

Opportunity Title:	Recovery: State Energy Efficient Appliance Rebate Progr
Offering Agency:	Idaho Field Office
CFDA Number:	81.127
CFDA Description:	Energy Efficient Appliance Rebate Program
Opportunity Number:	DE-FOA-0000119
Competition ID:	
Opportunity Open Date:	07/14/2009
Opportunity Close Date:	10/15/2009
Agency Contact:	Jeff Fogg Contract Specialist E-mail: foggjc@id.doe.gov Phone: 208-526-4958

This electronic grants application is intended to be used to apply for the specific Federal funding opportunity referenced here.

If the Federal funding opportunity listed is not the opportunity for which you want to apply, close this application package by clicking on the "Cancel!" button at the top of this screen. You will then need to locate the correct Federal funding opportunity, download its application and then apply.

This opportunity is only open to organizations, applicants who are submitting grant applications on behalf of a company, state, local or tribal government, academia, or other type of organization.

* Application Filing Name:

Mandatory Documents

Move Form to Complete

Move Form to Delete

Mandatory Documents for Submission

Application for Federal Assistance (SF-424)
Project/Performance Site Location(s)
Other Attachments Form

Optional Documents

Disclosure of Lobbying Activities (SF-LLL)

Move Form to Submission List

Move Form to Delete

Optional Documents for Submission

Instructions

- 1** Enter a name for the application in the Application Filing Name field.

 - This application can be completed in its entirety offline; however, you will need to login to the Grants.gov website during the submission process.
 - You can save your application at any time by clicking the "Save" button at the top of your screen.
 - The "Save & Submit" button will not be functional until all required data fields in the application are completed and you clicked on the "Check Package for Errors" button and confirmed all data required data fields are completed.

- 2** Open and complete all of the documents listed in the "Mandatory Documents" box. Complete the SF-424 form first.

 - It is recommended that the SF-424 form be the first form completed for the application package. Data entered on the SF-424 will populate data fields in other mandatory and optional forms and the user cannot enter data in these fields.
 - The forms listed in the "Mandatory Documents" box and "Optional Documents" may be predefined forms, such as SF-424, forms where a document needs to be attached, such as the Project Narrative or a combination of both. "Mandatory Documents" are required for this application. "Optional Documents" can be used to provide additional support for this application or may be required for specific types of grant activity. Reference the application package instructions for more information regarding "Optional Documents".
 - To open and complete a form, simply click on the form's name to select the item and then click on the => button. This will move the document to the appropriate "Documents for Submission" box and the form will be automatically added to your application package. To view the form, scroll down the screen or select the form name and click on the "Open Form" button to begin completing the required data fields. To remove a form/document from the "Documents for Submission" box, click the document name to select it, and then click the <= button. This will return the form/document to the "Mandatory Documents" or "Optional Documents" box.
 - All documents listed in the "Mandatory Documents" box must be moved to the "Mandatory Documents for Submission" box. When you open a required form, the fields which must be completed are highlighted in yellow with a red border. Optional fields and completed fields are displayed in white. If you enter invalid or incomplete information in a field, you will receive an error message.

- 3** Click the "Save & Submit" button to submit your application to Grants.gov.

 - Once you have properly completed all required documents and attached any required or optional documentation, save the completed application by clicking on the "Save" button.
 - Click on the "Check Package for Errors" button to ensure that you have completed all required data fields. Correct any errors or if none are found, save the application package.
 - The "Save & Submit" button will become active; click on the "Save & Submit" button to begin the application submission process.
 - You will be taken to the applicant login page to enter your Grants.gov username and password. Follow all onscreen instructions for submission.

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): <input type="text"/> * Other (Specify) <input type="text"/>
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* 3. Date Received: <input type="text" value="Completed by Grants.gov upon submission."/>	4. Applicant Identifier: <input type="text"/>
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5a. Federal Entity Identifier: <input type="text"/>	* 5b. Federal Award Identifier: <input type="text"/>
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State Use Only:

6. Date Received by State: <input type="text"/>	7. State Application Identifier: <input type="text"/>
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8. APPLICANT INFORMATION:

* a. Legal Name: <input type="text" value="Connecticut Office of Policy and Management"/>		
* b. Employer/Taxpayer Identification Number (EIN/TIN): <input type="text" value="066000798"/>	* c. Organizational DUNS: <input type="text" value="807853015"/>	

d. Address:

* Street1:	<input type="text" value="450 Capitol Avenue, MS 52ENR"/>
Street2:	<input type="text"/>
* City:	<input type="text" value="Hartford"/>
County:	<input type="text" value="Hartford"/>
* State:	<input type="text" value="CT: Connecticut"/>
Province:	<input type="text"/>
* Country:	<input type="text" value="USA: UNITED STATES"/>
* Zip / Postal Code:	<input type="text" value="06106-1379"/>

e. Organizational Unit:

Department Name: <input type="text" value="Office of Policy and Managemen"/>	Division Name: <input type="text" value="Policy Development and Plannin"/>
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f. Name and contact information of person to be contacted on matters involving this application:

Prefix: <input type="text" value="Ms."/>	* First Name: <input type="text" value="Maraide"/>
Middle Name: <input type="text"/>	
* Last Name: <input type="text" value="Sullivan"/>	
Suffix: <input type="text"/>	

Title: <input type="text" value="Purchase of Service Policy Manager"/>

Organizational Affiliation: <input type="text"/>
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* Telephone Number: <input type="text" value="860-418-6371"/>	Fax Number: <input type="text" value="860-418-6495"/>
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* Email: <input type="text" value="maraide.sullivan@ct.gov"/>
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Application for Federal Assistance SF-424

Version 02

9. Type of Applicant 1: Select Applicant Type:

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

Idaho Field Office

11. Catalog of Federal Domestic Assistance Number:

81.127

CFDA Title:

Energy Efficient Appliance Rebate Program

*** 12. Funding Opportunity Number:**

DE-FOA-0000119

* Title:

Recovery: State Energy Efficient Appliance Rebate Program (SEEARP)

13. Competition Identification Number:

Title:

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

Statewide

*** 15. Descriptive Title of Applicant's Project:**

Consumer Appliance Rebate Program-ARRA

Attach supporting documents as specified in agency instructions.

Application for Federal Assistance SF-424 Version 02

16. Congressional Districts Of:
* a. Applicant * b. Program/Project

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

17. Proposed Project:
* a. Start Date: * b. End Date:

18. Estimated Funding (\$):

* a. Federal	<input type="text" value="3,359,000.00"/>
* b. Applicant	<input type="text" value="40,000.00"/>
* c. State	<input type="text"/>
* d. Local	<input type="text"/>
* e. Other	<input type="text" value="300,000.00"/>
* f. Program Income	<input type="text"/>
* g. TOTAL	<input type="text" value="3,699,000.00"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**
 a. This application was made available to the State under the Executive Order 12372 Process for review on .
 b. Program is subject to E.O. 12372 but has not been selected by the State for review.
 c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)**
 Yes 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:
Middle Name:
* Last Name:
Suffix:
* Title:
* Telephone Number: Fax Number:
* Email:
* Signature of Authorized Representative: * Date Signed:

Application for Federal Assistance SF-424

Version 02

*** Applicant Federal Debt Delinquency Explanation**

The following field should contain an explanation if the Applicant organization 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.

[Empty text input area for Applicant Federal Debt Delinquency Explanation]

Other Attachment File(s)

* Mandatory Other Attachment Filename:

To add more "Other Attachment" attachments, please use the attachment buttons below.

Project/Performance Site Location(s)

Project/Performance Site Primary Location

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name:

DUNS Number:

* Street1:

Street2:

* City: County:

* State:

Province:

* Country:

* ZIP / Postal Code: * Project/ Performance Site Congressional District:

Project/Performance Site Location 1

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name:

DUNS Number:

* Street1:

Street2:

* City: County:

* State:

Province:

* Country:

* ZIP / Postal Code: * Project/ Performance Site Congressional District:

State Energy Efficient Appliance Rebate Program Program Plan Narrative – CONNECTICUT

Executive Summary

Program Summary.

The State of Connecticut Office of Policy and Management (OPM) proposes to partner with the three utility companies to assist in the implementation of this program. These companies are experienced in managing ENERGY STAR appliance rebate programs; in fact all currently have rebate programs in place.

OPM will provide program oversight, but each utility company would be the “go-to” location for residential customers in their respective service territories. Each utility company will provide “in-kind” administrative support, which in combination with the OPM administrative oversight costs would reach the required 50% of total administrative costs. We anticipate a total administrative cost of \$680,000. The federal grant would provide \$340,000 and the utilities and State combined would provide an additional \$340,000.

The utilities will utilize their existing rebate clearing house (all three entities use the same clearing house) to receive and process SEEARP rebates. Consumers will be required to submit rebate application forms within 30 days AFTER their purchase has been made, and independent of the retailer involved.

OPM intends to launch the appliance rebate program in mid-December through February if the

DOE approves the application in a timely manner (Phase 1). Based on available resources, the appliance rebate program will run again for the months of April/May (Phase II). (Room and central air conditioners will be promoted at this time.) If there are still funds available, the rebate program will run again in July (Phase III).

By having limited, pre-determined time periods, the utility companies and retailers will be able to plan more efficiently regarding promotion and inventory. It will also allow OPM to periodically reassess remaining funds and program progress. We do not want to be in the position where we can't meet the rebate commitments. Connecticut consumers will also benefit directly by owning appliances that are more energy efficient. The State (and ratepayers) will benefit by an overall reduction of peak loading.

Outline your specific program objectives in Table 1. All savings numbers should be calculated using the Program Planning Excel Spreadsheet tool.

Table 1. Program Objectives	
Program Objective	Target Value
Total Number of Rebates Paid	42,868
Total Number of Appliances Replaced	42,439
Total Number of Appliances Recycled	36,938
Total Annual Energy Savings (kWh)	4,021,745
Total Annual Energy Savings (Therms)	49,799
Total Annual Water Savings (gallons)	82,672,296
Total Annual CO ₂ Reductions (lbs)	6,020,886
Jobs Created*	37

** DOE is waiting for specific OMB guidance on how to quantify jobs created for reporting purposes. In the meantime, the general guidance is that every \$92,000 expended leads to one "job created."*

Enter a comprehensive timeline with key milestones for your program in Table 2. When will key decisions be made? When will the program be announced? How long will it last? Please add your own milestones as needed.

Table 2. Program Timeline and Milestones	
Program Milestones	Target Date
Hold planning meetings with utility companies	September 14-30
Utility companies submit memo of understanding	October 1, 2009
Submit application to DOE	October 14, 2009
Utility companies and OPM develop rebate process and forms	October 21, 2009
OPM and Utility companies announce rebate program	November 16, 2009
OPM and Utility companies promote program via: Utility mailings State of CT and Utility company websites PR efforts Retailers promote program in circulars and other forms of marketing	November 16- December 31, 2009
Program Launch, Phase I	December 15, 2009
End of Phase I	February 28, 2010

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Table 2. Program Timeline and Milestones (Continued)

Program Milestones	Target Date
Phase II (dependent upon adequate \$ resources)	April 1, 2010
End of Phase II	May 31, 2010
Phase III (If funding remains)	July 1, 2010

I. Program Overview

Please populate the Program Planning Excel Spreadsheet before completing this section. All data in the tables below should correspond with the data in the Excel spreadsheet. Please include an estimate of the total number of appliances that will be recycled through your program, where applicable.

Table 3. Rebate Detail

Products to be Rebated	Rebate Level (\$)	Targeted Quantity	Total Cost	Targeted # of Products Recycled
Refrigerators	\$50	18,113	\$905,650	14,990
Clothes Washers	\$100	12,076	\$1,207,600	12,076
Freezers	\$50	3,020	\$151,000	2,929
Room Air Conditioners	\$50	9,055	\$452,750	6,339
Central A/C	\$500	604	\$302,000	604
	\$		\$	
Total Rebates		42,868	\$3,019,000	36,938

II. Explanation of Covered Products

If all of the State’s proposed products are from the recommended list included in the FOA, then no additional explanation is needed. You can skip to the next section. If other ENERGY STAR qualified products or cold-climate products are proposed, then you must provide a

justification for each product. Data for these additional products must also be included in the Program Planning Excel Spreadsheet.

Justification for ENERGY STAR or cold-climate appliances not on the recommended list.

For each product selected, explain why it will provide significant benefits in your State/Territory, the annual per-unit energy savings, estimated annual sales of product in your State (market share), and price difference between the proposed product and the standard efficiency alternative. Include any other explanation you feel justifies the inclusion of this product in your program.

Product:

Annual per-unit Energy Savings:

Estimated Sales or Market Share in your State:

Price Difference:

Explanation on how this product benefits your State:

III. Integrating SEEARP Rebates with Existing State or Utility Incentives

States must design their SEEARP rebates to complement existing State or utility incentives available to local residents. In addition, States must ensure that the ARRA funds supplement and do not supplant current efforts. In the table below, please note for each product you propose to rebate whether there are any current (or planned) State rebates or tax credits, or any utility rebate programs. Please base this on what is planned for 2010-2011.

Table 4. Overlap with Existing Incentives		
Products to be Rebated	Other State Rebate or Tax Incentive Available? (Yes / No)	Utility Rebates Available? (Yes / No)
Refrigerator	No	Yes
Clothes Washer	No	Yes
Freezer	No	Yes
Room Air Conditioner	No	No* (except for CMEEC)
Central A/C, Heat Pump	No	Yes

For those products where there will be other rebates or incentives available, please list each of the individual programs in the table below. Complete one table for each applicable product. You do not need to list utility programs offered for products you will not be rebating. Include the name of the sponsoring organization (i.e., the utility or other program sponsor), the efficiency level being used (such as ENERGY STAR), the rebate amount, when the program will be in operation, and budgeted number of rebates if known. Then explain how the State’s proposed

rebate level is designed to complement these other efforts. Some possible explanations are noted below. You can copy the table as many times as needed.

Product 1: Refrigerators				
Program Sponsor	Efficiency Level	Rebate Amount	When Available	Budgeted Quantity Of Rebates
United Illuminating Co.	Energy Star	\$50 /\$100 if used within 45 days of energy audit	Available through Home Energy Solutions Energy Audit Program (ongoing)	
Connecticut Light & Power	Energy Star	\$50 /\$100 if used within 45 days of energy audit	Available through Home Energy Solutions Energy Audit Program (ongoing)	
Connecticut Municipal Electric Energy Cooperative	Energy Star	\$60	Through 12/31/09, may be extended for one year	
How does State's Proposal Complement these Programs? (Check all that apply)				
X	Layering on top of existing rebates to increase total incentive payment to consumers.			
	Directing State rebate to products at a different or higher efficiency level.			
X	Extending the availability (i.e., the quantity) of existing planned rebates.			
	Other (Please explain)			

Product 2: Freezers				
Program Sponsor	Efficiency Level	Rebate Amount	When Available	Budgeted Quantity Of Rebates
United Illuminating Co.	Energy Star	\$25/\$50 if used within 45 days of energy	Available through Home Energy Solutions Energy Audit	

		audit	Program (ongoing)	
Connecticut Light & Power	Energy Star	\$25/\$50 if used within 45 days of energy audit	Available through Home Energy Solutions Energy Audit Program (ongoing)	
Connecticut Municipal Electric Energy Cooperative	Energy Star	\$60	Through 12/31/09, may be extended for one year	
How does State's Proposal Complement these Programs? (Check all that apply)				
X	Layering on top of existing rebates to increase total incentive payment to consumers.			
	Directing State rebate to products at a different or higher efficiency level.			
X	Extending the availability (i.e., the quantity) of existing planned rebates.			
	Other (Please Explain)			

Product 3: Clothes Washers				
Program Sponsor	Efficiency Level	Rebate Amount	When Available	Budgeted Quantity Of Rebates
United Illuminating Co.	Energy Star	\$50/\$100 if used within 45 days of energy audit	Available through Home Energy Solutions Energy Audit Program (ongoing)	
Connecticut Light & Power	Energy Star	\$50/\$100 if used within 45 days of energy audit	Available through Home Energy Solutions Energy Audit Program (ongoing)	
CT Municipal Electric Energy	Energy Star	\$60	Through	

Cooperative			12/31/09, may be extended for one year	
How does State's Proposal Complement these Programs? (Check all that apply)				
	Layering on top of existing rebates to increase total incentive payment to consumers.			
X	Directing State rebate to products at a different or higher efficiency level. To CEE-Tier 2			
X	Extending the availability (i.e., the quantity) of existing planned rebates.			
	Other (Please Explain)			

Product 4: Room Air Conditioners/Heat Pumps				
Program Sponsor	Efficiency Level	Rebate Amount	When Available	Budgeted Quantity Of Rebates
CT Municipal Electric Energy Cooperative	Energy Star	\$50	Through 12/31/09, may be extended for one year	
How does State's Proposal Complement these Programs? (Check all that apply)				
X	Layering on top of existing rebates to increase total incentive payment to consumers. (for CT Municipal Electric Energy Cooperative only)			
	Directing State rebate to products at a different or higher efficiency level.			
	Extending the availability (i.e., the quantity) of existing planned rebates.			
X	Other (Please Explain) In United Illuminating and Conn. Light & Power territories, this will be a new product for which rebates will be offered			

Product 5: Central Air Conditioners (inc. Split systems, Heat pumps, Ductless systems)				
Program Sponsor	Efficiency Level	Rebate Amount	When Available	Budgeted Quantity Of Rebates
United Illuminating Co.	Energy Star	\$500/\$1,000 if used within 45 days of	Available through Home Energy Solutions	

		energy audit	Energy Audit Program (ongoing)	
Connecticut Light & Power	Energy Star	\$500/\$1,000 if used within 45 days of energy audit	Available through Home Energy Solutions Energy Audit Program (ongoing)	
CT Municipal Electric Energy Cooperative	Energy Star	Tier 1- \$200/ton Tier 2- \$300/ton	Through 12/31/09, may be extended for one year	
How does State's Proposal Complement these Programs? (Check all that apply)				
X	Layering on top of existing rebates to increase total incentive payment to consumers. – (For CT Municipal Electric Energy Cooperative only)			
X	Directing State rebate to products at a different or higher efficiency level: AHRI Rated CEE Tier 2 (for United Illuminating and CL&P only)			
	Extending the availability (i.e., the quantity) of existing planned rebates.			
	Other (Please Explain)			

IV. Program Implementation Strategy

A. Program Delivery – Roles and Responsibilities

The State of Connecticut Office of Policy and Management (OPM) will provide overall program oversight and management. Existing staff resources will be assigned to work with the utility partners, respond to consumer inquiries, and interface with DOE on the progress of the program. OPM will be responsible for all required federal reporting.

Each utility company will be the “go-to” location for residential customers in their respective service territories. The territory of the three utility entities covers the entire state, so this will ensure that all residents can participate. The utility company partners will be responsible for day-to-day program administration. Using their existing infrastructure and resources, the program application and rebate processing will be their direct responsibility. Each utility partner will collect and report on a monthly basis, data regarding rebates paid. OPM will reimburse the utility partners for rebates paid as well as a per rebate administrative fee.

B. Program Partners

The Program Partners include the following three utility companies: Connecticut Light and Power (CL&P), Connecticut Municipal Electric Energy Cooperative (CMEEC) and United Illuminating (UI). All three entities utilize Energy Federation Inc. (EFI) as the processing house for their rebates, and will utilize them for ARRA rebates also.

C. Rebate Processing

Rebates under this program shall be “post consumer purchase”, that is consumers may apply for a rebate only after they have purchased and received an eligible appliance. Rebate applications will be available at the point of sale (retailer locations), online at the utility partner websites, online at the State’s energy information websites, or by calling the local utility company.

Consumers must send in their rebate application with all required documentation, postmarked within 30 days of purchase, to the address as indicated on the application. Rebate applications will be processed using the pre-existing agreement that all three utility companies have with a rebate clearing house. Applications will be processed and paid on a first-come, first-served basis. Rebate application materials will make it clear that rebates will only be paid subject to availability of funds. Submittal of an application is not a guarantee of a rebate being paid.

The rebate amount will be sent to the consumer within 60 days of receipt of their application. The method of payment will be a check. The processing house will determine what utility is responsible for a particular customer, based on geographical location, and will bill the appropriate utility. The State will then reimburse the utility. It is intended that payments will be made on at least a monthly basis, but may be made more frequently as may be necessary.

The ARRA rebates will be tracked separately from other rebate programs and reported at least monthly to the State. Should consumers have inquiries or problems they will contact their local utility company. The utility companies and/or their subcontractor will be prepared with extra staff during the rebate promotion periods. The State, together with the utility companies will track the remaining budget to avoid oversubscription.

D. Program Eligibility Rules

This rebate offer is valid for residential CL&P, UI and CMEEC electric service customers. Appliances must be replaced and installed by a licensed contractor when applicable, in the service territory of the participating electric utility. This program covers appliances purchased, replaced and installed on or after December 15, 2009 through May 31, 2010 (or later, depending upon availability of funds). The application and documentation of purchase must be postmarked within thirty (30) days of purchase. Exact dates to be determined upon approval of Phases I and II. One rebate per appliance per household is permitted.

E. Product Replacement

The customer will sign an attestation that the purchased product is replacing an existing product. This will be a requirement placed on the rebate application. The consumer will be provided the application or notified of application availability at time of removal of old appliance and delivery of new appliance.

F. Product Recycling

The State will encourage consumers to properly recycle all appliances that have been replaced. Waste as a result of the appliance rebate program will be in the form of used appliances. Among the waste will be steel, plastic, glass, copper, and refrigerant. Most retailers in the state will take old appliances when the new one is delivered, and the major retailers have a third party recycling company that will recycle the usable materials.

The State already requires all retailers to recycle according to rules and regulations of the State of Connecticut. Accordingly any appliances with refrigerants or any other hazardous chemicals must be recycled and/or disposed of according to the requirements of the State of Connecticut Department of Environmental Protection. All appliances that are being replaced cannot be recycled for the use of any other consumer, resident and/or organization.

Individuals may also directly dispose of old appliances. Municipal transfer stations accept appliances for disposal. The appliance is removed from the transfer station by a disposal company for recycling of the refrigerant and recoverable materials, and disposal of materials that cannot be reused/recycled.

The State of Connecticut is asking its partners to encourage recycling to the greatest extent possible.

G. Marketing and Outreach

Within fourteen (14) days of application approval by DOE, the State will notify retailers regarding the appliances eligible for rebates and dates of promotions via press releases and direct contact, whenever possible.

The State will promote the rebate program and all eligibility requirements via press releases, website and earned media. The State expects that the utility company partners will promote to their customers via their websites, public relations department, customer billings and mailings. The State expects that the retailers will promote through advertisements, media buys and print materials. The State will provide ENERGY STAR contact information and materials when appropriate.

Status of Available Funding: By having limited, predetermined time periods (Phase I, II, etc.) the State will be able to monitor the level of funds remaining for rebates. Website information will be updated and press releases reissued as needed, to keep the public informed regarding remaining resources and when funds are nearly depleted.

Disclaimers for program materials and rebate applications will be developed by the utility companies and reviewed by the State of Connecticut, Office of Policy Management. Following are “draft” examples:

Limitation of Liability: The State of Connecticut, CL&P, UI and CMEEC’s liability is limited to paying the rebate incentive specified. The State of Connecticut, CL&P, UI and CMEEC are not liable for any consequential or incidental damages, or for any damages in tort connected with or resulting from participation in this program.

Tax Liability: The State of Connecticut, CL&P, UI and CMEEC will not be responsible for any tax liability that may be imposed on the Customer as a result of the payment of rebate incentives.

Endorsement: The State of Connecticut, CL&P, UI and CMEEC do not endorse any particular manufacturer, contractor, vendor, product, retailer or system design in promoting this program.

Warranties: The State of Connecticut, CL&P, UI and CMEEC DO NOT WARRANT THE PERFORMANCE OF INSTALLED AND/OR PURCHASED APPLIANCES AND/OR EQUIPMENT EXPRESSLY OR IMPLICITLY. The State of Connecticut, CL&P, UI and CMEEC make no warranties or representations of any kind whether statutory, expressed, or implied, including without limitations, warranties of merchantability or fitness for a particular purpose regarding the appliance or services provided by a manufacturer, contractor or vendor. Contact your Contractor or Retailer for details regarding appliance and/or equipment performance and warranties.

V. Oversight and Reporting

A. Oversight

The State of Connecticut Office of Policy and Management (OPM) will provide overall program oversight and management. Existing staff resources will be assigned to work with the utility partners, respond to consumer inquiries, and interface with DOE on the progress of the program. OPM will be responsible for all required federal reporting. OPM will reimburse the utility partners for rebates paid as well as a per rebate administrative fee.

The utility company partners will be responsible for day-to-day program administration. Using

their existing infrastructure and resources, the program application and rebate processing will be their direct responsibility. The utility companies have many years of experience to insure quality assurance and minimize fraud within the rebate disbursement process.

The State will receive monthly reports from the utility companies. Each utility partner will collect and report on a monthly basis, data regarding rebates paid. The reports will monitor the volume and dollar amounts of rebates processed from correctly completed applications that have been submitted. It is expected that because the rebate program will be promoted in “phases,” this will eliminate or curtail the potential of depleting available funding for the rebates within the designated promotion phase.

B. Progress Reporting

As outlined in the FOA, States are required to submit a progress report for all activities on a quarterly basis. **DOE will issue clarification shortly on any additional reporting requirements with specific Excel tools for ease of reporting.** States should plan staffing accordingly to accommodate monthly tracking of the metrics listed below, as well as potential Recovery Act reporting.

This reporting does not replace any additional reporting required under The American Recovery and Reinvestment Act of 2009, Pub. L. 111-5. Additional monitoring and reporting guidance will be forthcoming. Please refer to your FOA for detailed information.

Notes on Metrics:

Total # of State Rebates Paid

Although reporting will be quarterly, the State must track rebates paid monthly for each category of appliances selected.

Total # of other State/Utility Rebates Paid

Based on the listing of other State and utility programs in the State, as supplied in Section III., above, the State must report the rebates actually paid to consumers by other State or utility programs.

Total # of Appliances Recycled

Based on management of recycling as detailed in section F of the Program Implementation Strategy, explain how the State will collect information on appliances recycled by type over the reporting period.

Number of Jobs Created

For all project types, the number of jobs that are created or retained during the reporting period should be reported; each job should only be reported once. This number must be based on actual employees. If actual jobs cannot be verified, the state may propose its own methodology for estimating jobs; this methodology must be approved in advance.

Estimated Energy Saved and CO₂ emissions avoided

States are expected to provide the interim estimated benefits due to the rebates provided. This primarily takes the form of annual energy savings and CO₂ abatement due to activity in the period. For example, if 1000 rebates were delivered in the quarter, report the expected annual savings due to the appliances sold. The reporting framework will include an estimate calculation of kWh, BTU saved and CO₂ for each specific appliance. The State may report this value or values based on its own methodology, with justification and approval.

VI. Applicant Contact Information

State Program Contact One (Business Officer) (The person who is responsible for the day-to-day management, including progress reporting.):

Name and Title: Maraide Sullivan, Purchase of Services Program Manager
Agency: Connecticut Office of Policy and Management
Email: maraide.sullivan@ct.gov
Phone: 860-418-6371

State Program Contact Two:

Name and Title: John Ruckes, Planning Specialist
Agency: Connecticut Office of Policy and Management
Email: john.ruckes@ct.gov
Phone: 860-418-6384

State Single Point of Contact to Comply with Executive Order 12372 (FOA, page 13):

Name and Title: MaryAnn Palmarozza
Agency: Connecticut Office of Policy and Management
Email: maryann.palmarozza@ct.gov
Telephone: 860-418-6487

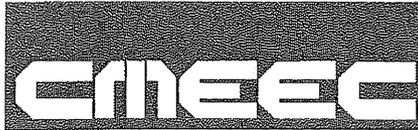
Website URL where the State application will post public communications:

<http://www.ct.gov/opm/cwp/view.asp?a=2994&q=437164>

Contact Information for each sub awardee (expand as needed):

Company	Contact Person	Email	Telephone Number	Website URL
Connecticut Light & Power	Ron Araujo	araujrj@nu.com	(860) 832-4972	www.cl-p.com
Connecticut Municipal Electric Energy Cooperative	Michael Cassella	mcassella@cmeeec.org	(860) 889-4088	www.cmeeec.com
United Illuminating Company	Pat McDonnell	pat.mcdonnell@uinet.com	(203) 499-2923	www.uinet.com

CONNECTICUT
MUNICIPAL ELECTRIC
ENERGY COOPERATIVE



30 Stott Avenue
Norwich, CT 06360-1526
860-889-4088 Fax 860-889-8158

October 8, 2009

Ms. Maraide Sullivan
CT Office of Policy and Management
450 Capitol Avenue, MS 52ENR
Hartford, CT 06106-1379

Dear Ms. Sullivan:

The Connecticut Municipal Electric Energy Cooperative as manager of appliance rebate programs in our service area, is pleased to offer a commitment of match in the amount of \$15,000 dollars to expand our rebate offers by helping the Office of Policy and Management (OPM) implement the ARRA-State Energy Efficiency Appliance Rebate Program (SEEARP). We are proposing \$10,560 dollars of in-kind administrative support and \$4,440 dollars of cash support.

To the extent possible The Connecticut Municipal Electric Energy Cooperative will assist the OPM with any conditions necessary to comply with the conditions of the SEEARP grant.

Very truly yours,

A handwritten signature in black ink, appearing to read "M. R. Scully", is written over a light blue horizontal line.

Maurice R. Scully
CEO

Serving Public Power in Connecticut

Groton
Utilities

Jewett City
Dept. of Public Utilities

Norwich Public
Utilities

Norwalk Third Taxing
District Electrical
Department

South Norwalk
Electric and Water

Town of Wallingford
Department of Public
Utilities



**Connecticut
Light & Power**

107 Selden Street, Berlin, CT 06037

The Connecticut Light and Power Company
P.O. Box 270
Hartford, CT 06141-0270
(860) 665-5000

October 8, 2009

Ms. Maraide Sullivan
CT Office of Policy and Management
450 Capitol Avenue, MS 52ENR
Hartford, CT 06106-1379

Dear Ms. Sullivan:

The Connecticut Light & Power Company (CL&P), as the operator of the appliance rebate programs in our service area that are funded through the Connecticut Energy Efficiency Fund, is pleased to offer a commitment of match in the amount of \$240,000 to expand our rebate offers by helping the Office of Policy and Management (OPM) implement the ARRA-State Energy Efficiency Appliance Rebate Program (SEEARP). We are proposing these dollars as a combination of in-kind administrative and cash support.

To the extent possible CL&P will assist OPM with any conditions necessary to comply with the conditions of the SEEARP grant.

Sincerely,

Ronald J. Araujo
Manager, Conservation & Load Management
The Connecticut Light & Power Company

The United Illuminating Company
157 Church Street
P.O. Box 1564
New Haven, CT 06506-0901
203.499.2000



October 7, 2009

Ms. Maraide Sullivan
State of Connecticut Office of Policy and Management
450 Capitol Avenue, MS 52ENR
Hartford, CT 06106-1379

Dear Ms. Sullivan:

The United Illuminating Company ("UI"), as the administrator of appliance rebate programs in its service area that are funded through the Connecticut Energy Efficiency Fund, is pleased to offer a commitment in the form of a match in an amount equal to \$45,000 in order to expand UI's existing rebate offers by helping the State of Connecticut Office of Policy and Management ("OPM") implement the American Reinvestment and Recovery Act-State Energy Efficiency Appliance Rebate Program ("SEEARP"). UI's \$45,000 commitment will be used for in-kind administrative support of the SEEARP.

To the extent possible, UI will assist the OPM with any conditions necessary for OPM to comply with conditions/requirements associated with the SEEARP.

Sincerely,

A handwritten signature in cursive script that reads "Patrick McDonnell".

Patrick McDonnell
Director of Conservation and Load Management

How to Use the Appliance Rebate Program Planning Tool for State and Territory Energy Offices

Version 1.0

September 9, 2009

The spreadsheet tool is being provided by the U.S. Department of Energy to help each State and Territory analyze program design options for its efforts under the State Energy-Efficient Appliance Rebate Program (SEEARP). The tool is divided into four tabs:

1. **Instructions:** Step-by-step information on how to use this tool.
2. **State Planning:** Interactive sheet to help a State define eligible products and rebate levels for its program.
3. **National Market Data:** Reference sheet that includes information on national sales, ENERGY STAR market share, rebate levels, per-unit energy savings, average lifetime, and Federal tax credits.
4. **Sources and Notes:** Explanations of data included on the other tabs.

The file is protected so that data can only be entered into certain cells. Cells with a yellow background are unlocked for entry by a State. Cells with a gray background are locked and numbers are automatically calculated based on the data entered in the yellow cells.

Using the State Planning Tab

This tab will enable a State to evaluate the costs and benefits of various combinations of products and rebate levels. Once finalized, the information in this sheet can be included in the Program Plan document submitted to the Department of Energy (DOE).

Step 1: Select Your State

Before doing anything else with this sheet, select your State or Territory from the drop-down list in Cell B3. The following information will then appear:

- Your State's total allocation of SEEARP funding (next to the drop-down list).
- Customized State-level sales projections in number of units (Column C). **Note that these are the total sales of products – both ENERGY STAR and non-ENERGY STAR.** See the Sources and Notes tab for information on how the values were calculated.
- Customized State-level annual savings per unit in kWh, natural gas therms, gallons of water, Btu, and CO₂ (Columns K, L, and M). See the Sources and Notes tab for information on how these were calculated.

Step 2: Identify Which Products are Already Covered by Existing Rebate Programs

Select "Yes" or "No" from the adjacent drop-down in Column E to identify for each product whether any rebates are offered by local utilities or through an existing State program. This information is simply to help a State determine if it is necessary to supplement existing efforts, and entering "Yes" or "No" will not affect the savings numbers calculated in the spreadsheet. The cell can be left blank for products that are not under consideration by the State.

Step 3: Enter Potential Rebate Levels and Quantities for Products of Interest

Start entering potential rebate levels (Column F) and targeted quantities (Column G) for those products you may include in your program. You should consider the estimated unit sales and national ENERGY STAR market share (Columns C and D) to predict targeted number of rebates in your State. You can consult the National Market Data tab to view typical rebates for each type of product.

view typical rebates for each type of product.

After potential rebate levels and target number of rebates have been entered, the following information will appear:

- The total rebate cost for each product (target number of rebates multiplied by the State rebate amount) will display in Column H.
- Customized total annual savings in kWh, natural gas therms, gallons of water, Btu, and CO2 in Columns N, O, P, Q, R, S, T, U, V, W, X, Y, Z. This is simply the per-unit annual savings from Columns I, J, K, L, and M multiplied by the targeted number of rebates.
- Customized total lifetime savings in kWh, natural gas therms, gallons of water, Btu, and CO2 in Columns AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ. This is the total expected annual savings multiplied by the average lifetime of the product in years.
- The overall totals (Row 35) will show the total number of rebates, the total rebate cost, and the total savings across the entire portfolio of rebates.

Including Products that are not on the Recommended List

If considering rebates for a product not on the recommended list of appliances included on this sheet, then you will need to enter all of the relevant data starting in Row 29.

For example, suppose your State wants to offer rebates for ENERGY STAR qualified TVs. Scroll down to Row 29 and enter the “Other product selected” with the name of the product category, which in this case is “Televisions.” In Column 29, enter the efficiency criteria that will be used to determine rebate eligibility. In this case, that would be “ENERGY STAR.” In Column 30, enter the State rebate amount, the Yes/No information on the existence of other rebates in the State, and target number of rebates. Continue filling in the other yellow cells until all information is entered.

Step 4: Compare Total Calculated Costs to Funding Allocation

The total cost of the rebates entered during Step 3 will display at the bottom of the sheet in Cell H35. You should also enter an estimate for the State’s share of program administration costs to Cell H36 to see a total estimated budget for the program (Cell H37).

Compare the total estimated program budget (Cell H37) to your funding allocation (Cell E3) to see how your plan compares to your available funds. You can try different combinations of potential products, rebate levels, and quantities to determine the best use of your available funds.

and Territory

territory analyze potential
(EEARP). The tool is

program.
AR market share, typical

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Market Data sheet to

on will appear:

unt) will display in

umns N, O, P, Q, and R.
umber of rebates.
umns T, U, V, W, and X.

I savings achieved by the

t, then you will need to

wn to Row 29. Overwrite
s." In Column B, specify
ERGY STAR." Fill in the
et number of rebates.

. You should then add an
udget for the program

ow your plan matches up
quantities to determine the

Program Plan Detail - Rebate Levels and Budget

1. Select your state or territory from the drop-down menu immediately be sales projections and savings figures will automatically appear.
2. Insert rebate amounts and your target number of rebates for each product. Total cost and annual savings achieved will appear automatically once text entered.

Instructions:

Select State or Territory:	Connecticut	State's Allocation:
----------------------------	-------------	---------------------

Products	ENERGY STAR Criteria	2009 Unit Sales in State (ENERGY STAR and Non-Qualified Combined)	National ENERGY STAR Market Share
Clothes Washers			
7/1/09 Criteria	MEF >= 1.8; WF <= 7.5	89,223	40%
1/1/11 Criteria	MEF >= 2.0; WF <= 6.0	89,223	30%
Dishwashers			
8/11/09 Criteria	<= 324 kWh/year and <= 5.8 gallons per cycle	62,275	40%
7/1/11 Criteria	<=307 kWh/year and <= 5.0 gallons per cycle	62,275	20%
Refrigerators	20% better than Federal standard	98,759	30%
Freezers	10% better than Federal standard	23,228	3%
Room Air Conditioners	EER ~10% greater than Federal standard	241,512	50%
Water Heaters	Varies by type (see below)		
Gas-Condensing	EF >= 0.8	37,920	0%
Electric Heat Pump	EF >= 2.0	32,776	<1%
Gas Storage (1/1/09 Criteria)	EF >= 0.62	37,920	4%
Gas Storage (9/1/10 Criteria)	EF >= 0.67	37,920	<1%
Gas Tankless	EF >= 0.82	37,920	3%
Solar (electric back-up)	SF >= 0.5	32,776	<1%
Solar (gas back-up)	SF >= 0.5	37,920	<1%
Central Air Conditioners	>=14.5 SEER/ >=12 EER* for split systems; >=14 SEER/ >=11 EER* for single package equipment including gas/electric package units	13,558	21%
Air Source Heat Pumps	>= 8.2 HSPF/ >=14.5 SEER/ >=12 EER* for split systems; >= 8.0 HSPF/ >=14 SEER/ >=11 EER* for single package equipment including gas/electric package units	0	18%
Oil Furnaces	AFUE >= 85%	3,418	10%
Gas Furnaces	AFUE >= 90%	8,520	32%
Oil Boilers	AFUE >= 85%	10,658	61%

Gas Boilers	AFUE >= 85%	9,047	39%
<i>Other Product Selected</i>	<i>Efficiency level</i>		
<i>Other Product Selected</i>			

TOTAL
Estimated Admin Costs
Total Program Budget

Follow these instructions. Customized

duct in the yellow boxes below.
 Target numbers of rebates have been

\$3,359,000

Are Other State or Utility Rebates Available? (Yes / No)	State Rebate Amount (\$)	Target Number of Rebates (2009-2011)	Total Rebate Cost	Expected Annual Savings per Unit (kWh)	Expected Annual Savings per Unit (Natural Gas Therms)
Yes	\$ 100	12,076	\$ 1,207,600	112	4.12
			\$ -	126	4.81
			\$ -	49	1.18
			\$ -	57	1.37
Yes	\$ 50	18,113	\$ 905,650	105	-
No	\$ 50	3,020	\$ 151,000	48	-
Yes	\$ 50	9,055	\$ 452,750	57	-
			\$ -	-	73.28
			\$ -	2,662	-
			\$ -	-	18.91
			\$ -	-	36.94
			\$ -	-	77.85
			\$ -	2,429	-
			\$ -	-	130.27
Yes	\$ 500	604	\$ 302,000	185	-
			\$ -	1,000	-
			\$ -	-	-
			\$ -	-	97.41
			\$ -	-	-

			\$ -	-	41.90
			\$ -		
			\$ -		
			\$ -		
			\$ -		
			\$ -		

42,868		\$ 3,019,000
		\$680,000
		\$ 3,699,000

Expected Annual Savings per Unit (Gallons of Water)	Expected Annual Savings per Unit (Btu)	Expected Annual Savings per Unit (lbs of CO2)	Total Expected Annual Savings (kWh)	Total Expected Annual Savings (Natural Gas Therms)	Total Expected Annual Savings (Gallons of Water)
6,846	793,619	171	1,349,307	49,799	82,672,296
7,548	912,296	194	-	-	-
402	283,636	73	-	-	-
497	331,794	87	-	-	-
-	358,260	155	1,901,865	-	-
-	163,776	71	144,960	-	-
-	193,666	84	513,965	-	-
-	7,328,000	108	-	-	-
-	9,082,744	3,936	-	-	-
-	1,891,000	28	-	-	-
-	3,694,000	55	-	-	-
-	7,785,000	115	-	-	-
-	8,287,748	3,592	-	-	-
-	13,027,000	193	-	-	-
-	630,697	273	111,647	-	-
-	3,412,116	1,479	-	-	-
-	4,189,934	731	-	-	-
-	9,740,701	144	-	-	-
-	4,189,934	731	-	-	-

Total Expected Annual Savings (Btu)	Total Expected Annual Savings (lbs of CO2)	Average Product Lifetime (years)	Total Expected Lifetime Savings (kWh)
9,583,747,932	2,068,960	11	14,842,379
-	-	11	-
-	-	10	-
-	-	10	-
6,489,163,380	2,812,425	12	22,822,380
494,603,520	214,363	11	1,594,560
1,753,649,172	760,037	9	4,625,687
-	-	15	-
-	-	10	-
-	-	13	-
-	-	13	-
-	-	20	-
-	-	20	-
-	-	20	-
380,940,957	165,101	11	1,228,121
-	-	12	-
-	-	17	-
-	-	15	-
-	-	20	-

-	-	20	
18,702,104,960	6,020,886		45,113,127

Total Expected Lifetime Savings (Natural Gas Therms)	Total Expected Lifetime Savings (Gallons of Water)	Total Expected Lifetime Savings (Btu)	Total Expected Lifetime Savings (lbs of CO2)
--	--	---------------------------------------	--

547,790	909,395,256	105,421,227,249	22,758,556
-	-	-	-

-	-	-	-
-	-	-	-
		77,869,960,560	33,749,103
		5,440,638,720	2,357,991
		15,782,842,544	6,840,337

-		-	-
		-	-
-		-	-
-		-	-
-		-	-
-		-	-
		4,190,350,528	1,816,112
		-	-
		-	-
-		-	-
		-	-

-		-	-

547,790	909,395,256	208,705,019,601	67,522,100
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**National Data for Select
ENERGY STAR Products**

Products	ENERGY STAR Criteria	Projected 2009 Total Category Unit Sales	ENERGY STAR Market Share
Clothes Washers			
7/1/09 Criteria	MEF \geq 1.8; WF \leq 7.5	7,860,000	40%
1/11/11 Criteria	MEF \geq 2.0; WF \leq 6.0	7,860,000	30%
Dishwashers			
8/11/09 Criteria	\leq 324 kWh/year and \leq 5.8 gallons per cycle	5,486,000	40%
7/1/11 Criteria	\leq 307 kWh/year and \leq 5.0 gallons per cycle	5,486,000	20%
Refrigerators	20% better than Federal standard	8,700,000	30%
Freezers	10% better than Federal standard	2,046,250	3%
Room Air Conditioners	EER \sim 10% greater than Federal standard	8,660,495	50%
Water Heaters	Varies by type (see below)		
Gas-Condensing	EF \geq 0.8	3,953,689	0%
Electric Heat Pump	EF \geq 2.0	4,112,613	<1%
Gas Storage (1/1/09 Criteria)	EF \geq 0.62	3,953,689	4%
Gas Storage (9/1/10 Criteria)	EF \geq 0.67	3,953,689	<1%
Gas Tankless	EF \geq 0.82	3,953,689	3%
Solar (electric back-up)	SF \geq 0.5	4,112,613	<1%
Solar (gas back-up)	SF \geq 0.5	3,953,689	<1%
Central Air Conditioners	\geq 14.5 SEER/ \geq 12 EER* for split systems; \geq 14 SEER/ \geq 11 EER* for single package equipment including gas/electric package units	4,233,080	21%
Air Source Heat Pumps	\geq 8.2 HSPF/ \geq 14.5 SEER/ \geq 12 EER* for split systems; \geq 8.0 HSPF/ \geq 14 SEER/ \geq 11 EER* for single package equipment including gas/electric package units	1,768,260	18%
Oil Furnaces	AFUE \geq 85%	43,443	10%

Gas Furnaces	AFUE >= 90%	2,128,234	32%
Oil Boilers	AFUE >= 85%	119,732	61%
Gas Boilers	AFUE >= 85%	188,485	39%

Average Non-ENERGY STAR Price	Average ENERGY STAR Price	Average ENERGY STAR Price Premium	Rebate Levels Representative of Existing Programs	Annual Energy Savings (Btu)	Annual Energy Saved vs. Price Premium (Btu/\$)	Annual Energy Saved vs. Potential Rebate (Btu/\$)	Average Product Lifetime (years)
\$492	\$750	\$258	\$75	850,792	3,298	11,344	11
\$492	\$900	\$408	\$100	886,290	2,172	8,863	11
\$538	\$550	\$12	\$25	273,183	22,765	10,927	10
\$538	\$700	\$162	\$50	320,065	1,976	6,401	10
\$1,150	\$1,180	\$30	\$25	358,260	11,942	14,330	12
\$852	\$882	\$30	\$25	163,776	5,459	6,551	11
\$180	\$220	\$40	\$20	153,540	3,839	7,677	9
\$830	\$1,265	\$435	\$150	7,328,000	16,846	48,853	15
\$650	\$1,500	\$850	\$150	9,082,744	10,686	60,552	10
\$865	\$935	\$70	\$50	1,891,000	27,014	37,820	13
\$865	\$1,265	\$400	\$100	3,694,000	9,235	36,940	13
\$865	\$1,470	\$605	\$100	7,785,000	12,868	77,850	20
\$650	\$3,200	\$2,550	\$150	8,287,748	3,250	55,252	20
\$865	\$3,200	\$2,335	\$150	13,027,000	5,579	86,847	20
\$1,126	\$1,219	\$93	\$100	975,832	10,493	9,758	11
\$5,700	\$6,700	\$1,000	\$250	2,999,148	2,999	11,997	12
\$3,142	\$3,681	\$539	\$110	2,643,072	4,904	24,028	17

\$2,044	\$2,737	\$693	\$110	10,000,000	14,430	90,909	15
\$3,892	\$4,424	\$532	\$300	4,963,235	9,329	16,544	20
\$3,630	\$4,468	\$838	\$200	5,000,000	5,967	25,000	20

Federal Tax Credits Available?	Subset of ENERGY STAR models qualifying for federal tax credits	Number of Models Qualifying for federal tax credits	Number of ENERGY STAR Models	Percentage of ENERGY STAR models Qualifying for federal tax credits
Non-Business Energy Property Credit	EF >= .82	-	0	N/A
Non-Business Energy Property Credit	All	-	-	100%
Non-Business Energy Property Credit	All	-	-	100%
Residential Energy Efficient Property Credit	All	-	-	100%
Residential Energy Efficient Property Credit	All	-	-	100%
Non-Business Energy Property Credit	CEE Tier 3 for Split Systems; CEE Tier 2 for Packaged CACs	30,657	136,726	22%
Non-Business Energy Property Credit	CEE Tier 2	23,956	50,786	47%
Non-Business Energy Property Credit	AFUE >= 90%	12	218	6%

Non-Business Energy Property Credit	AFUE >= 95%	119	431	28%
Non-Business Energy Property Credit	AFUE >= 90%	7	337	2%
Non-Business Energy Property Credit	AFUE >= 90%	114	175	65%

Notes

On Using RECS Data

The 2005 Residential Energy Consumption Survey (RECS) was used for the following states and territories. RECS does not provide data for all of the states and territories. For each instance where RECS data was used, the value was multiplied by the ratio of the available data from RECS to the total population of the state.

For states in census divisions without one of the four most populous states based on their share of the census division's population, the value minus the value for the most populous state was distributed among the other states in the division's population.

State-Specific Energy Savings

Savings for refrigerators, freezers, and water heaters do not vary by state.

For clothes washers, RECS data was used to determine the percentage of homes with a gas dryer, or no dryer at all. This was used with the state by state water heating to develop a distribution of clothes washer configurations. The distribution of configurations was combined with the distribution of cooling load estimates. Water savings were uniform across states.

Dishwasher savings varied from state to state based on the percentage of homes with a dishwasher.

Room air conditioner savings vary based on the average cooling load per square foot. EPA's ENERGY STAR savings calculator for central air conditioning was used to determine the savings for each statistical area (if MSA data was unavailable, the population of the state was used). Since the national average usage is 750 cooling hours per year, the savings from the ENERGY STAR savings calculator were multiplied by the ratio of the state's average cooling load to the national average.

Water heater savings are based on D&R International's metrics.

Central air conditioners were developed with the same data as the room air conditioners. The weighted figure that was used for RACs.

Air source heat pumps have the same formula as Central ACs, but were calculated using the same methodology that was employed for room air conditioners.

Savings for heating products were calculated using the formula: $\text{Savings} = \text{Heated Floor Space} \times \text{Age of Housing Stock} \times \text{Energy Intensity}$. The average heated floorspace for the average home in each state was calculated using the age of the housing stock in each state. These data points were multiplied by the energy intensity (kBtu/SF/YR) from the EPA's Savings Calculators to develop a savings estimate.

CO2 savings are customized by state based on EPA eGRID 2005 data.

2009 Sales Projections

National sales projections are from Appliance magazine as spelled out in the RECS data. For each state, two different methods were used to estimate the percentage of sales for each state, two different methods were used.

For clothes washers, dishwashers, refrigerators and freezers, it was assumed that sales were based on a per capita basis among the states.

For heating and cooling products and water heaters, there are several different methods used to estimate sales.

For water heating products, RECS data was used to determine the proportion of the market that is powered by electricity. It was assumed that sales of new units were based on a per capita basis among the states.

For heating and cooling products, RECS data was used to determine the proportion of the market that is powered by electricity. For instance, since oil boilers have nearly zero presence in the national market for oil boilers. The estimated national sales for the market for the product.

Sources for National Market Data

Product	Metric
Projected Annual Shipments of All Products in Category (E)	
Clothes Washers	
7/1/09 Criteria	7,860,000
1/11/09 Criteria	7,860,000
Dishwashers	
8/11/09 Criteria	5,486,000
7/1/11 Criteria	5,486,000
Refrigerators	8,700,000
Freezers	2,046,250
Room Air Conditioners	8,660,495
WH -- Gas-Condensing	N/A
WH -- Elec Heat Pump	N/A
WH -- Gas Storage (1/1/09 Criteria)	4,671,000
WH -- Gas Storage (9/1/10 Criteria)	4,671,000
WH -- Gas Tankless	254,600
WH -- Solar (electric)	8,500
WH -- Solar (gas)	8,500
Central Air Conditioners	4,233,080
Air Source Heat Pumps	1,768,260
Oil Furnaces	43,443
Gas Furnaces	2,128,234
Oil Boilers	119,732
Gas Boilers	188,485
ENERGY STAR Market Share	
Clothes Washers	
7/1/09 Criteria	40%
1/11/09 Criteria	30%
Dishwashers	
8/11/09 Criteria	40%
7/1/11 Criteria	20%

Refrigerators	30%
Freezers	3%
Room Air Conditioners	50%
WH -- Gas-Condensing	0%
WH -- Elec Heat Pump	<1%
WH -- Gas Storage (1/1/09 Criteria)	4%
WH -- Gas Storage (9/1/10 Criteria)	<1%
WH -- Gas Tankless	3%
WH -- Solar (electric)	<1%
WH -- Solar (gas)	<1%
Central Air Conditioners	21%
Air Source Heat Pumps	18%
Oil Furnaces	10%
Gas Furnaces	32%
Oil Boilers	61%
Gas Boilers	39%
Average ENERGY STAR Price	
Clothes Washers	
7/1/09 Criteria	\$750
1/11/09 Criteria	\$900
Dishwashers	
8/11/09 Criteria	\$700
7/1/11 Criteria	\$800
Refrigerators	\$1,180
Freezers	\$882
Room Air Conditioners	\$220
WH -- Gas-Condensing	\$1,265
WH -- Elec Heat Pump	1500
WH -- Gas Storage (1/1/09 Criteria)	\$935
WH -- Gas Storage (9/1/10 Criteria)	\$1,265
WH -- Gas Tankless	\$1,470
WH -- Solar (electric)	\$3,200
WH -- Solar (gas)	\$3,200
Central Air Conditioners	\$1,219
Air Source Heat Pumps	\$6,700
Oil Furnaces	\$3,681
Gas Furnaces	\$2,737
Oil Boilers	\$4,424
Gas Boilers	\$4,468
Average Non ENERGY STAR Price	
Clothes Washers	
7/1/09 Criteria	\$492
1/11/09 Criteria	\$492
Dishwashers	
8/11/09 Criteria	\$538
7/1/11 Criteria	\$538

Refrigerators	\$1,150
Freezers	\$852
Room Air Conditioners	\$170
WH -- Gas-Condensing	\$830
WH -- Elec Heat Pump	\$650
WH -- Gas Storage (1/1/09 Criteria)	\$865
WH -- Gas Storage (9/1/10 Criteria)	\$865
WH -- Gas Tankless	\$865
WH -- Solar (electric)	\$650
WH -- Solar (gas)	\$865
Central Air Conditioners	\$1,126
Air Source Heat Pumps	\$5,700
Oil Furnaces	\$3,142
Gas Furnaces	\$2,044
Oil Boilers	\$3,892
Gas Boilers	\$3,630
Rebate Levels Representative of Existing Programs	
Clothes Washers	
7/1/09 Criteria	\$75
1/11/09 Criteria	\$100
Dishwashers	
8/11/09 Criteria	\$25
7/1/11 Criteria	\$50
Refrigerators	\$25
Freezers	\$25
Room Air Conditioners	\$20
WH -- Gas-Condensing	\$150
WH -- Elec Heat Pump	\$150
WH -- Gas Storage (1/1/09 Criteria)	\$50
WH -- Gas Storage (9/1/10 Criteria)	\$100
WH -- Gas Tankless	\$100
WH -- Solar (electric)	\$150
WH -- Solar (gas)	\$150
Central Air Conditioners	\$100
Air Source Heat Pumps	\$250

Oil Furnaces	\$110
Gas Furnaces	\$110
Oil Boilers	\$300
Gas Boilers	\$200
National Average Annual kWh savings	
Clothes Washers	
7/1/09 Criteria	139
1/11/09 Criteria	146
Dishwashers	
8/11/09 Criteria	57
7/1/11 Criteria	67
Refrigerators	105
Freezers	48
Room Air Conditioners	45
WH -- Elec Heat Pump	2662
WH -- Solar (electric)	2429
Central Air Conditioners	286
Air Source Heat Pumps	879
National Average Annual gas therm savings	
Clothes Washers	
7/1/09 Criteria	3.75
1/11/09 Criteria	3.90
Dishwashers	
8/11/09 Criteria	0.78
7/1/11 Criteria	0.91
Gas Furnaces	100.00
WH -- Gas-Condensing	73.28
WH -- Gas Storage (1/1/09 Criteria)	18.91
WH -- Gas Storage (9/1/10 Criteria)	36.94
WH -- Gas Tankless	77.85
WH -- Solar (gas)	130.27
Gas Boilers	50
National Average Annual Oil Savings	
Oil Furnaces	2,643,072
Oil Boilers	4,963,235
Average Product Lifetime	
Clothes Washers	
7/1/09 Criteria	11
1/11/09 Criteria	11
Dishwashers	
8/11/09 Criteria	10

7/1/11 Criteria	10
Refrigerators	12
Freezers	11
Room Air Conditioners	9
WH -- Gas-Condensing	15
WH -- Elec Heat Pump	10
WH -- Gas Storage (1/1/09 Criteria)	13
WH -- Gas Storage (9/1/10 Criteria)	13
WH -- Gas Tankless	20
WH -- Solar (electric)	20
WH -- Solar (gas)	20
Central Air Conditioners	11
Air Source Heat Pumps	12
Oil Furnaces	17
Gas Furnaces	15
Oil Boilers	20
Gas Boilers	20

s a major source of data for this tool, as described in the sales and saving
ritories, but it does provide data for nine census divisions and the four most
d in this tool, a method was used to estimate data for each state based on the

ulous states, the regional total for a value would be distributed among those
In states with one of the four most populous states, the census division total
ong the remaining states based on their share of the remainder of the census

ry from state to state.

centage of clothes washers in each state that are paired with an electric dryer,
state data on the percentages of homes with electric water heating vs. gas
urations for each state. D&R International's savings data for each of the six
nfigurations in each state to develop customized gas and electricity savings

valence of gas water heating vs. electric water heating in each state.

g hours for the state. The cooling hours for 219 cities that are listed in the
oners were weighted by the population of each metropolitan or micropolitan
the town itself was used) to develop an average number of cooling hours for
urs for a Room AC and 1,000 hours for a central AC, the full-load cooling hours
.75.

for the ENERGY STAR Water Heaters program.

for Room ACs, except the full-load cooling hours were used rather than the

except heating is also included. Average heating hours for each state were
cooling hours.

s from the EPA's ENERGY STAR Savings Calculators for those products. The
ulated from RECS data. RECS data was also used to develop a distribution of
vere used in conjunction with the historical heat loads by age and region
a customized savings estimate for each state.

07 emission factors.

lled out below in the list of sources for national market data. To determine the used.

was assumed that sales would be distributed evenly on a population-weighted

significant differences in sales of certain types of products among states.

the % of water heaters that are fueled by natural gas and the % that are would be split along the same lines.

rmine the state’s proportion of the market for a given product type. The ber of units installed in the state compared to the number of units installed sence in several states, it was found that several states account for 0% of the the product type were distributed by state based on each state’ percentage of

Data Source
Energy Star and non-Energy Star)
Appliance Magazine. “2009: Hope for Recovery.” January 2009 issue.
Appliance Magazine. “2009: Hope for Recovery.” January 2009 issue.
Appliance Magazine. “2009: Hope for Recovery.” January 2009 issue.
Appliance Magazine. “2009: Hope for Recovery.” January 2009 issue.
Appliance Magazine. “2009: Hope for Recovery.” January 2009 issue.
Appliance Magazine. “2009: Hope for Recovery.” January 2009 issue.
Appliance Magazine. “2009: Hope for Recovery.” January 2009 issue.
Unknown at this time.
Unknown at this time.
Appliance Magazine. “2009: Hope for Recovery.” January 2009 issue.
Appliance Magazine. “2009: Hope for Recovery.” January 2009 issue.
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
Appliance Magazine. “2009: Hope for Recovery.” January 2009 issue.
Appliance Magazine. “2009: Hope for Recovery.” January 2009 issue.
Appliance Magazine. “2009: Hope for Recovery.” January 2009 issue.
Appliance Magazine. “2009: Hope for Recovery.” January 2009 issue.
Appliance Magazine. “2009: Hope for Recovery.” January 2009 issue.
Appliance Magazine. “2009: Hope for Recovery.” January 2009 issue.
D&R International 2009, estimate
D&R International 2009, estimate
D&R International 2009, estimate
D&R International 2009, estimate

D&R International 2009, Based on sales data collected from major retailers
D&R International 2009, estimate
D&R International 2009, Based on sales data collected from major retailers
D&R International 2009. No gas-condensing models are available yet.
D&R International 2009. Models just entering market.
No sales data has been collected yet for E* WHs as this is the first year of the program. Estimate based on manufacturer input.
No sales data has been collected yet for E* WHs as this is the first year of the program. Estimate based on manufacturer input.
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No sales data has been collected yet for E* WHs as this is the first year of the program. Estimate based on manufacturer input.
LBNL October 2008
D&R International 2009, estimate based on data from major retailer websites
D&R International 2009, estimate based on data from major retailer websites
D&R International 2009, estimate based on data from major retailer websites
D&R International 2009, estimate based on data from major retailer websites
Provided by major retailer to D&R International 2/09
Provided by major retailer to D&R International 2/09
Provided by major retailer to D&R International 2/09
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
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ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
EPA ENERGY STAR CACs Savings Calculator accessed 5/09
EPA ENERGY STAR ASHPs Savings Calculator accessed 5/09
DOE Standards TSD for Furnaces and Boilers, Sept. 2007
DOE Standards TSD for Furnaces and Boilers, Sept. 2007
DOE Standards TSD for Furnaces and Boilers, Sept. 2007
DOE Standards TSD for Furnaces and Boilers, Sept. 2007
D&R International 2009, estimate based on data from major retailer websites
D&R International 2009, estimate based on data from major retailer websites
D&R International 2009, estimate based on data from major retailer websites
D&R International 2009, estimate based on data from major retailer websites

D&R International 2009, estimate based on data from major retailer websites
D&R International 2009, estimate based on data from major retailer websites
D&R International 2009, estimate based on data from major retailer websites
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ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
EPA ENERGY STAR CACs Savings Calculator accessed 5/09
EPA ENERGY STAR ASHPs Savings Calculator accessed 5/09
DOE Standards TSD for Furnaces and Boilers, Sept. 2007
DOE Standards TSD for Furnaces and Boilers, Sept. 2007
DOE Standards TSD for Furnaces and Boilers, Sept. 2007
DOE Standards TSD for Furnaces and Boilers, Sept. 2007
D&R International 2009, estimate based on rebate amounts in ENERGY STAR database
D&R International 2009, estimate based on rebate amounts in ENERGY STAR database
D&R International 2009, estimate based on rebate amounts in ENERGY STAR database
D&R International 2009, estimate based on rebate amounts in ENERGY STAR database
D&R International 2009, estimate based on rebate amounts in ENERGY STAR database
D&R International 2009, estimate based on rebate amounts in ENERGY STAR database
D&R International 2009, estimate based on rebate amounts in ENERGY STAR database
D&R International 2009, estimate based on rebate amounts for products with similar price premiums and savings
D&R International 2009, estimate based on rebate amounts for products with similar price premiums and savings
D&R International 2009, estimate based on rebate amounts offered by existing programs
D&R International 2009, estimate based on rebate amounts offered by existing programs
D&R International 2009, estimate based on rebate amounts offered by existing programs
D&R International 2009, estimate based on rebate amounts offered by existing programs
D&R International 2009, estimate based on rebate amounts offered by existing programs
D&R International 2009, estimate based on rebate amounts in ENERGY STAR database
D&R International 2009, estimate based on rebate amounts in ENERGY STAR database

D&R International 2009, estimate based on rebate amounts in ENERGY STAR database
D&R International 2009, estimate based on rebate amounts in ENERGY STAR database
D&R International 2009, estimate based on rebate amounts in ENERGY STAR database
D&R International 2009, estimate based on rebate amounts in ENERGY STAR database
D&R International Analysis 3/09
D&R International Analysis 3/09
D&R International Analysis 4/09
D&R International Analysis 4/09
DOE ENERGY STAR Appliance Savings 1/09
DOE ENERGY STAR Appliance Savings 1/09
DOE ENERGY STAR Appliance Savings 1/09
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
EPA Savings Calculator. Assumed 1000 cooling hours.
EPA Savings Calculator. Assumed 1000 cooling hours, 2080 heating hours.
D&R International Analysis 3/09
D&R International Analysis 3/09
D&R International Analysis 4/09
D&R International Analysis 4/09
EPA Savings Calculator. Assumes default values but without Programmable Thermostat
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
EPA Savings Calculator. Assumes default values but without Programmable Thermostat
EPA Savings Calculator. Assumes default values but without Programmable Thermostat
EPA Savings Calculator. Assumes default values but without Programmable Thermostat
Appliance Magazine, September 2008 Issue
Appliance Magazine, September 2008 Issue
Appliance Magazine, September 2008 Issue

Appliance Magazine, September 2008 Issue
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
Appliance Magazine, September 2008 Issue
Appliance Magazine, September 2008 Issue
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
ENERGY STAR® Residential Water Heaters: Final Criteria Analysis
Appliance Magazine, September 2008 Issue
Estimated to be the same as Oil Boiler Lifetime

Budget Detail Package

(See Instructions Tab for Guidance)

Budget Summary

State	State/Territory Name	Award Number		Total Award Value	Program Administrator (if other than state)		
CT	Connecticut	DE-EE0001580		\$ 3,359,000	multiple		
Administrative Costs		Direct Labor	Travel	Supplies	Outreach/Marketing	Other	Indirect Costs
State/Territory Costs		\$ 40,000	\$ -	\$ -	\$ -	\$ 300,000	\$ -
DOE Costs		\$ -	\$ -	\$ -	\$ -	\$ 340,000	\$ -
Total Admin Costs		\$ 40,000	\$ -	\$ -	\$ -	\$ 640,000	\$ -

Total Administrative Costs \$ 680,000

Admin Funds Requested \$ 340,000

Rebate Funding \$ 3,019,000

Guidance: Begin by entering the two-letter state/territory abbreviation and the Program Administrator if appropriate. Complete each of the budget category tabs (below). The data will pull from the individual tabs to complete this summary page. As you work, check for error messages in red text throughout the package. There is a tab at the end with instructions and further guidance for each individual page. If you have questions not answered in the instructions, please send an email to Jeff Fogg, at recovery@id.doe.gov.

Validation Errors (confirm that no validation errors are listed below OR on any of the budget tabs)

According to the data entered so far, you have requested that DOE fund 50% of the Total Admin Costs, which exceeds the 50% cap. Please revise accordingly to ensure that DOE funding for Admin Costs do not exceed the 50% cap.

DIRECT LABOR COST DETAIL

(Include all state Direct Labor costs and indicate how much of each category should be funded by DOE.)

DIRECT LABOR

Name of Individual or Labor Category		RATE	HOURS	ESTIMATED COST	DOE Amount
		Annual Salary or Hourly Wage	Total Estimated Hours	Total Estimated Cost	
A.	Director	\$ 63.20	50	\$ 3,160	
B.	Planning Specialist	\$ 47.28	81	\$ 3,832	
C.	Purchase of Services Policy Manager	\$ 45.80	250	\$ 11,450	
D.	Research Analyst (part time)	\$ 27.82	50	\$ 1,391	
E.					
F.					
			Subtotal:	\$ 19,833	\$ -

FRINGE BENEFITS

Description of Base		RATE	BASE AMOUNT	ESTIMATED COST	DOE Amount
A.	Director	54%	\$ 3,160.00	\$ 1,704	
B.	Planning Specialist	54%	\$ 3,833.00	\$ 2,067	
C.	Purchase of Services Policy Manager	54%	\$ 11,450.00	\$ 6,174	
D.	Research Analyst	54%	\$ 1,391.00	\$ 750	
E.				\$ -	
			Subtotal:	\$ 10,694	\$ -

LABOR OVERHEAD

Description of Base		RATE	BASE AMOUNT	ESTIMATED COST	DOE Amount
A.	Director	48%	\$ 3,160.00	\$ 1,509	
B.	Planning Specialist	48%	\$ 3,832.00	\$ 1,830	
C.	Purchase of Services Policy Manager	48%	\$ 11,450.00	\$ 5,469	
D.	Research Analyst	48%	\$ 1,391.00	\$ 664	
E.				\$ -	
			Subtotal:	\$ 9,472	\$ -

	Page Total	DOE Total
\$	40,000	\$ -

Budget Justification (Provide narrative justification for each individual or labor category. Boxes will expand as needed.)

Basis of Estimate (e.g. actual payroll data)

A.	Director oversees the program	actual salary rate
B.	Planning Specialist assists with grant oversight	actual salary rate
C.	Point of Services Policy Manager has direct overall responsibility for the program	actual salary rate
D.	Research analyst provides as needed assistance with oversight	actual salary rate
E.		
F.		

Fringe Justification (Provide justification for fringe benefits. Box will expand.)

Basis of Estimate (e.g. negotiated rate agreement)

A.	Life Insurance- .03%	actual
B.	Medical-12.16%	actual
C.	Unemployment- .09%	actual
D.	FICA-Social Security-6.20%	actual
E.	FICA-Medicare- 1.45%	actual
F.	Retirement- 33.99%	actual

Labor Overhead Justification (Provide justification for labor overhead. Box will expand.)

Basis of Estimate (e.g. negotiated rate agreement)

A.	building, utilities, office equipment	Negotiated rate agreement with DOE dated 4/8/09
B.		
C.		
D.		
E.		

Travel Cost Detail

(Include ALL travel costs and indicate what portion should be funded by DOE.)

TRAVEL COSTS				
DESCRIPTION	NO. OF TRIPS	ESTIMATED COST PER TRIP	ESTIMATED TOTAL	
FROM:			\$ -	DOE Amount
TO:				
FROM:			\$ -	
TO:				
FROM:			\$ -	
TO:				
TOTAL COST:			\$ -	

Note: Travel amounts proposed and incurred cannot exceed rates/amounts contained in the Federal Travel Regulations (FTR). The FTR(s) are published in the Federal Register.

If the destination is not known an estimated cost per trip with a short explanation is appropriate.

Justification (Include number of travelers and number of days, as well as the purpose of the travel.) (Box will expand.)

Basis of Estimate (e.g. travel agency, historical data)

1		
2		
3		

SUPPLIES/MATERIALS COST DETAIL

(Include ALL supplies/materials costs and indicate what portion should be funded by DOE.)

	DESCRIPTION	ESTIMATED COST	
A.			DOE Amount
B.			
C.			
D.			
E.			
F.			
G.			
H.			
I.			
J.			
TOTAL COST:		\$ -	

Budget Justification (Provide narrative justification for each supply/material category. Boxes will expand as needed.)

Basis of Estimate (e.g. quote, catalog price, engineering estimate, historical cost, etc.)

A.		
B.		
C.		
D.		
E.		
F.		
G.		
H.		
I.		
J.		

OUTREACH - MARKETING COST DETAIL

(Include ALL outreach-marketing costs and indicate what portion should be funded by DOE.)

	DESCRIPTION	ESTIMATED COST	
A.			DOE Amount
B.			
C.			
D.			
E.			
F.			
G.			
H.			
I.			
J.			
TOTAL COST:		\$ -	

Budget Justification (Provide narrative justification for each supply/material category. Boxes will expand as needed.)

Basis of Estimate (e.g. quote, catalog price, engineering estimate, historical cost, etc.)

A.		
B.		
C.		
D.		
E.		
F.		
G.		
H.		
I.		
J.		

OTHER DIRECT COST DETAIL

(Include all Other Direct costs and indicate what amount should be funded by DOE.)

DESCRIPTION		COST	
A.	The three utilities will responsible for direct administration and implementation. All three utilities utiliz		DOE Amount
B.	the same processing house. SEE PROGRAM PLAN FOR LETTERS OF COMMITMENT.		
C.			
D.			
E.			
F.			
G.			
H.			
I.			
J.			
Subcontracts			
K.	Connecticut Light & Power (CL&P)	\$ 512,000	
L.	United Illuminating Company	\$ 96,000	
M.	Connecticut Municipal Electric Energy Cooperative	\$ 32,000	
N.			
TOTAL COST:		\$ 640,000	\$ 340,000

At least one of your subcontracts has exceeded 25% of the Total Administrative Costs or is greater than \$100,000 . You will need to complete a Subcontract Budget Detail tab for any subcontract amount highlighted above.

Budget Justification (Provide narrative justification for each cost line. Boxes will expand as needed.)

Basis of Estimate (e.g. quote, engineering estimate, historical cost, etc.)

A.	Connecticut Light & Power-based on coverage of 80% of state population	estimate by utility
B.	United Illuminating Company based on coverage of 15% of the state population	estimate by utility
C.	Connecticut Municipal Electric Energy Cooperative based on coverage of 5% of the state population	estimate by utility cooperative
D.		
E.		
F.		

G.		
H.		
I.		
J.		
Subcontracts		
K.		
L.		
M.		
N.		

INDIRECT COSTS

IDENTIFY INDIRECT/G&A RATE INFORMATION	RATE	BASE AMOUNT	ESTIMATED COST	
<input type="checkbox"/> Based on an approved rate agreement.			\$ -	DOE Amount
<input type="checkbox"/> Based on actual historical costs.			\$ -	
<input type="checkbox"/> Other, please explain.			\$ -	
Total Cost			\$ -	

Instructions and Guidance

Budget Summary

Note: You should only populate the light blue fields. The other fields are locked and will autopopulate as appropriate.

State	Enter the two-letter state abbreviation. This will pull in the award data.
Program Administrator	Populate this field ONLY if you will subcontract the program administration to an entity OTHER than the state office listed on the award. If the Program Administrator has not yet been named, you may enter "TBD".
Administrative Costs	These fields will autopopulate after you have completed the individual cost category tabs.
Errors	Please ensure that all errors are corrected. They will appear in red text. Note that most errors are corrected by accessing the appropriate budget category tab.

For each of the cost categories, enter ALL administrative costs for that particular budget category. Then indicate what amount should be funded by DOE under "DOE Amount". These costs are costs to be incurred by the state agency. Any subcontract should be listed as state expense under Other Direct Costs.

On each of the budget categories you are asked to provide both the justification for the cost, as well as the basis of estimate. The justification is a statement as to why this cost should be part of the program, why it is necessary for the program to be successful. For example, you may include \$5,000 for travel to the Bahamas, but it might be difficult to justify as necessary. This justification does not need to be lengthy, but it should adequately support your cost.

The basis of estimates should be VERY brief. In many cases, it may be simply a "vendor quote", or "engineering estimate". We just need to know how the cost was estimated.

Direct Labor

You may choose to enter an individual's name or simply the labor category, e.g. Grant Specialist, Program Administrator, etc.

Rate: You should enter the annual salary of the person or category.

Hours: enter the estimated number of total hours that the person will be working on the program.

Travel

Though travel is not anticipated it may be an allowable cost if appropriate. Please provide the rationale for each trip.

Supplies/Materials

Do not list every item in detail. This should be general categories, such as "office supplies".

Outreach/Marketing

Keep the descriptions brief. Provide the justification/rationale in the spaces below.

Other Direct Costs

These costs are made up of any allowable costs that do not fit under one of the other categories. This includes subcontracts. Please enter the subcontracts in the fields indicated. The justification for subcontracts should include rationale for having a subcontract versus doing the work within the state agency. Note that any subcontract that exceeds 25% of the total administrative costs will require a separate budget detail breakdown of the costs by category, including rationale for each cost item.

Any "in-kind" contributions should be listed as Other Direct Costs. Please provide the supporting documentation/letter as an attachment to this budget package.

Indirect Costs

Please provide the base to which the rate will be applied. Also provide the basis for the utilized rate.

Subcontract Budget Detail

These tabs are to be utilized if a subcontract value is greater than 25% of the Total Administrative Cost in your budget OR exceeds \$100,000. The Subcontract Budget Detail page should include all costs associated with that subcontract. The Basis of Estimate for this page should also include a brief justification of the cost. The Basis of Estimate for Labor may need to address multiple labor categories. The box will expand to allow for as much text as necessary. The narrative should be as brief as possible, while still providing adequate support detail.

(If your question was not answered here, please send an email with your question(s) to Jeff Fogg at recovery@id.doe.gov)

Subcontract Budget Detail

(required for any subcontract over 25% of the Total Administrative Costs or over \$100k)

Subcontractor Name	Subcontract Value	Purpose of Subcontract
CT Light & Power	\$ 512,000	SEEARP - program administration

Cost Category	Estimated Cost	Basis of Estimate (include labor rates, hours, purpose of travel, etc)
Direct Labor		
Labor	\$ 132,420	CEEF Fund program administration costs based on % of time allocated to the program
Fringe Benefits	\$ 54,477	Based on 41% Fringe Benefits
Labor Overhead	\$ 30,735	Based on 23% Labor Overhead
Direct Labor Total	\$ 217,632	
Travel		
Supplies/Materials		
Outreach/Marketing	\$ 20,000	Direct costs to design and produce/print marketing materials
Other Direct Costs	\$ 274,368	Processing costs @ \$8/invoice at 34,296
Indirect Costs		
Total Cost	\$ 512,000	

Comments: Please provide any additional comments as needed. (Box will expand.)

ID-EC98.1

APPLICANT ENVIRONMENTAL CHECKLIST

The following information must be provided to and approved by the Department of Energy (DOE) before a contractual document can be awarded. Complete and correct information expedites the review process.

SECTION A:

Project Title: State Energy Efficient Appliance Rebate Program
 Applicant Organization: State of Connecticut
 Applicant Organization Contact (usually the PI): Maraide Sullivan
 Telephone Number and Email Address: 860-418-6371 maraide.sullivan@ct.gov

SECTION B: Attach a complete and concise description of the project or activity. Include purpose and need and enough information so that a verification of the impacts can be performed. This allows DOE to make the proper NEPA determination.

SECTION C: SOURCES OF IMPACTS: WOULD THE PROPOSAL INVOLVE OR GENERATE ANY OF THE FOLLOWING? (If yes, please provide brief explanation. For example, if yes is checked for question 15, indicate how much waste will be generated and the office or procedure in place to handle disposal.)

	YES	NO		YES	NO
1. Air Emissions	_____	<input checked="" type="checkbox"/>	10. Contaminated Soil	_____	<input checked="" type="checkbox"/>
2. Asbestos Emissions or Waste	_____	<input checked="" type="checkbox"/>	11. Industrial Waste Generation	_____	<input checked="" type="checkbox"/>
3. Biological Hazards	_____	<input checked="" type="checkbox"/>	12. PCBs	_____	<input checked="" type="checkbox"/>
4. Discharge of Wastewater	_____	<input checked="" type="checkbox"/>	13. Hazardous Waste Generation	_____	<input checked="" type="checkbox"/>
5. Cultural/Historical Resources	_____	<input checked="" type="checkbox"/>	14. Radioactive Waste Generation	_____	<input checked="" type="checkbox"/>
6. Soil Disturbance	_____	<input checked="" type="checkbox"/>	15. Mixed Waste Generation	<input checked="" type="checkbox"/>	_____
7. Radioactive Material Use	_____	<input checked="" type="checkbox"/>	16. Chemical Waste Disposal	_____	<input checked="" type="checkbox"/>
8. Water/Well Use	_____	<input checked="" type="checkbox"/>	17. Interaction with Wildlife/Habitat	_____	<input checked="" type="checkbox"/>
9. Work Within a Floodplain	_____	<input checked="" type="checkbox"/>	18. Chemical Use/Storage	_____	<input checked="" type="checkbox"/>

SECTION D: CATEGORY EVALUATION CRITERIA, WOULD THE ACTION:

	YES	NO
1. Require cultural, historical, or biological clearances?	_____	<input checked="" type="checkbox"/>
2. Impact sensitive resources identified in Item 1 above? Describe the mitigation plan.	_____	<input checked="" type="checkbox"/>
3. Require or modify federal, state, or local permits, approvals, etc.?	_____	<input checked="" type="checkbox"/>
4. Create hazardous, radioactive, PCB, or mixed waste for which no disposal is available?	_____	<input checked="" type="checkbox"/>
5. Require siting, construction, or modification of a RCRA or TSCA regulated facility?	_____	<input checked="" type="checkbox"/>
6. Is the activity included in an Environmental Impact Statement or Environmental Assessment?	_____	<input checked="" type="checkbox"/>

SECTION E: CERTIFICATION. To the best of the applicant's knowledge at the time of signing, the responses given above are complete and accurate, and should new issues or concerns arise or changes occur anytime after award and during the course of performance, the applicant will alert DOE immediately.


 APPLICANT SIGNATURE & TITLE

10-13-09
 DATE

FOR DOE USE ONLY	
NEPA Doc Number:	Solicitation #:
NEPA CX Applied:	Contract Specialist:
Approved: Signature/Date:	Project Manager:

Section C., #15.

Waste as a result of the appliance rebate program will be in the form of used appliances. Among the waste will be steel, plastic, glass, copper, and refrigerant. Most retailers in the state will take old appliances when the new one is delivered, and the major retailers have a third party recycling company that will recycle the usable materials.

Individuals may also dispose of old appliances if the retailer doesn't take it. The individual takes the product to the municipal transfer station for disposal (often paying a fee) to cover disposal expenses. The appliance is removed from the transfer station by a disposal company for recycling of the refrigerant and recoverable materials, and disposal of materials that cannot be reused/recycled. (Attached are the handling requirements as spelled out by the Department of Environmental Protection "General Permit for a Municipal Transfer Station", pages 1, 22A, and 23A.)

The State of Connecticut is asking its partners to encourage recycling to the greatest extent possible.



**STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTE ENGINEERING AND ENFORCEMENT DIVISION
860-424-3372**

**General Permit
For A
Municipal Transfer Station**

**Issuance Date: November 29, 2007
Expiration Date: November 29, 2012**

Printed on recycled paper

Appendix Part II. Handling Requirements and Capacity Limits for Specific Waste Types (continued)

H. Metal: Scrap Metal, Propane Tanks, Appliances with Chlorofluorocarbons (Freon), Etc.

1. Scrap Metal, including Appliances without Chlorofluorocarbons (freon) and Propane Tanks without Valves

- a. **Handling and Storage Areas:** Handling and storage shall be confined to either containers or to piles located on an impervious surface specifically prepared and designated for such use.
- b. **Metal piles:** Outside scrap metal piles shall at no time exceed 40 cubic yards, and all metal shall be containerized by the end of each operational day.
- c. **Cover:** Each container shall be provided with an impervious cover, and containers shall be covered when not in use and at the end of each operational day.
- d. **Processing:** Processing for volume reduction is limited to sorting and dismantling with hand tools.

2. Scrap Metal Containing Oils

Scrap metal containing oils shall be managed according to the General Requirements in Section J.1 of this Appendix and as follows:

- a. Oil shall be drained on the day the metal is received or the metal shall be managed according to applicable used oil regulations in section 22a-449(c)-119 of the Regulations of Connecticut State Agencies.
- b. **Storage Area:** Any scrap metal received outside that is not immediately containerized shall be kept in an area that has been designed to prevent stormwater pollution by using measures such as berms or secondary containment.
- c. **Consolidate with other Scrap Metal:** Once oil is drained, metal shall be containerized.

3. Appliances Containing CFC Liquid (Freon) such as Freezers, Refrigerators, Dehumidifiers, Air Conditioners and Water Coolers

- a. **Handling:** The permittee shall implement specific procedures for handling of appliances, including unloading from vehicles, to prevent damage to the appliance prior to CFC removal.
- b. **Upright Storage:** Appliances shall be stored upright in the designated area.
- c. **CFC extraction:** In accordance with the Code of Federal Regulations in section 40 CFR Part 82 section 150 through 166 only a technician certified by an EPA approved organization shall remove the CFCs from all CFC-containing appliances.

Appendix Part II. Handling Requirements and Capacity Limits for Specific Waste Types (continued)

3. Appliances Containing CFC Liquid (Freon) such as Freezers, Refrigerators, Dehumidifiers, Air Conditioners and Water Coolers (continued)

- d. **Mark Appliance:** When CFCs are removed, appliances shall be clearly marked to indicate that the CFCs have been removed.
- e. **Consolidate with Scrap Metal:** After CFC removal, the appliances may be placed in the scrap metal storage area.

4. Propane Tanks with Valves

- a. **Management Procedures:** The handling and storage of propane tanks shall be performed in compliance with a written plan. The plan shall be:
 - (i) Reviewed and approved **annually** by the local Fire Marshal; and
 - (ii) Available for review at the facility by facility operators and DEP.
- b. **Handling:** Tanks shall be handled as follows:
 - (i) Tanks shall be stored upright in the designated area.
 - (ii) Storage area shall be separated from public access surrounded by fence and gate.
 - (iii) Storage area shall be well ventilated.
- c. **Signs:** Tank storage area shall display signs that state “No Smoking/Flammable Gas/No Open Flames Permitted,” posted in English and any other language typically spoken by users, with minimum two inch high lettering, or, that convey no smoking/no flames by a suitable graphic.
- d. **Propane Extraction:** Only a person trained according to the requirements of the National Fire Protection Association with appropriate equipment shall devalve the tanks, extract the remaining propane, and load or transfer off-site propane tanks with valves.
- e. **Leaking Tanks:** Any leaking tank shall be immediately removed for safe handling.
- f. **Containerize:** After propane is extracted, tanks shall be containerized.