

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: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	If Revision, select appropriate letter(s) Other (specify):
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3. Date Received	4. Applicant Identifier:
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5a. Fed Entity Identifier:	5b. Federal Award Identifier: EE00097
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State Use Only:

6. Date Received by State:	7. State Application Identifier:
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8. APPLICANT INFORMATION:

a. Legal Name: Maryland Energy Administration

b. Employer/Taxpayer Identification Number (EIN/TIN): [REDACTED]	c. Organizational DUNS: [REDACTED]
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d. Address:

Street 1:	1623 Forest Drive
Street 2:	Suite 300
City:	Annapolis
County:	Anne Arundel
State:	MD
Province:	
Country:	U.S.A.
Zip / Postal Code:	21403-

e. Organizational Unit:

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

Prefix:	First Name:	Walter
Middle Name:		
Last Name:	Auburn	
Suffix:		
Title:		
Organizational Affiliation:		

Telephone Number: (410)260-7204	Fax Number: (410)974-2250
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Email: wauburn@energy.state.md.us

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:

13. Competition Identification Number:

Title:

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

Statewide

15. Descriptive Title of Applicant's Project:

Maryland State Energy Program Formula Grant, American Recovery and Reinvestment Act

APPLICATION FOR FEDERAL ASSISTANCE SF-424

Version 02

16. Congressional District Of:

a. Applicant: 03

b. Program/Project: Statewide

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

17. Proposed Project:

a. Start Date: 04/20/2009

b. End Date: 04/30/2012

18. Estimated Funding (\$):

a. Federal	51,772,000.00
b. Applicant	0.00
c. State	0.00
d. Local	0.00
e. Other	0.00
f. Program Income	0.00
g. TOTAL	51,772,000.00

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: 03/23/2009
- 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: First Name: Malcolm

Middle Name:

Last Name: Woolf

Suffix:

Title: Director

Telephone Number: (410)260-7655

Fax Number:

Email:

Signature of Authorized Representative:

Date Signed: 03/20/2009

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: Maryland Energy Administration

Budget period: 04/20/2009 - 04/30/2012

Award number: EE00097

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>
Administrator V	Administrator V will manage all grant and loan programs associated with ARRA.
Exec Aide V	Executive Aide V will oversee the day-to-day administration of ARRA funded programs.
Exec Aide VIII	Executive Aide VIII will provide direction for all programs and be ultimately responsible for ARRA programs but will not provide day-to-day administration.
Exec Aide III	Executive Aide III will provide oversight for all energy efficiency projects.
Exec Asst II Exec Dept	Executive Assistant II Executive Department will manage select energy efficiency projects.
Administrator III	Administrator III will manage select energy efficiency projects.
Administrator I	Administrator I will manage select energy efficiency projects.
Administrator II	Administrator II will manage select renewable energy projects.

Direct Personnel Compensation:

<u>Position</u>	<u>Salary/Rate</u>	<u>Time</u>	<u>Direct Pay</u>
Administrator V	\$78,832.00	25 % FT	\$19,708.00
Exec Aide V	\$102,180.00	50 % FT	\$51,090.00
Exec Aide VIII	\$127,448.00	25 % FT	\$31,862.00
Exec Aide III	\$96,500.00	25 % FT	\$24,125.00
Exec Asst II Exec Dept	\$63,928.00	25 % FT	\$15,982.00
Administrator III	\$60,564.00	25 % FT	\$15,141.00
Administrator I	\$69,004.00	25 % FT	\$17,251.00
Administrator II	\$60,084.00	50 % FT	\$30,042.00
		Direct Pay Total	\$205,201.00

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 rates are approximately 30% added on to salary cost and are approved by Maryland Department of Budget and Mgt. Calculation is as follows:

July 14, 2009 $\$615,601 * 30\% = \$184,680$

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

a. Proposed travel:

Purpose of Trip	Number of Trips	Cost Per Trip	Total
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b. Basis for computation of travel expenses (e.g., current airline quotes, past trips, federal or organization travel policy, etc.):

N/A

4. **EQUIPMENT** - As defined in 10 CFR 660.202. Definitions are at http://www.access.gpo.gov/nara/cfr/waisidx_00/10cfr660_202.html

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

N/A

b. Equipment to be purchased and justification of need:

Equipment	Unit Cost	Number	Total Cost	Justification of Need
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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.):

N/A

b. Supplies to be purchased and justification of need:

General Category	Cost	Justification of Need
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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.

Name of Proposed Sub	Total Cost	Basis of Cost*
Multifamily Housing Retrofits-Low Income	\$9,686,885.00	Expanding Current Program
State Agency Loan Program	\$8,000,000.00	Previous Projects
Commerical/Industrial	\$7,000,000.00	Previous Projects - \$6,000,000 loans & \$1,000,000 grants
Clean Energy Job Training & Building Codes Technical Assistance	\$1,500,000.00	Complementing Weatherization Training & Building Codes Requirement
Grants-Attract & Grow Clean Energy Manufacturers & Generators	\$7,657,716.00	To complement Governor's Smart, Green and Growing Initiative
Alternative Fuel Transportation & Infrastructure Grants	\$1,600,000.00	Previous Projects
Clean Energy Grant Programs	\$7,900,000.00	Previous projects
Empowering Financing Initiative	\$4,000,000.00	Leveraging Projects - \$2,000,000 loans & \$2,000,000 grants

Grants to Promote Mid-Sized Renewable Energyat Provate and Government Buildings	\$3,500,000.00
Contracts and Subgrants Total	\$50,844,601.00

*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.):

Torte, officer/employee insurance and general property insurance were added and are approximately \$69.70/person, as established by State of MD. 2.5 FTE * 3 years * \$69.70 = \$523

b. Other direct costs and justification of need:

General Description	Cost	Justification of Need
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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.

Indirect costs are those negotiated between Governor’s Office and U.S. Department of Justice as recently as February 27, 2009 and are given to Maryland Governor’s Office for administration that supports the work happening under this grant. 100% of all Salaries and related costs are multiplied by 15.33%. On contractual services, 15.33% of the first \$25,000 is also added. Assuming \$800,804 = sum of personnel, fringe and other, calculation as follows: Indirect costs are those negotiated between Governor’s Office and U.S. Department of Justice as recently as February 27, 2009 and are given to Maryland Governor’s Office for administration that supports the work happening under this grant. 100% of all Salaries and related costs are multiplied by 15.33%. On contractual services, 15.33% of the first \$25,000 is also added.

Assuming \$800,804 = sum of personnel, fringe and other, calculation as follows: \$126,596 =sum (\$800,804 * .1533) + (.1533 * \$25,000) \$126,596 =sum (\$800,804 * .1533) + (.1533 * \$25,000)

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: _____ Phone Number: () - _____

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:	EE00097 A000	2. Program/Project Title Maryland State Energy Program Formula Grant, American Recovery and Reinvestment Act
3. Name and Address Maryland Energy Administration 1623 Forest Drive Annapolis MD 21403-	4. Program/Project Start Date 04/20/2009	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		\$ 51,772,000.00		\$ 51,772,000.00
2. GRANTEE			\$ 0.00		\$ 0.00	\$ 0.00
3.						
4.						
5. TOTALS		\$ 0.00	\$ 0.00	\$ 51,772,000.00	\$ 0.00	\$ 51,772,000.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	Grant Program, Function or Activity				Total (5)
	(1)	DOE	(2)	(3)	
a. Personnel		\$ 615,601.00			\$ 615,601.00
b. Fringe Benefits		\$ 184,680.00			\$ 184,680.00
c. Travel		\$ 0.00			\$ 0.00
d. Equipment		\$ 0.00			\$ 0.00
e. Supplies		\$ 0.00			\$ 0.00
f. Contractual		\$ 50,844,601.00			\$ 50,844,601.00
g. Construction		\$ 0.00			\$ 0.00
h. Other		\$ 523.00			\$ 523.00
i. Total Direct Charges		\$ 51,645,405.00			\$ 51,645,405.00
j. Indirect Charges		\$ 126,595.00			\$ 126,595.00
k. Totals		\$ 51,772,000.00			\$ 51,772,000.00
7. Program Income		\$ 0.00			\$ 0.00

BUDGET INFORMATION - Non-Construction Programs

1. Program/Project Identification No. Amendment number:	EE00097 A000	2. Program/Project Title Maryland State Energy Program Formula Grant, American Recovery and Reinvestment Act
3. Name and Address Maryland Energy Administration 1623 Forest Drive Annapolis MD 21403-	4. Program/Project Start Date 04/20/2009	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		\$ 51,772,000.00		\$ 51,772,000.00
2. GRANTEE			\$ 0.00		\$ 0.00	\$ 0.00
3.						
4.						
5. TOTALS		\$ 0.00	\$ 0.00	\$ 51,772,000.00	\$ 0.00	\$ 51,772,000.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	Grant Program, Function or Activity				Total (5)
	(1)	DOE	(2)	(3)	
a. Personnel		\$ 615,601.00			\$ 615,601.00
b. Fringe Benefits		\$ 184,680.00			\$ 184,680.00
c. Travel		\$ 0.00			\$ 0.00
d. Equipment		\$ 0.00			\$ 0.00
e. Supplies		\$ 0.00			\$ 0.00
f. Contractual		\$ 50,844,601.00			\$ 50,844,601.00
g. Construction		\$ 0.00			\$ 0.00
h. Other		\$ 523.00			\$ 523.00
i. Total Direct Charges		\$ 51,645,405.00			\$ 51,645,405.00
j. Indirect Charges		\$ 126,595.00			\$ 126,595.00
k. Totals		\$ 51,772,000.00			\$ 51,772,000.00
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: EE00097)

Market Title: Alternative Transportation Fuel and Infrastructure Grants

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: MD

3. Program Year: 2009

Date Start: 04/20/2009 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 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 checked="" type="checkbox"/> Bioenergy and biobased products	<input checked="" 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 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 checked="" type="checkbox"/> Hydrogen	<input checked="" 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 checked="" type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Lighting **	<input checked="" 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 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 : 297,600.00 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: EE00097)

Market Title: Alternative Transportation Fuel and Infrastructure Grants

Alternative transportation fuels play a critical part in advancing Maryland's sustainability and energy independence goals. MEA-commissioned studies have identified the three top areas with the greatest potential for Maryland as alternative-fuels, electric hybrids, and consumer behavior programs. MEA plans to expand the existing alternative fuel grant program and focus its efforts on these three strategic areas.

Alternative Transportation Fuel and Infrastructure Grants

MEA plans on using ARRA funds to expand the existing alternative transportation fuel and infrastructure grant program. Historically, MEA has awarded grants to help defray the cost of building E85 fueling stations, purchasing all-electric vehicles, and establishing alternative fuel distribution facilities.

The funds may be used under this part for the purchase and installation of equipment and materials for energy efficiency measures and renewable energy measures, including reasonable design costs.

No financial assistance will be provided for:

- (1) Construction or repair of buildings or structures;
- (2) To purchase land, a building or structure or any interest therein;
- (3) To subsidize fares for public transportation;
- (4) To subsidize utility rate demonstrations or State tax credits for energy conservation measures or renewable energy measures; or
- (5) To conduct, or purchase equipment to conduct, research, development or demonstration of energy efficiency or renewable energy techniques and technologies not commercially available.

Grants may be awarded to the following types of projects:

- Alternative fuel distribution infrastructure at existing facilities (terminal level-ethanol & biodiesel)
- Electric vehicles (light duty)
- Alternative fueling station infrastructure at existing facilities (E85, biodiesel, propane, CNG, LNG, Electric chargers)
- Car-share programs
- Medium and Heavy Duty Alternative Fuel Vehicles (CNG, Propane, Hybrid, Hydrogen)
- Implementation of measures that will change consumer behavior in order to save fuel
- Electric Vehicle testing (funds will not be used for R&D)
- Transportation Policy Creation

All projects funded through the Alternative Transportation Fuel and Infrastructure Program will be limited to alternative-fuel projects that are explicitly allowed under 6322 subsection D. Program activities will also meet the criteria in CFR 420.18 as long as it is commercially available and can be added to a new construction project that currently has an approved environmental assessment. All program activities will be limited to those that can be categorically excluded from NEPA review as a matter of course (in the absence of extraordinary circumstances) as described on pages 2-4 of DOE's

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: EE00097)

Market Title: Alternative Transportation Fuel and Infrastructure Grants

SEP and EECBG Guidance.

This statement refers to the fact that all grant funds will be obligated under contract by February 2010. By encumbering all funds by February 2010, all grant recipients should have sufficient time to complete their projects before the end of the project period.

7. Program Year Milestones* :

	Milestone	Planned (Number)
1	Encumber funds by February 2010	0

8. Standard metrics (required)**

JOB METRICS		Planned
Job Creation		
Jobs created through Recovery Act funds		
	Jobs created	27

9. Specific metric activity (required)**

SPECIFIC METRICS		Planned
Loans and Grants		
Grants given		
	Number of grants	0
	Total monetary value of grants	0

10. User specified metrics (optional)*

METRICS		Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)		
	DOE	\$1,600,000.00
	Market Budget Total	\$1,600,000.00
b. Leveraged funds anticipated (outside approved budget)		
	Other State Agencies	\$900,000.00

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: EE00097)

Market Title: Clean Energy Economic Development Initiative (CEEDI)

1. Market (choose one):

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

3. Program Year: 2009

Date Start: 04/20/2009 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 checked="" 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 checked="" 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 type="checkbox"/> Federal, state and local facilities <input checked="" type="checkbox"/> Financing energy programs <input checked="" type="checkbox"/> Fuel cells <input type="checkbox"/> General energy efficiency for industry <input checked="" type="checkbox"/> Geothermal <input checked="" 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 type="checkbox"/> Lighting ** <input type="checkbox"/> Low-income Weatherization <input checked="" 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 checked="" type="checkbox"/> Water systems <input checked="" type="checkbox"/> Wind energy
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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: EE00097)

Market Title: Clean Energy Economic Development Initiative (CEEDI)

In partnership with the MD Dept of Economic Development and MD Clean Energy Center, MEA plans to use funding to support a Clean Energy Economic Development Initiative (CEEDI) Support Program to assist in the growth of a clean energy industry throughout the State. MEA will judiciously support, expand and attract emerging clean energy companies, such as thin film solar and wind turbine manufacturers in or to Maryland by participating with other state entities to provide loans or grants. Funded projects may include renewable energy feasibility studies and business development. (see note at end of narrative). Review periods will take place in two intervals; the first from submission made prior to November 17, 2009 and the second prior to April 30, 2010.

Evaluation criteria will include: diversification and breadth in portfolio of clean energy technologies to support in the main, commercially available clean energy generation in the form of wind, solar pv, solar hw, geothermal and biomass. Where possible, some funding will be allocated for the support of commercially available technology' such as ocean energy. Other criteria will include: number of green jobs, direct and indirect, readiness of project and immediacy of results, the level of using local supply chain from suppliers in the state or in the region, environmental (water and emissions) impact as well as overall potential contribution towards the state's and national generation of clean energy. Further, preferred projects will include those that have prearranged leveraged funding for capital expenditures or verification that there is a high level in confidence that the remaining stages of the project have sufficient financing.

All activities funded through the CEEDI will be limited to projects that can be categorically excluded from NEPA review as a matter of course (in the absence of extraordinary circumstances) as described on pages 2-4 of DOE's SEP and EECBG Guidance.

"Business development": The funds may be used under this part for the purchase and installation of equipment and materials for energy efficiency measures and renewable energy measures, including reasonable design costs.

Qualifying Criteria for DOE requirements: The projects will support the Governor's EmPOWER Maryland and the Renewable energy Portfolio Standard with direct impact to the State. The following three questions will be used to determine this;

1. Is the funding and project's primary purpose to aid the conservation of energy in the State of Maryland;
2. Is the funding and project's primary purpose to reduce the rate of growth of energy demand in the State of Maryland; and/or
3. Is the funding and project's primary purpose to reduce dependence on imported oil in the State of Maryland?

Activities funded through the Clean Energy Economic Development Initiative (CEEDI) will be limited to:

- (1) Refurbishing manufacturing plants for new applications
- (2) Supporting final engineering and design
- (3) Purchasing commercially available production equipment
- (4) Installing commercially available renewable technology, efficiency, electric generation, or waste-mitigation systems of existing buildings and facilities of the scale that can be categorically excluded from NEPA review as a matter of course (in the absence of extraordinary circumstances) as described on pages 2-4 of DOE's SEP and EECBG Guidance
- (5) Renewable energy feasibility studies
- (6) Purchase and installation of energy efficient equipment and materials in existing buildings and facilities

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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: 06/30/08

(Grant Number: EE00097)

Market Title: Clean Energy Economic Development Initiative (CEEDI)

- (7) Paying licensing costs
- (8) Funding process modeling and production engineering of commercially available products
- (9) Hiring contractors and consultants to conduct the activities listed above

All activities funded through the CEEDI will be limited to projects that can be categorically excluded from NEPA review as a matter of course (in the absence of extraordinary circumstances) as described on pages 2-4 of DOE's SEP and EECBG Guidance, or to projects that have an existing and current EA or EIS and, as to an EA, an issued Finding of No Significant Impact, or, as to an EIS, an issued Record of Decision.

No financial assistance under CEEDI will be provided for:

- (1) Construction or repair of buildings or structures;
- (2) To purchase land, a building or structure or any interest therein;
- (3) Ocean energy or biomass energy projects that involve the construction of a new facility regardless of whether federal funds are used for construction of the facility prior to seeking an individual NEPA determination for such projects from DOE.

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Receive and commence review of submissions by	1
2	Receive and review second phase of submissions by	1
3	Release first round of funds by	1
4	Receive and review third phase of submissions by	1
5	Release remaining funds by	1
6	Commence Quarterly project reporting	1
7	Ensure loan repayments and repeat cycle	1

8. Standard metrics (required)**

JOB METRICS	Planned
Job Creation	
Jobs created through Recovery Act funds	
Jobs created	1,765

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Financial Incentives for Energy Efficiency and Other Covered Investments	
Financial incentives provided, by incentive type and sector	
Monetary value of financial incentives (All sectors; Other)	7,770,000

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: EE00097)

Market Title: Clean Energy Economic Development Initiative (CEEDI)

10. User specified metrics (optional)*

METRICS	Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
DOE	\$7,657,716.00
Market Budget Total	\$7,657,716.00
b. Leveraged funds anticipated (outside approved budget)	
Other State Agencies	\$900,000.00

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: EE00097)

Market Title: Clean Energy Grants Programs

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: MD

3. Program Year: 2009

Date Start: 04/20/2009 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 <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 checked="" 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 type="checkbox"/> Financing energy programs <input type="checkbox"/> Fuel cells <input type="checkbox"/> General energy efficiency for industry <input checked="" type="checkbox"/> Geothermal <input checked="" type="checkbox"/> Green power programs <input type="checkbox"/> Heavy vehicles and trucks <input checked="" 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 type="checkbox"/> Rating and labeling <input type="checkbox"/> Rebuild America <input type="checkbox"/> Residential buildings <input type="checkbox"/> Right turn on red ** <input checked="" 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 checked="" type="checkbox"/> Wind energy
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5. Estimated Annual Energy Savings : 96,110.00 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: EE00097)

Market Title: Clean Energy Grants Programs

Description: Clean Energy Grant Programs

The Maryland Energy Administration's (MEA's) Clean Energy Grant programs, provide a financial incentive in the form of a grant to homeowners, businesses, and local governments that install solar water-heating systems, solar-electric (PV) systems, geothermal heat pumps, and small-wind energy systems. These grants will go to Maryland residents, businesses, and local governments who install any of the following;

- a. A solar PV system that is 1-20KW (DC) in capacity and meets applicable UL, IEEE, and NEC standards.
- b. A solar water heating system that is SRCC OG-100 certified.
- c. A geothermal heat pump that has a minimum Energy Efficiency Ratio (EER) of 15.5; and a minimum coefficient of performance (COP) of 3.5.
- d. A wind energy systems that is at least 1KW (DC) of capacity and is listed by either the California Energy Commission (CEC) or New York State Energy Research and Development Authority (NYSERDA) as an eligible small wind systems.

Clean Energy Grants will be calculated based on the following formulas:

- a. Solar PV:
 - i. \$1.25 per watt (DC) of capacity for the first 2,000 watts.
 - ii. \$0.75per watt (DC) for watts 2,001 to 8,000.
 - iii. \$0.25 per watt (DC) for watts 8,001 to 20,000.

Grants for solar PV are capped \$10,000.

- b. Solar hot water:
 - i. 30% of total system cost up to a maximum of \$2,000.

c.

Geothermal heat pumps:

- i. \$500 per ton of cooling up to \$3,000 for residential systems; and up to \$10,000 for commercial and local government systems.

d. Small wind turbines

- i. \$2,800 per kW (DC) of capacity for the first 5 kW up to a maximum of \$14,000.
- ii. \$2,100 per kW (DC) of capacity after 5 kW.

Grants for wind are capped at \$20,000.

All activities funded through the Clean Energy Grant program will be limited to projects that can be categorically excluded from NEPA review as a matter of course (in the absence of extraordinary circumstances) as described on pages 2-4 of DOE's SEP and EECBG Guidance.

The Clean Energy Grants have proven extremely popular and have been underfunded in the past creating an extensive waitlist. Using these funds, MEA will be able to offset a portion of the cost of nearly 2,200 renewable energy projects, enabling hundreds of Maryland households, businesses, and local government entities wanting to install a renewable energy system to do so, as well as drastically reducing their energy bills and their carbon footprint.

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: EE00097)

Market Title: Clean Energy Grants Programs

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Estimated number of participants	2,186

8. Standard metrics (required)**

JOB METRICS		Planned
Job Creation		
Jobs created through Recovery Act funds		
	Jobs created	83

9. Specific metric activity (required)**

SPECIFIC METRICS		Planned
Renewable Energy Market Development		
Solar thermal systems installed		
	Number of systems installed	1,422
	Total capacity of systems installed	0
Renewable Energy Market Development		
Ground source geothermal systems installed		
	Number of systems installed	746
	Total capacity of systems installed	0

10. User specified metrics (optional)*

METRICS		Planned
Clean Energy Policy		
Interconnection standards established or improved		
	Standards established	0
	Standards improved	0

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)		
	DOE	\$7,900,000.00
	Market Budget Total	\$7,900,000.00
b. Leveraged funds anticipated (outside approved budget)		
	Other State Agencies	\$1,498,200.00

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: EE00097)

Market Title: Clean Energy Job Training and Building Code Technical Assistance

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: MD

3. Program Year: 2009

Date Start: 04/20/2009 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 checked="" type="checkbox"/> Building America <input type="checkbox"/> Carpools, vanpools, and ridesharing ** <input type="checkbox"/> Clean Cities <input type="checkbox"/> Climate change planning <input type="checkbox"/> Combined heat and power <input checked="" type="checkbox"/> Commercial buildings <input checked="" type="checkbox"/> Curriculum development <input checked="" type="checkbox"/> Demand reduction <input checked="" type="checkbox"/> Distributed energy generation <input type="checkbox"/> Energy and environment <input checked="" 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 checked="" 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 checked="" type="checkbox"/> Lighting ** <input checked="" 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 checked="" 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 checked="" type="checkbox"/> Schools <input checked="" type="checkbox"/> Solar power <input checked="" type="checkbox"/> State energy strategic plans <input type="checkbox"/> Telecommuting <input checked="" 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 : 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: EE00097)

Market Title: Clean Energy Job Training and Building Code Technical Assistance

MEA has established a strategy for developing the workforce needed to support the energy efficiency and renewable initiatives for the State. This strategy includes training programs for both energy efficiency and renewable energy industry members.

Energy Efficiency: MEA will provide training opportunities through the Maryland Community Colleges and other experienced training providers for members of the building energy efficiency industry including planning/code officials, building architects/engineers, and other energy related construction industry members. Training opportunities will include a variety of topics related to building energy efficiency such as: energy efficiency for realtor/mortgage lenders, ENERGY STAR qualified appliances for retailers, multifamily building energy efficiency retrofits and operations, commercial building energy efficiency operations, certified energy manager technical courses, HERS-rater certification courses, and specialized building energy code specifications for planners/code officials and other local policy makers.

Renewable Energy: MEA will provide training opportunities through the Maryland Community Colleges and other experienced training providers for members of the renewable energy industry. Training opportunities will include a variety of topics to contribute to the effective implementation of renewable energy technologies such as: photovoltaic systems for electricians, mid-size residential wind installation, renewable energy technologies safety, and specialized renewable energy code specifications for developers and planners/code officials.

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Estimated number of participants	1,270

8. Standard metrics (required)**

JOB METRICS	Planned
Job Creation	
Jobs created through Recovery Act funds	
Jobs created	16

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 (Institutional)	0
Number of people attending (Institutional)	1,270

10. User specified metrics (optional)*

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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: EE00097)

Market Title: Clean Energy Job Training and Building Code Technical Assistance

METRICS	Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
DOE	\$1,500,000.00
Market Budget Total	\$1,500,000.00
b. Leveraged funds anticipated (outside approved budget)	
Other	\$750,000.00

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: EE00097)

Market Title: Commercial/Industrial Loans and Grants

1. Market (choose one):

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

3. Program Year: 2009

Date Start: 04/20/2009 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 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 checked="" 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 type="checkbox"/> Fuel cells <input checked="" 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 checked="" type="checkbox"/> Industrial processing <input type="checkbox"/> Industries of the future <input checked="" type="checkbox"/> Lighting ** <input type="checkbox"/> Low-income Weatherization <input checked="" 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 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 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 : 98,128.00 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: EE00097)

Market Title: Commercial/Industrial Loans and Grants

Through this initiative, MEA would offer a low interest revolving loan program to commercial and industrial customers to help finance the cost of energy efficiency projects. MEA is also planning on offering a grant program designed to encourage deployment of commercial energy efficiency technologies that are proven but have limited commercial market shares.

Commercial/Industrial Loans and Grants

As directed by the EmPOWER Maryland legislation, the Maryland electric utilities are going to be offering energy efficiency and demand response programs for commercial and industrial (C&I) electric customers. The EmPOWER Maryland program offerings will provide incentives for C&I customers to encourage investment in energy efficiency measures. MEA envisions that the C&I loan program will primarily be used to provide financing for energy efficiency projects identified by the Maryland electric utilities through their EmPOWER Maryland program offerings.

The commercial/industrial loan program will primarily be used to provide financing to projects identified through the EmPOWER Maryland efforts. Under EmPOWER Maryland, the following types of energy efficiency measures have been proposed and have been approved as utility C&I programs: lighting, HVAC, motors, drives, and building recommissioning. MEA anticipates providing funding through the C&I programs for these approved EmPOWER program types, but will also accept proposals for C&I energy efficiency projects outside the scope of the EmPOWER Maryland programs.

All loans and grants under this market title will be limited to energy efficiency measures relating to lighting, HVAC, motors, drives, building recommissioning in existing commercial and industrial facilities, or other activities that can be categorically excluded from NEPA review as a matter of course (in the absence of extraordinary circumstances) as described on pages 2-4 of DOE's SEP and EECBG Guidance.

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Estimated number of participants for grants	10
2	Estimated number of participants of loans	65

8. Standard metrics (required)**

JOB METRICS		Planned
Job Creation		
Jobs created through Recovery Act funds		
Jobs created		76

9. Specific metric activity (required)**

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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: EE00097)

Market Title: Commercial/Industrial Loans and Grants

SPECIFIC METRICS	Planned
Loans and Grants	
Loans given	
Number of loans	65
Total monetary value of loans	6,000,000
Loans and Grants	
Grants given	
Number of grants	10
Total monetary value of grants	1,000,000

10. User specified metrics (optional)*

METRICS	Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
DOE	\$7,000,000.00
Market Budget Total	\$7,000,000.00
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: EE00097)

Market Title: EmPOWERing Financing (EF) Initiative

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: MD

3. Program Year: 2009

Date Start: 04/20/2009 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 ** <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 checked="" 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 checked="" 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 checked="" type="checkbox"/> Public information <input 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 checked="" type="checkbox"/> Solar power <input type="checkbox"/> State energy strategic plans <input type="checkbox"/> Telecommuting <input checked="" type="checkbox"/> Thermal ** <input type="checkbox"/> Traffic signals <input type="checkbox"/> Transmission and infrastructure reliability <input type="checkbox"/> Transportation alternatives <input checked="" type="checkbox"/> Waste management and recycling <input checked="" type="checkbox"/> Water systems <input checked="" type="checkbox"/> Wind energy
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5. Estimated Annual Energy Savings : 70,082.00 MBtus

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

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(08/05)

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

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

(Grant Number: EE00097)

Market Title: EmPOWERing Financing (EF) Initiative

Building on Annapolis EZ and other similar models, the EmPOWERing Financing initiative will leverage public funds with private capital to offer local governments a voluntary clean energy loan program for their residential and commercial property owners. Property owners will be able to finance the energy efficient and renewable energy projects with low interest loans. Financing costs will be reduced by securing collection through municipal property system. Residential and commercial building efficiency projects, including measures such as insulation and air sealing, financed through this program will be required to reduce annual energy consumption by at least 20 percent.

EmPOWERing Financing Initiative

MEA will use SEP funds to 1) implement an energy efficiency loan “program in a box” that is readily deployable to Maryland counties and municipalities eager to promote commercially available energy efficiency and renewable energy projects in their jurisdictions, and 2) provide seed financing for a pilot program to generate public- private investment and collaboration.

More specifically, MEA will partner with a non-profit organization and fund the design of an energy efficiency loan program that interested counties and municipalities can adopt and customize to offer loans to residents interested in making commercially available energy efficiency improvements and renewable energy installations. The non-profit will conduct the program development activities with the assistance and guidance from MEA. Some key elements of this “program in a box” will be model local loan ordinances, sample standard contracts, and software for including loan repayment line-items on property or utility bills.

Once the program is developed, and the non-profit is prepared to administer a pilot program, MEA will use SEP funds as initial financing to make revolving loans and loan buy-downs for residential and commercial energy efficiency and renewable energy projects to attract private-sector investment.

During the 2009 session, the Maryland General Assembly passed and Governor Martin O'Malley signed into law legislation allowing counties and municipalities to enact this type of financing program. One county and one municipality in Maryland have already undertaken programs that feature on-bill financing. The goals of MEA's EmPOWERing Financing initiative are to encourage sustainable on-bill financing statewide and transform the market for home efficiency improvements and renewable energy projects.

SEP funds used as seed financing (and the private investments that will follow) will be lent to residential and commercial property owners (via participating local governments and the non-profit partner) for the implementation of commercially available efficiency improvements and renewable energy installations. Energy efficiency improvements, such as insulation and air sealing, and renewable projects, such as solar panels for electricity generation, will be made according to accredited energy audits and required to achieve demonstrable energy savings.

All activities under the EmPOWERing Financing Initiative will be limited to home efficiency projects, home renewable energy projects, commercial building efficiency projects and commercial building

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U.S. Department of Energy
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OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00097)

Market Title: EmPOWERing Financing (EF) Initiative

renewable energy projects that can be categorically excluded from NEPA review as a matter of course (in the absence of extraordinary circumstances) as described on pages 2-4 of DOE's SEP and EECBG Guidance.

MEA's EmPOWERing Financing initiative is "voluntary" in two respects. First, only local governments (e.g., municipalities and counties) that wish to implement the "program in a box" and provide an innovative financing option for energy projects for residents will be involved. Second, only residents within a participating local government's jurisdiction who wish to finance an energy efficiency improvement or renewable energy project using the EmPOWERing Financing option will be affected.

While depending somewhat on the participating local government's prerogatives, "municipal property system" refers to the on-bill loan repayment structure, which could be tied to property tax bills or water utility bills.

Private institutions that participate in the EmPOWERing Financing initiative will be, for example, banks and investors seeking to promote energy efficiency and renewable energy and receive lower-risk returns on loans to qualified borrowers. Some benefits these private institutions will likely realize include lower-risk market-rate returns on capital, portfolio diversification, and goodwill from making environmentally-sound investments in the future sustainability of their state and communities.

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Estimated number of participants for grant (State entity to establish loan program)	1
2	Estimated number of participants for loans	1,360

8. Standard metrics (required)**

JOB METRICS		Planned
Job Creation		
Jobs created through Recovery Act funds		
Jobs created		43

9. Specific metric activity (required)**

SPECIFIC METRICS		Planned
Loans and Grants		
Loans given		
Number of loans		1,360
Total monetary value of loans		2,000,000
Loans and Grants		
Grants given		
Number of grants		1
Total monetary value of grants		2,000,000

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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: EE00097)

Market Title: EmPOWERing Financing (EF) Initiative

10. User specified metrics (optional)*

METRICS	Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
DOE	\$4,000,000.00
Market Budget Total	\$4,000,000.00
b. Leveraged funds anticipated (outside approved budget)	
Other	\$4,000,000.00

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: EE00097)

Market Title: Grants to Promote Mid-size Renewables at Private and Government Buildings

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: MD

3. Program Year: 2009

Date Start: 04/20/2009 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 ** <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 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 checked="" type="checkbox"/> Geothermal <input checked="" 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 checked="" 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 type="checkbox"/> Rating and labeling <input type="checkbox"/> Rebuild America <input type="checkbox"/> Residential buildings <input type="checkbox"/> Right turn on red ** <input checked="" 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 : 44,051.00 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: EE00097)

Market Title: Grants to Promote Mid-size Renewables at Private and Government Buildings

Program funds will be divided between renewable energy grants for private buildings and renewable energy grants for state government buildings. Grants to private entities will be offered in three categories:

- Mid-scale solar photovoltaic electricity generation
- Large solar hot-water installations.
- Mid-size wind electricity generation systems for powering agricultural facilities, WWTPs and communities.

Funds will be designated to promote mid-size renewable energy at state government buildings will be allocated in grant form to finance the purchase of renewable energy through a power purchase agreement. The funds will cover a portion of the cost of renewable equipment for state government buildings.

Grants under this program will be limited to installations of solar hot-water systems on existing facilities, installations of commercially available renewable technologies (solar-electric (PV) systems, geothermal heat pumps, and wind energy systems) on existing buildings, and other installations of renewable energy systems on existing private and government buildings that can be categorically excluded from NEPA review as a matter of course (in the absences of extraordinary circumstances) as described on pages 2-4 of DOE's SEP and EECBG Guidance.

7. Program Year Milestones* :

	Milestone	Planned (Number)
1	Estimated number of private grant participants	75

8. Standard metrics (required)**

JOB METRICS		Planned
Job Creation		
Jobs created through Recovery Act funds		
Jobs created		38

9. Specific metric activity (required)**

SPECIFIC METRICS		Planned
Loans and Grants		
Grants given		
Number of grants		75
Total monetary value of grants		3,500,000

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: EE00097)

Market Title: Grants to Promote Mid-size Renewables at Private and Government Buildings

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
DOE	\$3,500,000.00
Market Budget Total	\$3,500,000.00
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: EE00097)

Market Title: Multi-Family Housing Retrofits for Low and Moderate Income Families

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: MD

3. Program Year: 2009

Date Start: 04/20/2009 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 checked="" 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 checked="" 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 checked="" 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 : 117,025.00 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: EE00097)

Market Title: Multi-Family Housing Retrofits for Low and Moderate Income Families

Multi-Family Housing Retrofits for Low and Moderate Income Families:

MEA is partnering with the Maryland Department of Housing and Community Development (DHCD) to pay for the energy efficiency measures at buildings that DHCD is retrofitting. Measures will include energy audits, weatherization services, and energy efficiency equipment (HVAC, appliances, windows, and other commercially available measures). Some of the buildings DHCD intends to upgrade will need to be demolished and rebuilt. All multi-family housing retrofit program activities will be limited to (1) those that can be categorically excluded from NEPA review as a matter of course (in the absence of extraordinary circumstances) as described on pages 2-4 of DOE's Guidance on NEPA Issues for DOE's State Energy Program Grants and Energy Efficiency and Conservations Block Grants (herein after "DOE's SEP and EECBG Guidance"); or (2), as to energy efficiency measures on buildings that need to be demolished and rebuilt, to new buildings that already undergone a Federal HUD NEPA review, including the issuance of a Finding of No Significant Impact or a Record of Decision. All multi-family housing program activities on new buildings funded under this market title will occur at new buildings constructed on the site(s) of previous multi-family housing units or at new buildings that have undergone a Federal HUD NEPA review (or both).

MEA will provide a grant opportunity for building owners or developers of buildings with significant populations of low and moderate income tenants to work with MEA's project management team. The project management team will manage the construction/retrofit of the building and provide technical assistance to ensure that energy-efficient products and techniques are utilized throughout all the phases of the construction/retrofit process. This team, in addition to providing project management and technical assistance to the project, will also be authorized to offer cash subsidies for a portion of the incremental cost of more expensive, higher efficiency products. Pertaining to Section 420.18 of Federal Regulations Title 10-Chapter 11, in the event that MEA SEP ARRA funds go toward new construction projects that has a current environmental assessment (EA) and Finding of No Significant Impact, no MEA SEP ARRA funds will be used to fund the actual construction of a building. Rather, the MEA funds will be used for project management, technical assistance, and to pay for a portion of the incremental cost of energy-efficient products and their installation.

The grant incentive for the building owners and/or developers to participate in this program is that MEA will pay for the project management, technical assistance, and a portion of the incremental cost of the energy efficiency improvements. MEA's project management team will also conduct quality assurance on the building during and after it is retrofitted to ensure the improvements were installed correctly and had the intended effects.

Types of improvements covered under this grant program include: energy-efficient lighting and controls, HVAC equipment, building automation and control system upgrades, building envelope improvements including air sealing and insulation, and training for multifamily building operators. This program may also allow for the purchase and installation of solar water-heating systems, solar-electric (PV) systems, geothermal heat pumps, and wind energy systems renewable energy products to be installed on a select number of buildings as demonstration projects. The target energy savings for each multifamily building project will be a reduction of 25 percent from what the building would have

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(08/05)

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(Grant Number: EE00097)

Market Title: Multi-Family Housing Retrofits for Low and Moderate Income Families

used without the improvements.

MEA will work with the Maryland Department of Housing and Community Development (DHCD) and utilities to obtain referrals to this program. DHCD conducts periodic requests for proposals from multifamily building owners or developers looking to obtain financing for projects that provide housing to low and moderate income tenants. MEA will work with DHCD to provide additional funds and/or assistance in making these projects more energy efficient. MEA may also accept referrals from the utilities which offer energy efficiency programs to customers, but cannot fully satisfy multifamily buildings.

It is hoped that MEA's efforts within the multifamily building sector will lead to transforming the market to make new construction and retrofits more energy-efficient by providing project management and technical assistance on best practices and making the importance of these activities obvious to building owners and developers.

7. Program Year Milestones* :

Milestone	Planned (Number)
1 Estimated number of participants	2,750

8. Standard metrics (required)**

JOB METRICS	Planned
Job Creation	
Jobs created through Recovery Act funds	
Jobs created	106

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Building Retrofits	
Buildings retrofitted, by sector	
Buildings retrofitted (Residential)	2,750
Square footage retrofitted (Residential)	2,478,780

10. User specified metrics (optional)*

METRICS	Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
DOE	\$9,686,885.00
Market Budget Total	\$9,686,885.00

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(08/05)

U.S. Department of Energy
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OMB: Control No. 1910-5126
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(Grant Number: EE00097)

Market Title: Multi-Family Housing Retrofits for Low and Moderate Income Families

b. Leveraged funds anticipated (outside approved budget)	
Other	\$4,400,000.00
Utility companies	\$632,500.00

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(08/05)

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

(Grant Number: EE00097)

Market Title: State Agency Loans Program

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: MD

3. Program Year: 2009

Date Start: 04/20/2009 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 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input checked="" 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 checked="" 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 : 126,618.00 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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OMB: Control No. 1910-5126
Expiration Date: 06/30/08

(Grant Number: EE00097)

Market Title: State Agency Loans Program

To lead by example, MEA plans to expand the State Agency Loan Program (SALP), which provides zero interest loans to state agencies for energy efficiency projects and renewable energy system installations.

All activities funded through the State Agency loan Program will be limited to projects that can be categorically excluded from NEPA review as a matter of course (in the absence of extraordinary circumstances) as described on pages 2-4 of DOE's SEP and EECBG Guidance.

Maryland has operated the State Agency Loan Program (SALP) since 1991 using funds from the Energy Overcharge Restitution Fund (EORF). SALP is a revolving loan fund that allows state agencies to borrow money from MEA for energy efficiency projects. The majority of State Agency Loan Program funds are used to help finance energy performance contracting (EPC) projects, but funds are also available for installing renewable energy systems on existing buildings. By allowing state agencies to borrow money through SALP, agencies are able to invest in energy efficiency and renewable measures that they may not be able to justify if they were using another financing mechanism. This program helps the State achieve enable energy efficiency projects in the State of Maryland.

As stated above, the majority of SALP funds are directed toward energy performance contracting (EPC) projects, with funds also available for renewable energy systems. Historically, EPC projects have focused on energy efficiency measures related to lighting, HVAC, steam systems, and building envelope. MEA plans on continuing to allow these types of measures, as well as renewable energy systems including solar water heating systems, solar-electric (PV) systems, geothermal heat pumps, and wind energy systems on existing buildings, to be funded through SALP in the future.

SALP will be limited to energy efficiency measures and loans for solar water heating systems, solar-electric (PV) systems, geothermal heat pumps, and wind energy systems on existing state buildings. All program activities of SALP will be limited to those that can be categorically excluded from NEPA review as a matter of course (in the absence of extraordinary circumstances) as described on pages 2-4 of DOE's SEP and EECBG Guidance.

7. Program Year Milestones* :

Milestone	Planned (Number)
1 Estimated number of participants	23

8. Standard metrics (required)**

JOB METRICS	Planned
Job Creation	
Jobs created through Recovery Act funds	
Jobs created	87

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(08/05)

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(Grant Number: EE00097)

Market Title: State Agency Loans Program

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Loans and Grants	
Loans given	
Number of loans	0
Total monetary value of loans	0

10. User specified metrics (optional)*

METRICS	Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
DOE	\$8,000,000.00
Market Budget Total	\$8,000,000.00
b. Leveraged funds anticipated (outside approved budget)	

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

State Plan - Master File Worksheet

State: Program Year:

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)

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

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

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

5. **10% energy efficiency improvement by 2000** (10 CFR 420.13.b.3)
5. **25% or more improvement in the efficiency of use of energy by 2012** (1990 baseline)

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

7. **Environmental Impact** (10CFR 420.13.b.5)

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

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

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

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

12. **Monitoring Approach** (Annual SEP Guidance)