectors	200
Workshops, Training, and Education	
Workshops, training, and education sessions, by sector	
Number of people attendingSectors: All sectors	75
Number of workshops, training, and education sessions heldSectors: All sectors	3

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
State	\$61,774.00
Federal	\$170,793.00
Market Budget Total	\$232,567.00
b. Leveraged funds anticipated (outside approved budget)	

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(08/05)

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

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: EE0004122)

Market Title: ADMIN - Alternative Transportation Fuels & Transportation Rideshare (includes mandatory)
Market Status: Active

1. Market (choose one):

<input 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 checked="" type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2011

Date Start: 10/01/2011 Date End: 09/30/2012

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 checked="" type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input checked="" type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input checked="" 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 checked="" type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input type="checkbox"/> Schools
<input checked="" 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 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 checked="" type="checkbox"/> Transportation alternatives
<input checked="" 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 : 204.00 MBtus

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

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(08/05)

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OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: EE0004122)

Market Title: ADMIN - Alternative Transportation Fuels & Transportation Rideshare (includes mandatory)
Market Status: Active

As part of the Alternative Transportation Fuels aspect, the State Energy Office (SEO) will promote the production, distribution and use of alternative transportation fuels in Alabama. This will be accomplished by building and maintaining strong partnerships with alternative fuel stakeholders to provide active outreach and serve as an information clearinghouse to potential producers, distributors and consumers. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this program are used for administrative costs associated with the management of this program by Energy Division personnel.

The Transportation Rideshare program will promote the use of carpools, vanpools, public transportation and CommuteSmart on-line ride-matching services. Marketing information will be distributed and promotional activities will be coordinated to promote public transportation and rideshare alternatives in urban and local areas which in turn will expand capacity of transportation systems where appropriate. Links to related sites for personal transportation alternatives are maintained on the Alabama State Energy Office (SEO) website. Energy savings will be reported with DOE generated metrics which will assist in optimizing the efficiency of rideshare and the transportation systems. All SEP funds associated with this program are used for administrative costs associated with the management of this program by Energy Division personnel.

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Provide alternative fuels related information as requested	20
2	Promote Alternative Transportation Fuels on the SEO web site (ongoing quarterly activity)	4
3	Promote transportation energy efficiency through public outreach events.	4
4	Coordinate CommuteSmart promotional activities	4
5	Distribute CommuteSmart marketing materials to state departments, area employers, and interested individuals	200
6	Prepare and submit quarterly Performance Status Reports to DOE	4

8. Standard metrics (required)**

JOB METRICS		Planned
Jobs		
Hours worked		
Total hours worked through Non-Federal funds		0.0000
Total hours worked through Recovery Act funds		0.0000

9. Specific metric activity (required)**

SPECIFIC METRICS		Planned
Other		
Administrative		
This is an administrative activity		

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**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
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OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: EE0004122)

Market Title: ADMIN - Alternative Transportation Fuels & Transportation Rideshare (includes mandatory)
Market Status: Active

10. User specified metrics (optional)*

METRICS	Planned
Technical Assistance	
Informational Contacts, by sector	
Number of contactsSectors: All sectors	20

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
Federal	\$49,951.00
Market Budget Total	\$49,951.00
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: 06/30/11

(Identification Number: EE0004122)

Market Title: ADMIN - Energy Education and Consumer Outreach & Energy Efficient Procurement (includes mandatory)
Market Status: Active

1. Market (choose one):

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

2. State: AL

3. Program Year: 2011

Date Start: 10/01/2011 Date End: 09/30/2012

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

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input checked="" type="checkbox"/> Procurement of efficient products **
<input type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input checked="" 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 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 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 checked="" 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 checked="" type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 26,871.00 MBtus

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

DOE F 540.1
(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
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(Identification Number: EE0004122)

Market Title: ADMIN - Energy Education and Consumer Outreach & Energy Efficient Procurement (includes mandatory)
Market Status: Active

Promote an energy efficiency education and consumer outreach program that focuses on developing and implementing an Energy Patrol program in Alabama elementary, middle and high schools. Information will be provided to the teachers, students and administrators on the benefits of energy efficiency. Participating teachers and their students will benefit instructionally, with a resulting increase in environmental and energy literacy. In addition, energy efficiency will be promoted through public outreach and consumer education. Brochures, presentations and exhibits will be provided at events targeting consumers throughout the state, which demonstrate energy-saving measures and provide information on the most energy-efficient products and building practices available. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title are used for administrative costs associated with the management of this program by Energy Division personnel.

The ADECA Energy Division will assist the Procurement Subcommittee of the Green Fleets Review Committee in complying with Act 2009-652 signed by the Governor in May 2009 allowing life-cycle-costing to be utilized in determining the lowest cost for certain energy-efficient products. A list of energy-efficient products commonly purchased by state agencies which can be utilized for life-cycle-costing in acceptance of bids for these products has been developed and provided to the Purchasing Division of the State Financing Department. Updates will be provided on a regular basis for new products and revisions to current product specifications. The Energy Division will also assist in developing procedures and forms for including life-cycle-costing in bid documents. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title are used for administrative costs associated with the management of this program by Energy Division personnel.

7. Program Year Milestones* :

	Milestone	Planned (Number)
1	Promote energy efficiency and ENERGY STAR through public outreach events and direct information dissemination	4
2	Promote Energy Patrol to K-12 schools through statewide/regional workshops and training	6
3	Distribute Energy Patrol to K-12 through statewide/regional workshops as requested	150
4	Provide hands-on activities on energy topics in K-12 schools	10
5	Work with Energy Education Advisory Committee to develop new and innovative approaches to Energy Education in K-12 schools.	2
6	Assist Finance Dept. Division of Purchasing develop procedures and guidelines for including life-cycle-costing for energy-efficient products into the typical bid process	1
7	Provide current and any changes in ENERGY STAR products and other energy efficient products to the Finance Department Division of Purchasing.	4
8	Prepare and submit Quarterly Performance Reports to DOE	4

8. Standard metrics (required)**

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(Identification Number: EE0004122)

Market Title: ADMIN - Energy Education and Consumer Outreach & Energy Efficient Procurement (includes mandatory)
Market Status: Active

JOB METRICS	Planned
Jobs	
Hours worked	
Total hours worked through Non-Federal funds	0.0000
Total hours worked through Recovery Act funds	0.0000

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Other	
Administrative	
This is an administrative activity	

10. User specified metrics (optional)*

METRICS	Planned
Workshops, Training, and Education	
Workshops, training, and education sessions, by sector	
Number of people attending Sectors: All sectors	60
Number of workshops, training, and education sessions held Sectors: All sectors	6

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
Federal	\$19,726.00
Market Budget Total	\$19,726.00
b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

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OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: EE0004122)

Market Title: ADMIN - Industrial Energy
Market Status: Active

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: 2011

Date Start: 10/01/2011 Date End: 09/30/2012

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 checked="" 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 checked="" 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
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<input checked="" type="checkbox"/> Energy consumption and price statistics	<input checked="" 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 : 300.00 MBtus

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

The Alabama State Energy Office (SEO) will promote energy efficiency in industrial facilities and participation in the DOE Industrial Technologies Program to improve processes and practices that reduce energy use and costs of operation. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title are used for administrative costs associated with the management of this program by Energy Division personnel.

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(08/05)

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

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: EE0004122)

Market Title: ADMIN - Industrial Energy
Market Status: Active

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Promote industrial energy efficiency through organizational and industrial contacts such as Manufacture Alabama and through targeted outreach using the SEO database (ongoing quarterly activity)	4
2	Promote DOE opportunities to industrial energy users (ongoing quarterly activity)	4
3	Prepare and submit Quarterly Performance Reports	4

8. Standard metrics (required)**

JOB METRICS		Planned
Jobs		
Hours worked		
Total hours worked through Non-Federal funds		0.0000
Total hours worked through Recovery Act funds		0.0000

9. Specific metric activity (required)**

SPECIFIC METRICS		Planned
Other		
Administrative		
This is an administrative activity		

10. User specified metrics (optional)*

METRICS		Planned
Technical Assistance		
Informational Contacts, by sector		
Number of contacts Sectors: Industrial		25

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)		
Federal		\$31,128.00
Market Budget Total		\$31,128.00
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: 06/30/11

(Identification Number: EE0004122)

Market Title: ADMIN - Renewable Energy Program
Market Status: Active

1. Market (choose one):

<input type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input checked="" 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: 2011

Date Start: 10/01/2011 Date End: 09/30/2012

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

<input checked="" type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input type="checkbox"/> Procurement of efficient products **
<input checked="" type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input checked="" type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input checked="" type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input checked="" 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 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 type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input checked="" 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 : 1,351.00 MBtus

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

The Alabama State Energy Office (SEO) will work to increase the use of renewable energy in Alabama by promoting biofuels, solar, and biomass energy and by advocating for renewable energy policy. The SEO will serve as a clearinghouse for renewable energy related information. The SEO will partner with the University of Alabama in Huntsville (UAH) to administer and promote the Biomass energy Program. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title are used for administrative costs associated with the management of this program by Energy Division personnel.

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: 06/30/11

(Identification Number: EE0004122)

Market Title: ADMIN - Renewable Energy Program
Market Status: Active

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Develop/distribute renewable energy information and respond to information requests	24
2	Promote Renewable Energy programs on the SEO web site	1
3	Partner with the UAH to conduct the Biomass Energy Program	1
4	Promote the Biomass Energy Program through targeted outreach	2
5	Prepare and submit Quarterly Performance Reports	4

8. Standard metrics (required)**

JOB METRICS		Planned
Jobs		
Hours worked		
Total hours worked through Non-Federal funds		0.0000
Total hours worked through Recovery Act funds		0.0000

9. Specific metric activity (required)**

SPECIFIC METRICS		Planned
Other		
Administrative		
This is an administrative activity		

10. User specified metrics (optional)*

METRICS		Planned
Technical Assistance		
Informational Contacts, by sector		
Number of contacts Sectors: All sectors		24

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)		
Federal		\$45,060.00
Market Budget Total		\$45,060.00
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: 06/30/11

(Identification Number: EE0004122)

Market Title: ADMIN - State Building Energy Efficiency Program - Building Energy Codes - Local Government Energy Loan Program (includes mand
Market Status: Active

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: 2011

Date Start: 10/01/2011 Date End: 09/30/2012

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

<input type="checkbox"/> Agriculture	<input checked="" type="checkbox"/> Federal Energy Management Program	<input checked="" type="checkbox"/> Procurement of efficient products **
<input type="checkbox"/> Alternative Fuels	<input checked="" type="checkbox"/> Federal, state and local facilities	<input type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input checked="" 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 checked="" 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 checked="" type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input checked="" type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input checked="" 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 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 checked="" type="checkbox"/> Wind energy
<input type="checkbox"/> Energy emergency planning	<input checked="" type="checkbox"/> Performance contracting	
<input checked="" type="checkbox"/> ENERGY STAR	<input checked="" type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 62,924.00 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: 06/30/11

(Identification Number: EE0004122)

Market Title: ADMIN - State Building Energy Efficiency Program - Building Energy Codes - Local Government Energy Loan Program (includes mand
Market Status: Active

The Energy Division will work with the new administration to promote energy efficiency through the State Building Energy Efficiency Program. A baseline of FY 2005 was selected for all State agencies. The Goal of the new Executive Order is to require an energy reduction of thirty percent (30%) by FY 2015 relative to Baseline FY 2005 for all State agencies. The Energy Division will assist State agency Energy Officers with plans to reduce energy usage in State buildings. HVAC systems will be evaluated to upgrade performance and improve maintenance procedures. Performance Contracts will be recommended for consideration in situations where significant waste and limited funds make them economically attractive. A new Self Funding Energy Savings Performance Contract Program will be introduced to provide Agencies direct support from ADECA through the entire Performance Contract process. ENERGY STAR products and premium efficiency motors will be specified in general maintenance purchases to the extent that current bid laws allow. Renovations will include specifications for energy efficient products and design. Meetings will be held with Energy Officers to include presentations on energy efficiency improvements and to ensure goals and objectives are being met. Additional training will be conducted on EPA's Portfolio Manager and methods of reducing energy costs and increasing energy efficiency. EPA's ENERGY STAR Portfolio Manager Program will be utilized by all Agencies to benchmark facility performance and report progress towards meeting the Energy reduction goal of the Executive Order. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title are used for administrative costs associated with the management of this program by Energy Division personnel.

Act 2010-185, signed in March 2010, established the Alabama Energy and Residential Code (AERC) Board which has the authority to develop and adopt residential and commercial building codes. In January 2011, the AERC adopted the 2009 IECC for commercial buildings in Alabama, and adopted the 2009 IRC and 2009 IECC energy codes with provisions the following April. The ADECA Energy Division will work with local building departments to implement and enforce the codes adopted. Assistance will also be provided to building inspectors and code officials throughout the state to ensure proper reporting of jobs created, energy saved and emissions reduced through implementation and enforcement of the codes. The AERC Board will continue to promote the adoption of residential and commercial energy codes throughout the state. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title are used for administrative costs associated with the management of this program by Energy Division personnel.

The Local Government Energy Loan Program will be promoted to local governments, K12 school systems, and public colleges and universities. Provide zero-interest loans for energy conservation improvements, energy audits and building retrofits through Stripper Well funds. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title are used for administrative costs associated with the management of this program by Energy Division personnel. Program loans will be issued utilizing oil overcharge funds (Stripper).

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: 06/30/11

(Identification Number: EE0004122)

Market Title: ADMIN - State Building Energy Efficiency Program - Building Energy Codes - Local Government Energy Loan Program (includes mand
 Market Status: Active

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Conduct training for State Agency Energy Officers and meet with Energy Team members on achieving energy reductions and goals of program.	6
2	Submit annual progress report to the Governor and Finance Department.	1
3	Assist with the planning of Energy Savings and Performance Contracting Conference.	1
4	Meet with state agencies pursuing a performance contract to advise and guide them through the various stages of the procurement process.	4
5	Review renovation and energy upgrade plans not involving performance contracts.	2
6	Collect and Review progress reports from Energy Officers on state buildings program.	20
7	Administer Alabama Energy and Residential Codes (AERC) Board activities and facilitate board meetings	2
8	Work directly with local building departments to implement newly adopted residential and commercial energy codes.	5
9	Work with local building departments to introduce and implement recently developed compliance and reporting programs	5
10	Provide technical assistance to architects, engineers and builders as needed	10
11	Conduct outreach to local governments, school systems and colleges and universities to market the program	4
12	Distribute loan program materials and loan applications to interested qualifying applicants	10
13	Review loan applications and make recommendations for funding	3
14	Maintain and document annual energy savings from implemented projects	2
15	Prepare articles for publication	2
16	Prepare and submit Quarterly Performance Reports to DOE	4

8. Standard metrics (required)**

JOB METRICS	Planned
Jobs	
Hours worked	
Total hours worked through Non-Federal funds	0.0000
Total hours worked through Recovery Act funds	0.0000

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Other	
Administrative	
This is an administrative activity	

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: 06/30/11

(Identification Number: EE0004122)

Market Title: ADMIN - State Building Energy Efficiency Program - Building Energy Codes - Local Government Energy Loan Program (includes mand
Market Status: Active

METRICS	Planned
Loans and Grants	
Loans given	
Number of loans	1
Total monetary value of loans	\$500,000.00
Workshops, Training, and Education	
Workshops, training, and education sessions, by sector	
Number of people attending Sectors: Institutional	50
Number of workshops, training, and education sessions held Sectors: Institutional	4

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
Federal	\$58,342.00
Market Budget Total	\$58,342.00
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: 06/30/11

(Identification Number: EE0004122)

Market Title: Retrofits of K-12 Schools
Market Status: Active

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: 2011

Date Start: 10/01/2011 Date End: 09/30/2012

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 checked="" 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 : 1,200.00 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: 06/30/11

(Identification Number: EE0004122)

Market Title: Retrofits of K-12 Schools
Market Status: Active

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. In addition to energy-related benefits, the program assists Alabama's schools in providing 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 four school districts with a minimum of 60 percent of students eligible for free or reduced lunches. The measures will increase energy efficiency, assist in the creation and retention of jobs through the reduction of energy expenditures, and reduce greenhouse gas emissions. Program participants will be selected through a competitive process consistent with Department of Energy requirements for 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.

Activities under the program will include the installation of insulation; installation of energy-efficient lighting; HVAC replacement; weather sealing; the installation of building energy management systems for the purpose of more efficiently coordinating and control energy using components such as lighting, HVAC or other equipment to take advantage of automated cycling and time of use benefits which can result in buildings using energy more efficiently; solar electricity/photovoltaic (appropriately sized system or unit on existing rooftops and parking shade structures, or on the ground within the boundaries of an existing facility); and ground source heat pumps (horizontal/vertical, ground, closed-loop systems).

Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title will be used to reimburse a third party subgrantee for implementation of the program.

\$37,500 in matching funds will be provided by the subgrantees

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Develop and Issue Request for Proposals	1
2	Prepare and execute subgrant agreements	6
3	Retrofit eligible school districts	6
4	Prepare and submit quarterly Program Status Reports	4

8. Standard metrics (required)**

JOB METRICS		Planned
Jobs		
Hours worked		
Total hours worked through Non-Federal funds		0.0000
Total hours worked through Recovery Act funds		0.0000

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: 06/30/11

(Identification Number: EE0004122)

Market Title: Retrofits of K-12 Schools
Market Status: Active

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Loans and Grants	
Grants given	
Number of grants	6
Total monetary value of grants	\$150,000.00

10. User specified metrics (optional)*

METRICS	Planned
Building Retrofits	
Buildings retrofitted, by sector	
Buildings retrofittedSectors: Institutional	6
Square footage retrofittedSectors: Institutional	
Government, School, Institutional Procurement	
Units purchased, by type	
Units purchasedPurchasables: Energy efficient HVAC units	20
Renewable Energy Market Development	
Ground source geothermal systems installed	
Number of systems installed	0
Total capacity of systems installed	
Solar energy systems installed	
Number of systems installed	0
Total capacity of systems installed	
Solar thermal systems installed	
Number of systems installed	0
Total capacity of systems installed	

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
LOCAL GOV	\$37,500.00
Federal	\$150,000.00
Market Budget Total	\$187,500.00
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: 06/30/11

(Identification Number: EE0004122)

Market Title: Rural Water Leak Detection Program
Market Status: Active

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: 2011

Date Start: 10/01/2011 Date End: 09/30/2012

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 type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input checked="" 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 checked="" 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 : 4,000.00 MBtus

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

This program will reduce energy and water loss through the performance of leak-detection surveys in rural water systems and by providing operators with training in leak-detection techniques and recommendations to minimize water loss. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title will be used to reimburse a third party subgrantee for implementation of the program. \$7,500 in matching funds will be provided by the subgrantee.

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: 06/30/11

(Identification Number: EE0004122)

Market Title: Rural Water Leak Detection Program
Market Status: Active

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Contact water systems to review water loss	400
2	Conduct leak-detection surveys	20
3	Provide operators on-the-job training in leak-detection techniques	40
4	Provide gallons of water saved and cost savings in water and energy	4
5	Prepare and submit Quarterly Performance Reports	4

8. Standard metrics (required)**

JOB METRICS		Planned
Jobs		
Hours worked		
Total hours worked through Non-Federal funds		0.0000
Total hours worked through Recovery Act funds		0.0000
Jobs created through Recovery Act funds		
Number of jobs created		0.0000

9. Specific metric activity (required)**

SPECIFIC METRICS		Planned
Loans and Grants		
Grants given		
Number of grants		1
Total monetary value of grants		\$30,000.00

10. User specified metrics (optional)*

METRICS		Planned
Industrial Process Efficiency		
Reduction in electricity consumption		
Reduction in electricity consumption		1,000.0000

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)		
Federal		\$30,000.00
LOCAL GOV		\$7,500.00
Market Budget Total		\$37,500.00
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: 06/30/11

(Identification Number: EE0004122)

Market Title: Small Business Lighting Retrofits (New)
Market Status: Active

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: 2011

Date Start: 10/01/2011 Date End: 09/30/2012

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 type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input checked="" 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 : 680.00 MBtus

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

This program will reduce energy consumption and costs for small businesses by providing grants to make energy efficient lighting upgrades. The Energy Division will issue a Request for Proposals (RFP) for qualifying projects from for-profit small businesses. Applicants must benchmark in EPA's ENERGY STAR Portfolio Manager and provide documentation supporting the projected energy savings. The Energy Division anticipates making 16 grant awards at \$5000 each. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title will be used to reimburse third party subgrantees for implementation of the program. \$20,000 in matching funds will be provided by subgrantees.

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: 06/30/11

(Identification Number: EE0004122)

Market Title: Small Business Lighting Retrofits (New)
Market Status: Active

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Develop Request for Proposals	1
2	Review submitted proposals	1
3	Prepare grant packages	16
4	Monitor subgrantee projects	16
5	Prepare and submit Quarterly Performance Reports to DOE	4

8. Standard metrics (required)**

JOB METRICS	Planned

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Loans and Grants	
Grants given	
Number of grants	16
Total monetary value of grants	\$80,000.00

10. User specified metrics (optional)*

METRICS	Planned
Building Retrofits	
Buildings retrofitted, by sector	
Buildings retrofittedSectors: All sectors	16
Square footage retrofittedSectors: All sectors	

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
Federal	\$68,000.00
EXXON	\$12,000.00
LOCAL GOV	\$20,000.00
Market Budget Total	\$100,000.00
b. Leveraged funds anticipated (outside approved budget)	

*Please use additional pages if more space is needed.

**Mandatory requirement

State Plan - Master File Worksheet**State: AL Program Year: 2011**

This worksheet should be completed as specified in Section III of the State Energy Program Application Package.

1. Description of State Energy Goals to be achieved (10CFR 420.13.b.2)

Alabama's State Energy Program (SEP) goals have developed from a compilation of legislative actions, executive orders, other planning efforts and initiatives, to align with U.S. Department of Energy (DOE) Program Year 2011 priorities, as well as goals and objectives delineated in the SEP Strategic Plan and the Energy Policy Act of 2005 (EPAAct 2005) Section 123. The Alabama State Energy Office (SEO), the Energy Division of the Alabama Department of Economic and Community Affairs, will direct SEP activities toward changing the behavior of participants in energy markets by increasing awareness of energy efficiency products, services and practices, supporting programs that contribute to a reduction in U.S. imported oil dependency and enhancing the resiliency of our energy system.

Specifically, the SEP Program Year 2011 goals and objectives are:

Increase the use of renewable energy and promote energy efficiency in Alabama to consumers, businesses and government

Promote the production, distribution and use of alternative transportation fuels, alternative fuel vehicles and the use of biofuels in Alabama in order to reduce reliance on imported energy

Promote energy efficiency and renewable energy technology

Promote carpools, vanpools, ridesharing and public transportation

Serve on the newly enacted Green Fleets Review Committee to assist State agencies in making fleets more energy efficient and environmentally responsible. The committee will consider life cycle costing in the procurement of vehicles and will evaluate and recommend new energy efficiency and emissions reduction technologies for deployment in state fleets.

Advocate energy code implementation for residential and commercial construction through participation in the Alabama Energy and Residential Codes Board

Decrease energy usage in public buildings through:

Work with the new Governor's administration to revise the expired Executive Order 33 to require a reduction of 30 percent in State facilities by 2015 for State owned and operated facilities

Advocating building energy code implementation and enforcement

Advancing state procurement of ENERGY STAR® and other energy-efficient products

Supporting and promoting performance contracting

Supporting the Local Government Energy Loan Program

Educate consumers and students in energy efficiency and renewable energy practices and methods to increase energy efficiency and reduce energy costs and consumption

Train and educate teaching professionals and younger Alabamians on energy efficiency

Stimulate consumer demand and supplier innovation through training and education for residential industry professionals, building professionals and consumers

Reduce impacts of energy shortages and/or disruptions by working to improve the reliability of the electricity and fuel supplies and the delivery of energy services

2. Selection of State Goals (10CFR 420.13.b.2.ii)

In an effort to complement existing state and federal initiatives, the State Energy Office developed its SEP activities, to the greatest extent practicable, to strategically align with SEP Program Year 2011 priorities, goals and objectives outlined in the SEP Strategic Plan. The likelihood of goals and objectives to result in clearly identifiable outcomes or to promote sustainable change in Alabama's energy usage patterns was considered. Also taken into account was the capacity building potential of programs, as well as their ability to leverage state and federal resources.

State Plan - Master File Worksheet (continued)

State: AL Program Year: 2011

Current state initiatives include legislative and executive actions were considered in the development of SEP programs.

Executive Order 33 (EO), signed by the Governor in May 2006, directed all state departments and agencies to reduce their energy consumption by ten percent in all conditioned facilities by the end of Fiscal Year 2008, and twenty percent by Fiscal Year 2010. This order expired in 2010. A new policy is being drafted for the new Administration. Significant progress to meet the goals of EO 33 has been achieved by most agencies. While many agencies continue to enter their energy use data, the ENERGY STAR Portfolio Manager is being used to rate facilities. The SEO will recommend that the EO also require a reduction of 30 percent by FY 2015 relative to FY 2005 levels. This would align Alabama with Federal goals. The SEO is the lead agency for this initiative.

Legislation establishing the Green Fleets Review Committee was passed by the Alabama Legislature in 2009. Act 2009-650 creates the Committee to ensure compliance and provides for the creation of advisory subcommittees. In addition, it adopts a procedure for procuring state motor vehicles based on criteria that include fuel economy and life cycle costing and requires state motor vehicle fleet managers to classify their vehicle inventory for compliance with the program and submit annual plans for procuring fuel efficient vehicles.

In addition, the previous Governor signed Act 2010-185 which expanded the Residential Energy Code Board of Alabama (RECA) to the Alabama Energy and Residential Codes Board (AERC) and gave them the authority to adopt and mandate residential and commercial energy codes and residential building codes. The board consists of 15 members who are appointed by the Governor and represent various organizations, industries and utilities with vested energy resources, consumption and conservation; and two additional members appointed by the House and Senate Chairs of the Permanent Joint Legislative Committee on Energy Policy. In January 2011, the AERC adopted the 2009 International Energy Conservation Code (IECC) for commercial buildings in Alabama, and adopted the 2009 International Residential Code (IRC) with amendments the following April. The ADECA Energy Division will work with local government building departments to implement and enforce the codes adopted.

Also, through its participation in and support of the development and implementation of Alabama's E3-Economy, Energy and Environment initiative, the State Energy Office is assisting in the coordinated delivery of five federal programs to help communities work with their manufacturing base to adapt and thrive in a new business era focused on sustainability. E3 provides manufacturers with customized hands-on assessments of production processes to reduce energy consumption, minimize their carbon footprint, prevent pollution, increase productivity and drive innovation; lean/green project implementations and employee training in green skills. The E3 program helps foster a smarter and more efficient green workforce; promotes sustainable manufacturing and growth through innovative technology; improves the regional economy by retaining jobs in companies that are better positioned for global competition; and reduces environmental impacts while regaining a competitive advantage. Alabama's SEP, detailed in Item 1 above, is an important element in the overall blueprint of these various efforts to reform energy usage and consumption in the state.

3. **Measuring Achievements** (10CFR 420.13.b.2.iii)

Program performance will be measured, to the greatest extent possible, using the American Recovery and Reinvestment Act (ARRA) Benefits Calculator metrics methodology developed by National Renewable Energy Laboratory for the Recovery Act of 2009. For programs conforming to available metrics, performance measures are submitted with required reporting. Although improvement in energy efficiency for certain activities is difficult to report or capture, the SEO intends to monitor the

State Plan - Master File Worksheet (continued)

State: AL Program Year: 2011

results of energy efficiency improvement activities and to encourage the collection of performance data in a reportable format. The goal of performance reporting for the SEO is to be able to collect and convert all activity data into outcome data. For activities where there is currently no accurate or appropriate metric, the SEO will institute metrics generated by DOE at such time as they are made available to states. Finally, as the result of several SEP-funded activities and in accordance with Executive Order 33, the State of Alabama is establishing a utility usage tracking system to monitor the energy cost and consumption in state facilities. Using Fiscal Year 2005 as a baseline, Executive Order 33 directed all state departments and agencies to reduce their energy consumption by ten percent in all conditioned facilities by the end of Fiscal Year 2008, and twenty percent by Fiscal Year 2010. Increasing use of performance contracting and energy-efficient retrofits is playing an important role in attaining the desired goals and many agencies have already surpassed the 20 percent goal. This order expired in 2010. A new policy is being drafted for the new Administration. The SEO will recommend that the EO also require a reduction of 30 percent by FY 2015 relative to FY 2005 levels. This would align Alabama with Federal goals.

4. State Strategy (10CFR 420.13.b.2.iv)

The Alabama SEO's strategy for implementing its SEP is to foster programs that, to the greatest extent practicable, contribute to the achievement of the shared goals and objectives of several state and federal initiatives. Many of the programs are designed to change the behaviors of market participants to reflect increases in the use of energy-efficient products, services or practices and to lessen U.S. dependency on imported energy. In order to accomplish the goals and objectives set forth in Item 1, SEO programs will address the following areas:

Program Administration & Energy Emergency Assurance Planning:

- 1) Development of the State Energy plan and coordination of activities for implementation
- 2) The impact of energy emergencies and disruptions will be reduced through the revision of the Alabama Energy Emergency and Assurance Plan.

Alternative Transportation Fuels & Transportation Rideshare

- 1) Alternative transportation fuels and renewable biofuels will be promoted through regional workshops, taskforce participation, presentations, stakeholder coordination and website development.
- 2) Carpool and vanpool rideshare matching will be promoted to metropolitan and rural areas by promoting the CommuteSmart program through information distribution, presentations and internet communication. Public transportation will also be promoted through marketing materials.

State Bldg Energy Efficiency - Building Energy Codes -Local Government Energy Loan Program

- 1) Promote the local government loan program to local governments, public colleges and universities and K-12 public school systems, and provide zero-interest loans for energy conservation improvements, energy audits and building retrofits.
- 2) Performance contracting will contribute toward the reduction of energy consumption in state buildings and will be marketed to state agencies, local governments and schools.
- 3) The Building Energy Codes Program will increase residential and public building energy efficiency through advocacy of code adoption and enforcement, and public building lighting and thermal efficiency standards. The SEO will participate in the Alabama Energy and Residential Codes Board which has the authority to adopt and mandate residential and commercial energy codes and residential building codes.

Energy Education and Consumer Outreach - Energy Efficient Procurement

- 1) Energy Division Personnel will participate in subcommittee meetings of the Green Fleets Review Committee to consider life cycle costing in the procurement of vehicles and will evaluate and

State Plan - Master File Worksheet (continued)

State: AL Program Year: 2011

recommend new energy efficiency and emissions reduction technologies for deployment in state fleets.

2) The Energy Efficiency Procurement Program will increase energy efficiency in state facilities and advocate life-cycle costing to permit the expanded procurement of ENERGY STAR® products through state purchasing.

3) Energy consumer market transformation will occur through public energy education, stimulating demand for ENERGY STAR® products, residential building education and K-12 energy education.

Industrial Energy

1) Promote energy efficiency in industrial facilities and participation in the DOE Industrial Technologies Program to improve processes and practices that reduce energy use and costs of operation.

2) Participate in the partnership to implement Alabama's E3 initiative.

Renewable Energy

1) Renewable energy will be advocated through presentations, partnerships, information distribution, workshops, taskforce development and other means promoting biofuels, bioenergy and solar energy.

2) Implementation and promotion of the Biomass Energy Program, through a partnership with the University of Alabama in Huntsville and (funded through the Stripper Well Plan), which provides interest subsidies on loans used to finance approved renewable fuel projects in commercial, industrial or institutional facilities.

Rural Water Leak Detection Program:

1) The program will reduce energy usage and water loss through the performance of leak-detection surveys in rural water systems and by providing operators with training in leak-detection techniques and recommendations to minimize water loss.

Energy-Efficient Retrofits of Schools:

1) Decrease energy usage in public buildings through energy efficient retrofits of public schools .

Small Business Energy-Efficient Lighting Retrofits

1) Decrease energy usage in private buildings through energy efficient lighting retrofits for small businesses.

5. 25% or more improvement in the efficiency of use of energy by 2012 (1990 baseline)

Energy efficiency and renewable energy programs currently supported by the State Energy Office result in energy savings and reduced consumption that will contribute greatly to the achievement of Alabama's EAct goal. The SEO is working to develop additional methods of measuring and reducing energy consumption, while accounting for growth in population and productivity.

Considering historical trends, it is realistic to assume that with continued efforts toward increasing energy conservation, Alabama's projected EAct goal (based on 1990 data) of 12.45 billion Btu's per dollar of real gross domestic product should be attained by 2012. The SEO maintains a database of all required and recommended data, as available, concerning the EAct goal. The data is continually updated as information is received. A copy of this data and formulation of our energy efficiency goal is enclosed with our application entitled "AL-EAct.pdf."

Development of the Alabama Energy Plan, implementation of a revised Executive Order 33 and focusing the SEP on programs that demonstrate a measurable impact on energy efficiency will contribute to Alabama's progress in achieving the required level of improvement. Alabama will also respond programmatically to efforts of DOE and the National Association of State Energy Officials (NASEO) to develop metrics for reporting state EAct progress.

State: AL Program Year: 2011

6. Mandatory Activities (10CFR 420.13.b.4.v and 15)

All mandatory activities are implemented under Alabama's SEP. The State Energy Office has notified DOE that Alabama has met the federal mandate concerning commercial codes for new public buildings.

In 2009, Alabama incorporated energy efficiency criteria into its state procurement procedures. Acts 2009-652 and 2009-653 related to competitive bidding by the State of Alabama, allow for the consideration of life-cycle-costs to determine the lowest responsible bidder for personal property and for motor vehicles. Act 2009-650 also established the Green Fleets Review Committee and tasked it with assisting the state in establishing procurement policies incorporating life-cycle-costs for both vehicles and personal property, ensure compliance with policies and review progress.

With regard to mandatory lighting and efficiency standards and mandatory thermal efficiency standards for new and renovated buildings, Alabama has been a home-rule state until recent legislation (Act 2010-185) established a regulatory body to adopt and implement the state's first mandatory residential and commercial energy standards to be based on the 2008 IECC/ASHRAE Standard 90.1-2007, or subsequent editions. The new law replaces the Residential Energy Codes Board of Alabama (RECA) with the Alabama Energy and Residential Codes Board, giving the new board sole authority over adoption and implementation of the state's energy codes. It also allows for establishment of the new Alabama Energy and residential codes for the State of Alabama, established as the 2009 IECC/ASHRAE Standard 90.1-2007 for commercial buildings and the 2009 IRC, with amendments, for residential buildings, or "any subsequent editions".

Local jurisdictions would be prohibited from adopting codes that conflict with the new state codes or amending code requirements mandated by the Board without Board approval.

The mandatory residential and commercial energy codes, the 2009 IECC for commercial buildings in January 2011 and the 2009 IRC with amendments the following April, were adopted by the Board during the 2010 SEP Program Year and will become effective within six months of adoption.

Enactment of this law is a positive step toward meeting the requirements of Title IV, Section 410 of the American Recovery and Reinvestment Act (Pub. L. 111-5 (Feb. 17, 2009) to adopt the latest residential and commercial energy codes and becoming 90 percent compliant within the next seven years.

The State of Alabama has enacted legislation that meets the requirements of the "Right Turn on Red" measure and "Left Turn on Red" from a one-way street onto a one-way street. The law (Act No. 355) was passed by the Alabama Legislature in August 1976. Therefore, a narrative information worksheet will not be included in Alabama's Annual File.

The Energy Division will effectively coordinate with all local, state, and Federal energy efficiency, renewable energy and alternative transportation programs. Similar programs may be paired utilizing all resources to achieve the highest level of success. Although similar goals are associated with the EECBG, SEP goals and achievements will be reported separately and expenditures will be documented to provide the highest level of transparency.

Alabama will also implement several optional program activities that include public education to promote energy conservation, promotion of alternative transportation fuels and transportation efficiency, financing energy efficiency through loan programs and performance contracting, and the encouragement of the use of renewable energy technologies. The Narrative Activity Information Worksheets contained in the Annual File provide further compliance details and program descriptions.

State Plan - Master File Worksheet (continued)**State: AL Program Year: 2011****7. Environmental Impact (10CFR 420.13.b.5)**

Programs proposed under Alabama's SEP are not expected to have any adverse impact on the environment.

8. Supplementing Weatherization (10CFR 420.13.b.6)

SEP funds are not used to purchase or install materials or equipment for the weatherization of low-income housing. SEP funds are not used to supplant the Weatherization Assistance Program in any way.

9. Supplementing State/Local Funds (10CFR 420.13.b.7)

SEP funds are not used to supplant state or local funds. SEP funds are used to conduct services and programs which supplement activities and to fund projects which would not be implemented without federal funds. The SEO adheres to state and federal procedures and has a written policy concerning this matter.

10. Compliance with Laws and Regulations (10CFR 420.13.b.8)

The State of Alabama Department of Economic and Community Affairs - Energy Division will comply with all applicable statutes and regulations in effect with respect to the periods for which the State receives grant funding.

11. Energy Emergency Plan (10CFR 420.13.b.9)

Alabama's Energy Emergency and Assurance Plan was updated in September 2006, and DOE acknowledged receipt of its informational copy of the revised plan on September 13, 2006. The State Energy Office is authorized by the Alabama Emergency Operations Plan as the primary agency responsible for energy emergency response, otherwise known as Emergency Support Function 12 (ESF 12). All energy emergency response activities are coordinated with the Alabama Emergency Management Agency and the Alabama Public Service Commission.

The SEO is updating the Energy Emergency and Assurance Plan through formula funding provided by solicitation DE-FOA-0000091. A draft plan was submitted and approved by DOE in February 2010. The Plan will not be updated under the State Energy Program; however, a final copy of the updated plan will be forwarded to DOE upon completion.

12. Monitoring Approach (Annual SEP Guidance)

Alabama implements many of its SEP programs through subcontractual agreements with other agencies and organizations. All subgrants are monitored at least once during the contract term for compliance with applicable state and federal policies, rules and regulations. Primarily on-site or occasional desk monitoring, quarterly reporting and routine contract management provide an accurate representation of subgrantee performance with regard to financial accountability, program milestones, and program objectives. SEP activities implemented directly by the State Energy Office also adhere to all applicable state and federal policies, rules and regulations. All programs are reviewed to determine effectiveness. Evaluation forms are required for all workshops/conferences and are reviewed to determine if corrective action is needed with regard to format and speakers.