

**SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

855



**FROM:** Economic Development Agency

**SUBMITTAL DATE:**  
May 6, 2010

**SUBJECT:** Acceptance of Energy Efficiency & Conservation Block Grant Funds—American Recovery and Reinvestment Act of 2009

**RECOMMENDED MOTION:** That the Board of Supervisors:

- 1) Authorize the acceptance of grant funds and terms from the Department of Energy in the amount of \$6,591,600 for previously approved projects for the period of August 4, 2009, through August 2, 2012; and
- 2) Authorize the Chairman to sign the grant assistance agreement and attachments.

**BACKGROUND:**

On June 2, 2009, the Board of Supervisors authorized the Economic Development Agency (EDA) to apply for, receive and distribute funding from the Energy Efficiency & Conservation Block Grant Program (EECBC) to eligible parties for eligible activities.

(Continued)

*Robert Field*

Robert Field  
Assistant County Executive Officer/EDA

<b>FINANCIAL DATA</b>	Current F.Y. Total Cost:	\$ 582,000	In Current Year Budget:	Yes
	Current F.Y. Net County Cost:	\$ 0	Budget Adjustment:	No
	Annual Net County Cost:	\$ 0	For Fiscal Year:	09/10 - 11/12

**COMPANION ITEM ON BOARD OF DIRECTORS AGENDA:** No

<b>SOURCE OF FUNDS:</b> Energy Efficiency & Conservation Block Grant Funds (100%) (FY 10-11: \$ 5,459,600—estimated & FY 11-12: \$550,000—estimated)	<b>Positions To Be Deleted Per A-30</b>	<input type="checkbox"/>
	<b>Requires 4/5 Vote</b>	<input type="checkbox"/>

**C.E.O. RECOMMENDATION:**

APPROVE

*Jennifer L. Sargent*

County Executive Office Signature

BY: Jennifer L. Sargent

FISCAL PROCEDURES APPROVED  
 ROBERT E. BYRD, AUDITOR-CONTROLLER  
 BY: Samuel Wong, State  
 MICHELLE CLACK  
 DATE: 5/10  
 Department: SAMUEL WONG  
 FORM APPROVED COUNTY COUNSEL  
 BY: Michelle Clack  
 Dept't Recomm.:  Consent  Policy  Policy  
 Per Exec. Ofc.:  Consent  Policy

Prev. Agn. Ref.: 3.36 of 6/2/09; 3.62 of 11/24/09

District: ALL

Agenda Number:

ATTACHMENTS FILED  
WITH THE CLERK OF THE BOARD

3.15

**BACKGROUND:** (Continued)

On June 18, 2009, EDA submitted its initial application for EECBG funding to the Department of Energy (DOE). On November 24, 2009, the Board of Supervisors approved the project list to be submitted to DOE for funding through the EECBG. On December 1, 2009, EDA submitted the approved project list and required energy strategy documents to DOE for final approval and funding. On April 2, 2010, the DOE approved the County of Riverside's EECBG project list and awarded funding in the amount of \$6,591,600. The funding is available immediately, upon acceptance by the Board of Supervisors. Projects must be completed and funding fully expended by August 2, 2012.

**Project Highlights:** (see attached list)

- EECBG funding will allow the county to install its first solar panel systems on existing County buildings.
- The estimated annual savings in kilowatt hours is 3.2 million, in addition to a demand reduction of over 250 kW. Resulting annual cost savings are projected to be \$400,000.
- One-time rebates from utility companies for performing these projects are estimated to exceed \$525,000. Per DOE guidelines, rebates will be used towards project costs. This means that over \$7 million in projects will be completed.
- Using DOE's job calculation formula, performance of these projects will create an estimated 71 jobs, mainly for vendors who are awarded contracts for these projects

**FINANCIAL DATA:**

There is no cost associated these projects as they are fully funded by the Energy Efficiency & Conservation Block Grant from the Department of Energy and accompanying rebates. Thus, there is no impact to the General Fund and no additional net county cost will be incurred as a result of this transaction.

NOT SPECIFIED /OTHER

**ASSISTANCE AGREEMENT**

1. Award No. DE-EE0000899		2. Modification No. 001		3. Effective Date 08/03/2009		4. CFDA No. 81.128		
5. Awarded To RIVERSIDE, COUNTY OF Attn: SYLVIA FRAZEE P.O. BOX 1180 RIVERSIDE CA 925021180				6. Sponsoring Office Golden Field Office U.S. Department of Energy Golden Field Office 1617 Cole Blvd. Golden CO 80401			7. Period of Performance 08/03/2009 through 08/02/2012	
8. Type of Agreement <input checked="" type="checkbox"/> Grant <input type="checkbox"/> Cooperative Agreement <input type="checkbox"/> Other		9. Authority PL 110-140, EISA 2007 PL 111-5, Recovery Act 2009			10. Purchase Request or Funding Document No. 10EE002611			
11. Remittance Address RIVERSIDE, COUNTY OF Attn: SYLVIA FRAZEE P.O. BOX 1180 RIVERSIDE CA 925021180				12. Total Amount Govt. Share: \$6,591,600.00  Cost Share : \$0.00  Total : \$6,591,600.00		13. Funds Obligated This action: \$6,541,600.00  Total : \$6,591,600.00		
14. Principal Investigator Janet Purchase 951-955-4898		15. Program Manager Amy M. Jiron Phone: 720-356-1639			16. Administrator Golden Field Office U.S. Department of Energy Golden Field Office 1617 Cole Blvd. Golden CO 80401-3393			
17. Submit Payment Requests To				18. Paying Office			19. Submit Reports To See Attachment #2	
20. Accounting and Appropriation Data EECBG								
21. Research Title and/or Description of Project RECOVERY ACT: COUNTY OF RIVERSIDE, CA ENERGY EFFICIENCY & CONSERVATION BLOCK GRANT								
For the Recipient				For the United States of America				
22. Signature of Person Authorized to Sign				25. Signature of Grants/Agreements Officer  Signature on File				
23. Name and Title		24. Date Signed		26. Name of Officer Sara J. Wilson		27. Date Signed 04/02/2010		

FORM APPROVED COUNTY COUNSEL

BY:  STATE DATE  
MICHELLE CLACK

NOT SPECIFIED /OTHER

**CONTINUATION SHEET**

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
DE-EE0000899/001

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NAME OF OFFEROR OR CONTRACTOR  
RIVERSIDE, COUNTY OF

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>DUNS Number: 064772721</p> <p>The purposes of this modification are to:</p> <ol style="list-style-type: none"> <li>1) Approve the Energy Efficiency and Conservation Strategy (EECS);</li> <li>2) Obligate the remaining Recipient allocation, shown in Blocks 12 and 13 of the Assistance Agreement;</li> <li>3) Delete and replace the Special Terms and Conditions;</li> <li>4) Delete and replace Attachment #1, Statement of Project Objectives;</li> <li>5) Delete and replace Attachment #2, Federal Assistance Reporting Checklist and Instructions, DOE F 4600.2;</li> <li>6) Delete and replace Attachment #3, Budget Information, SF-424A;</li> <li>7) Update the DOE Contacts, as shown below; and</li> <li>8) Update the Description of Project in Block 21 of the Assistance Agreement.</li> </ol> <p>All other terms and conditions remain unchanged.</p> <p>Please note that Blocks 12 and 13 of this Assistance Agreement indicate the Total Obligated Amount of this project, which is the Recipient's total allocation. The full allocation will be made available in ASAP through this action; however, the restrictions outlined in Provision Number 16, National Environmental Policy Act (NEPA) Requirements; Provision Number 20, Subgrants and Loans; and Provision Number 21, Justification of Budget Costs in the Special Terms and Conditions, limit the amount that can be drawn down in ASAP. Funding drawdowns shall be made strictly in accordance with the Payment Procedures provision. Funds may NOT be drawn down to support activities or cost items that are conditioned without previously satisfying the requirements outlined in these provisions.</p> <p>Continued ...</p>				

**CONTINUATION SHEET**

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
DE-EE0000899/001

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NAME OF OFFEROR OR CONTRACTOR  
RIVERSIDE, COUNTY OF

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>DOE Award Administrator: Yolanda Ramirez E-mail: yolanda.ramirez@go.doe.gov Phone: 303-275-4908</p> <p>DOE Project Officer: Amy Jiron E-mail: amy.jiron@go.doe.gov Phone: 720-356-1639</p> <p>Recipient Business Officer: Janet Purchase E-mail: JPurchase@rivcoeda.org Phone: 951-955-4898</p> <p>Recipient Principal Investigator: Janet Purchase E-mail: JPurchase@rivcoeda.org Phone: 951-955-4898</p> <p>Electronic signature or signatures as used in this document means a method of signing an electronic message that-- (A) Identifies and authenticates a particular person as the source of the electronic message; (B) Indicates such person's approval of the information contained in the electronic message; and, (C) Submission via FedConnect constitutes electronically signed documents.</p> <p>ASAP: Yes Extent Competed: NOT AVAIL FOR COMP Davis-Bacon Act: YES Fund: 05796 Appr Year: 2009 Allottee: 31 Report Entity: 200835 Object Class: 41020 Program: 1005115 Project: 2004350 WFO: 0000000 Local Use: 0000000 TAS Agency: 89 TAS Account: 0331</p>				

## Energy Efficiency Conservation Block Grant (EECBG) FINAL Project List

Project Location	Address	City	Proposed Project	Total Project Cost
Twin Pines Ranch	49500 Twin Pines Rd.	Banning	Lighting retrofit	\$39,371
Edward Dean Museum	9401 Oak Glen Rd.	Cherry Valley	HVAC Retrofit--Admin Bldg	\$12,650
County-wide	Multiple locations	County-wide	Traffic signal LED retrofit (amber)	\$125,830
County-wide	Multiple locations	County-wide	Illuminated street sign LED retrofit	\$481,280
County-wide	County-wide	County-wide	RPU/County Partnership--GreenQuest	\$32,000
County-wide	County-wide	County-wide	Energy Strategy Consultant	\$50,000
County-wide	County-wide	County-wide	AB 32--General Plan Compliance	\$750,000
County-wide	County-wide	County-wide	SB 375--General Plan Compliance	\$450,000
Fire Station #23	24919 Marion Ridge Rd.	Idyllwild	Insulated Bay Doors	\$15,400
Indio Juvenile Hall	47665 Oasis St.	Indio	Chiller replacement	\$157,500
County Fairgrounds	46-350 Arabia St.	Indio	HVAC Upgrade	\$140,317
Indio Hills Community Ctr	80-400 Dillon Rd.	Indio	Shade Structure Solar System (8 kW)	\$52,856
Ben Clark Training Center	16958 Bundy Ave.	Moreno Valley	Chiller replacement	\$141,206
SWJC Detention Center	30755 Auld Rd.	Murietta	Lighting retrofit	\$233,304
Roy's Desert Resource Ctr	19531 McLane	Palm Springs	Rooftop Wind Turbines	\$129,200
County Farm Central Plant	4090 County Circle Dr.	Riverside	Chiller replacements/Building Controls/VFDs	\$1,158,445
Riverside District Attorney	4075 Main St.	Riverside	Glaze exterior windows	\$70,266
CAC Parking Structure	4090 Lemon St.	Riverside	Carpport Solar System (110 kW) & LED Lighting Retrofit	\$750,577

**Energy Efficiency Conservation Block Grant (EECBG) FINAL Project List**

<b>Project Location</b>	<b>Address</b>	<b>City</b>	<b>Proposed Project</b>	<b>Total Project Cost</b>
March JPA	23555 Meyer Dr.	Riverside	Greenhouse Gas Emissions Inventory (subgrant)	\$15,000
Eddie Dee Smith Senior Ctr	5888 Mission Blvd.	Rubidoux	HVAC Retrofit	\$115,500
Fleet Services Fuel	5293 Mission Blvd.	Rubidoux	Carport/Roof Solar System (140 kW)	\$1,435,608
Temecula CAC	41002 County Ctr Dr.	Temecula	Building Controls/VFDs	\$235,290
<b>SUBTOTAL -PROJECTS</b>				<b>\$6,591,600</b>
<b>TOTAL EECBG GRANT</b>				<b>\$6,591,600</b>
<b>BALANCE</b>				<b>\$0</b>

**SPECIAL TERMS AND CONDITIONS**

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## 1. RESOLUTION OF CONFLICTING CONDITIONS

Any apparent inconsistency between Federal statutes and regulations and the terms and conditions contained in this award must be referred to the DOE Award Administrator for guidance.

## 2. AWARD AGREEMENT TERMS AND CONDITIONS

This award/agreement consists of the Assistance Agreement, plus the following:

- a. Special Terms and Conditions.
- b. Attachments:

Attachment Number	Title
1.	Statement of Project Objectives
2.	Federal Assistance Reporting Checklist and Instructions
3.	Budget Pages (SF 424A)
- c. DOE Assistance Regulations, 10 CFR Part 600 at <http://ecfr.gpoaccess.gov>.
- d. Application/proposal as approved by DOE.
- e. National Policy Assurances to Be Incorporated as Award Terms in effect on date of award at [http://management.energy.gov/business\\_doe/1374.htm](http://management.energy.gov/business_doe/1374.htm).

## 3. ELECTRONIC AUTHORIZATION OF AWARD DOCUMENTS

Acknowledgement of award documents by the Recipient's authorized representative through electronic systems used by the Department of Energy, specifically FedConnect, constitutes the Recipient's acceptance of the terms and conditions of the award. Acknowledgement via FedConnect by the Recipient's authorized representative constitutes the Recipient's electronic signature.

## 4. PAYMENT PROCEDURES - ADVANCES THROUGH THE AUTOMATED STANDARD APPLICATION FOR PAYMENTS (ASAP) SYSTEM

- a. Method of Payment. Payment will be made by advances through the Department of Treasury's ASAP system.
- b. Requesting Advances. Requests for advances must be made through the ASAP system. You may submit requests as frequently as required to meet your needs to disburse funds for the Federal share of project costs. If feasible, you should time each request so that you receive payment on the same day that you disperse funds for direct project costs and the proportionate share of any allowable indirect costs. If same-day transfers are not feasible, advance payments must be as close to actual disbursements as administratively feasible.
- c. Adjusting payment requests for available cash. You must disburse any funds that are available from repayments to and interest earned on a revolving fund, program income,

rebates, refunds, contract settlements, audit recoveries, credits, discounts, and interest earned on any of those funds before requesting additional cash payments from DOE.

- d. Payments. All payments are made by electronic funds transfer to the bank account identified on the ASAP Bank Information Form that you filed with the U.S. Department of Treasury.

## **5. CEILING ON ADMINISTRATIVE COSTS**

- a. Local government and Indian Tribe Recipients may not use more than 10 percent of amounts provided under this program, or \$75,000, whichever is greater (EISA Sec 545 (b)(3)(A)), for administrative expenses, excluding the costs of meeting the reporting requirements under Title V, Subtitle E of EISA. These costs should be captured and summarized for each activity under the Projected Costs Within Budget: Administration.
- b. Recipients are expected to manage their administrative costs. DOE will not amend an award solely to provide additional funds for changes in administrative costs. The Recipient shall not be reimbursed on this project for any final administrative costs that are in excess of the designated 10 percent administrative cost ceiling. In addition, the Recipient shall neither count costs in excess of the administrative cost ceiling as cost share, nor allocate such costs to other federally sponsored project, unless approved by the Contracting Officer.

## **6. LIMITATIONS ON USE OF FUNDS**

- a. By accepting funds under this award, you agree that none of the funds obligated on the award shall be expended, directly or indirectly, for gambling establishments, aquariums, zoos, golf courses or swimming pools.
- b. Local government and Indian tribe Recipients may not use more than 20 percent of the amounts provided or \$250,000, whichever is greater (EISA Sec 545 (b)(3)(B)), for the establishment of revolving loan funds.
- c. Local government and Indian tribe Recipients may not use more than 20 percent of the amounts provided or \$250,000, whichever is greater (EISA Sec 545 (b)(3)(C)), for subgrants to nongovernmental organizations for the purpose of assisting in the implementation of the energy efficiency and conservation strategy of the eligible unit of local government or Indian tribe.

## **7. REIMBURSABLE FRINGE BENEFIT COSTS**

- a. The Recipient is expected to manage their final negotiated project budgets, including their fringe benefit costs. DOE will not amend an award solely to provide additional funds for changes in the fringe benefit costs or for changes in rates used for calculating these costs. DOE recognizes that the inability to obtain full reimbursement for fringe

benefit costs means the Recipient must absorb the underrecovery. Such underrecovery may be allocated as part of the Recipient's cost share.

- b. If actual allowable fringe benefit costs are less than those budgeted and funded under the award, the Recipient may use the difference to pay additional allowable direct costs during the project period. If at the completion of the award the Government's share of total allowable costs (i.e., direct and indirect), is less than the total costs reimbursed, the Recipient must refund the difference.

## **8. INDIRECT COSTS ARE NOT REIMBURSABLE**

The budget for this award does not include indirect costs. Therefore, these expenses shall not be charged to nor reimbursement requested for this project nor shall the indirect costs from this project be allocated to any other federally sponsored project. In addition, indirect costs shall not be counted as cost share unless approved by the Contracting Officer. This restriction does not apply to subawardees' indirect costs.

## **9. USE OF PROGRAM INCOME**

If you earn program income during the project period as a result of this award, you may add the program income to the funds committed to the award and used to further eligible project objectives.

## **10. STATEMENT OF FEDERAL STEWARDSHIP**

DOE will exercise normal Federal stewardship in overseeing the project activities performed under this award. Stewardship activities include, but are not limited to, conducting site visits; reviewing performance and financial reports; providing technical assistance and/or temporary intervention in unusual circumstances to correct deficiencies which develop during the project; assuring compliance with terms and conditions; and reviewing technical performance after project completion to ensure that the award objectives have been accomplished.

## **11. SITE VISITS**

DOE's authorized representatives have the right to make site visits at reasonable times to review project accomplishments and management control systems and to provide technical assistance, if required. You must provide, and must require your subawardees to provide, reasonable access to facilities, office space, resources, and assistance for the safety and convenience of the government representatives in the performance of their duties. All site visits and evaluations must be performed in a manner that does not unduly interfere with or delay the work.

## 12. REPORTING REQUIREMENTS

- a. Requirements. The reporting requirements for this award are identified on the Federal Assistance Reporting Checklist, DOE F 4600.2, attached to this award. Failure to comply with these reporting requirements is considered a material noncompliance with the terms of the award. Noncompliance may result in withholding of future payments, suspension or termination of the current award, and withholding of future awards. A willful failure to perform, a history of failure to perform, or unsatisfactory performance of this and/or other financial assistance awards, may also result in a debarment action to preclude future awards by Federal agencies.
- b. Additional Recovery Act Reporting Requirements are found in the Provision below labeled: "REPORTING AND REGISTRATION REQUIREMENTS UNDER SECTION 1512 OF THE RECOVERY ACT."

## 13. PUBLICATIONS

- a. You are encouraged to publish or otherwise make publicly available the results of the work conducted under the award.
- b. An acknowledgment of DOE support and a disclaimer must appear in the publication of any material, whether copyrighted or not, based on or developed under this project, as follows:

*Acknowledgment:* "This material is based upon work supported by the Department of Energy [National Nuclear Security Administration] [add name(s) of other agencies, if applicable] under Award Number(s) [enter the award number(s)]."

*Disclaimer:* "This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof."

## 14. FEDERAL, STATE, AND MUNICIPAL REQUIREMENTS

You must obtain any required permits, ensure the safety and structural integrity of any repair, replacement, construction and/or alteration, and comply with applicable federal, state, and municipal laws, codes, and regulations for work performed under this award.

## **15. LOBBYING RESTRICTIONS**

By accepting funds under this award, you agree that none of the funds obligated on the award shall be expended, directly or indirectly, to influence congressional action on any legislation or appropriation matters pending before Congress, other than to communicate to Members of Congress as described in 18 U.S.C. 1913. This restriction is in addition to those prescribed elsewhere in statute and regulation.

## **16. NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) REQUIREMENTS**

You are restricted from taking any action using Federal funds, which would have an adverse effect on the environment or limit the choice of reasonable alternatives prior to DOE providing either a NEPA clearance or a final NEPA decision regarding this project.

If you move forward with activities that are not authorized for Federal funding by the DOE Contracting Officer in advance of the final NEPA decision, you are doing so at risk of not receiving Federal funding and such costs may not be recognized as allowable cost share.

The County of Riverside, CA will use DOE funds for the following activities, all of which are bounded by the signed Statement of Work (SOW):

- Activity #1: Development of Energy Efficiency & Conservation Strategy—Consultant Services
- Activity #2: Indio Hills Community Center-- Solar Installation
- Activity #3: Amber LED Traffic Signal Indication Retrofit
- Activity #4: Internally Illuminated Street Name Sign LED Retrofit
- Activity #5: County Farm Central Plant Chiller Upgrades/VFD's/Controls
- Activity #6: District Attorney Building Window Glazing
- Activity #8: Eddie Dee Smith Senior Center HVAC Upgrade
- Activity #10: Temecula County Administration Center—Building Controls/VFD's
- Activity #11: Fire Station #23--Insulated Bay Doors
- Activity #12: Southwest Justice Detention Center Lighting Retrofit
- Activity #13: Indio Juvenile Hall Chiller Upgrade
- Activity #14: County Fairgrounds—Fullenwider Auditorium HVAC Upgrade
- Activity #15: Ben Clark Training Center Chiller Upgrade
- Activity #16: Edward Dean Museum Admin Building HVAC Upgrade
- Activity #17: Twin Pines Ranch Lighting Retrofit
- Activity #18: Roy's Desert Resource Center Rooftop Wind Turbines
- Activity #19: Climate Action Plan for the March JPA Planning Area
- Activity #20: County of Riverside/ Riverside Public Utilities Joint "GreenQuest" Website Sponsorship
- Activity #21: GHG Inventory
- Activity #22: Riverside County Climate Action Plan

DOE has made a final NEPA determination for the bounded projects, which are categorically excluded from further NEPA review.

Activity #7: Riverside County Administration Center (CAC) Parking Structure Solar & LED Retrofit involves installation of a 110kW Solar PV system on the rooftop of the parking structure, which has been categorically excluded.

Activity #9: Rubidoux Fleet Services Building--Solar System Installation involves the installation of a ground mounted solar PV system in an existing parking lot. All waste disposal will be the responsibility of the Recipient and will be done in accordance with all local, state, and Federal regulations. During the bidding process, all contractors will be required to submit a written waste disposal plan to the Recipient along with bid documents.

Any project submitted for EECBG funding that fall outside the bounds of the signed SOW, other than the solar rooftop installation included under Activity #7 and the solar system installation under Activity #9, will require a separate NEPA determination review.

If this award includes construction activities, you must submit an environmental evaluation report/evaluation notification form addressing NEPA issues prior to DOE initiating the NEPA process.

## **17. HISTORIC PRESERVATION**

Prior to the expenditure of Project funds to alter any historic structure or site, the Recipient or subrecipient shall ensure that it is compliant with Section 106 of the National Historic Preservation Act (NHPA), consistent with DOE's 2009 letter of delegation of authority regarding the NHPA. Section 106 applies to historic properties that are listed in or eligible for listing in the National Register of Historic Places. If applicable, the Recipient or subrecipient must contact the State Historic Preservation Officer (SHPO), and the Tribal Historic Preservation Officer (THPO) to coordinate the Section 106 review outlined in 36 CFR Part 800. In the event that a State, State SHPO and DOE enter into a Programmatic Agreement, the terms of that Programmatic Agreement shall apply to all recipient and subrecipient activities within that State. SHPO contact information is available at the following link: <http://www.ncshpo.org/find/index.htm>. THPO contact information is available at the following link: <http://www.nathpo.org/map.html>. Section 110(k) of the NHPA applies to DOE funded activities.

The Recipient or subrecipient certifies that it will retain sufficient documentation to demonstrate that the Recipient or subrecipient has received required approval(s) from the SHPO or THPO for the Project. Recipients or subrecipients shall avoid taking any action that results in an adverse effect to historic properties pending compliance with Section 106. The Recipient or subrecipient shall deem compliance with Section 106 of the NHPA complete only after it has received this documentation. The Recipient or subrecipient shall make this documentation available to DOE on DOE's request (for example, during a post-award audit). Recipient will be required to report annually on September 1 the disposition of all historic preservation consultations by category.

## **18. WASTE STREAM**

The Recipient assures that it will create or obtain a waste management plan addressing waste generated by a proposed Project prior to the Project generating waste. This waste management plan will describe the Recipient's or subrecipient's plan to dispose of any sanitary or hazardous waste (e.g., construction and demolition debris, old light bulbs, lead ballasts, piping, roofing material, discarded equipment, debris, and asbestos) generated as a result of the proposed Project. The Recipient shall ensure that the Project is in compliance with all Federal, state and local regulations for waste disposal. The Recipient shall make the waste management plan and related documentation available to DOE on DOE's request (for example, during a post-award audit).

## **19. DECONTAMINATION AND/OR DECOMMISSIONING (D&D) COSTS**

Notwithstanding any other provisions of this Agreement, the Government shall not be responsible for or have any obligation to the Recipient for (i) Decontamination and/or Decommissioning (D&D) of any of the Recipient's facilities, or (ii) any costs which may be incurred by the Recipient in connection with the D&D of any of its facilities due to the performance of the work under this Agreement, whether said work was performed prior to or subsequent to the effective date of the Agreement.

## **20. SUBGRANTS AND LOANS**

- a. The Recipient hereby warrants that it will ensure that all activities by sub-grantee(s) and loan recipients to accomplish the approved Project Description or Statement of Project Objectives are eligible activities under 42 U.S.C. 171534(1)-(13). State recipients hereby warrant that they will ensure that all activities by sub-grantee(s) and loan recipients pursuant to 42 U.S.C. 17155(c)(1)(A) to accomplish the approved Project Description or Statement of Project objects are eligible activities under 42 U.S.C. 171534(3)-(13).
- b. Upon the Recipient's selection of the sub-grantee(s) and loan recipients, the Recipient shall notify (i.e. approval not required) the DOE Contracting Officer with the following information for each, regardless of dollar amount:
  - Name of Sub-Grantee
  - DUNS Number
  - Award Amount
  - Statement of work including applicable activities

State recipients shall notify the DOE Contracting Officer with the above information within 180 days of the award date in Block 27 of the Assistance Agreement Cover Page.

- c. In addition to the information in paragraph b. above, for each sub-grant and loan that has an estimated cost greater than \$10,000,000, the recipient must submit for approval by the Contracting Officer, a SF424A Budget Information – Nonconstruction Programs, and PMC 123.1 Cost Reasonableness Determination for Financial Assistance (available at <http://www.eere-pmc.energy.gov/forms.aspx>).

## **21. JUSTIFICATION OF BUDGET COSTS**

a. In the original application, the recipient did not provide sufficient information to justify the approval or release of funds for the proposed activities. In order to receive reimbursement for the costs associated with the activities listed in the approved Statement of Project Objectives (SOPO), a justification for all proposed costs must be submitted to the DOE Contracting Officer.

b. The Recipient must provide justification for the following costs:

### **Contractual Costs:**

1. The recipient shall provide the following information for each individual or company that will receive EECBG funding, regardless of dollar amount:

- Name
- DUNS Number
- Award Amount
- Statement of work including applicable activities
- NEPA documentation, as applicable

2. In addition to the information in paragraph 1. above, for each individual or company that has an estimated cost greater than \$10,000,000, the Recipient must submit a separate SF424A Budget Information – Nonconstruction Programs, and Budget Justification. The DOE Contracting Officer may require additional information concerning these individuals or companies prior to providing written approval.

c. Upon written notification and/or approval by the Contracting Officer, the Recipient may then receive payment for the activities listed in the approved SOPO for allowable costs incurred in accordance with the payment provisions contained in the Special Terms and Conditions of this agreement. These written notifications and/or approvals will be incorporated into the award by formal modification at a future date.

## **22. ADVANCE UNDERSTANDING CONCERNING PUBLICLY FINANCED ENERGY IMPROVEMENT PROGRAMS**

The parties recognize that the Recipient may use funds under this award for Property-Assessed Clean Energy (PACE) loans, Sustainable Energy Municipal Financing, Clean Energy Assessment Districts, Energy Loan Tax Assessment Programs (ELTAPS), or any other form or derivation of Special Taxing District whereby taxing entities collect payments through increased tax assessments for energy efficiency and renewable energy building improvements made by their constituents. The Department of Energy intends to publish "Best Practices" or other guidelines pertaining to the use of funds made available to the Recipient under this award pertaining to the programs identified herein. By accepting this award, the Recipient agrees to incorporate, to the maximum extent practicable, those Best Practices and other guidelines into any such program(s) within a reasonable time after



notification by DOE that the Best Practices or guidelines have been made available. The Recipient also agrees, by its acceptance of this award, to require its sub-recipients to incorporate to the maximum extent practicable the best practices and other guideline into any such program used by the sub-recipient.

### **23. SPECIAL PROVISIONS RELATING TO WORK FUNDED UNDER AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009 (May 2009)**

#### **Preamble**

The American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, (Recovery Act) was enacted to preserve and create jobs and promote economic recovery, assist those most impacted by the recession, provide investments needed to increase economic efficiency by spurring technological advances in science and health, invest in transportation, environmental protection, and other infrastructure that will provide long-term economic benefits, stabilize State and local government budgets, in order to minimize and avoid reductions in essential services and counterproductive State and local tax increases. Recipients shall use grant funds in a manner that maximizes job creation and economic benefit.

The Recipient shall comply with all terms and conditions in the Recovery Act relating generally to governance, accountability, transparency, data collection and resources as specified in Act itself and as discussed below.

Recipients should begin planning activities for their first tier subrecipients, including obtaining a DUNS number (or updating the existing DUNS record), and registering with the Central Contractor Registration (CCR).

Be advised that Recovery Act funds can be used in conjunction with other funding as necessary to complete projects, but tracking and reporting must be separate to meet the reporting requirements of the Recovery Act and related guidance. For projects funded by sources other than the Recovery Act, Contractors must keep separate records for Recovery Act funds and to ensure those records comply with the requirements of the Act.

The Government has not fully developed the implementing instructions of the Recovery Act, particularly concerning specific procedural requirements for the new reporting requirements. The Recipient will be provided these details as they become available. The Recipient must comply with all requirements of the Act. If the recipient believes there is any inconsistency between ARRA requirements and current award terms and conditions, the issues will be referred to the Contracting Officer for reconciliation.

#### **Definitions**

For purposes of this clause, Covered Funds means funds expended or obligated from appropriations under the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5. Covered Funds will have special accounting codes and will be identified as Recovery Act funds in the grant, cooperative agreement or TIA and/or modification using Recovery Act

funds. Covered Funds must be reimbursed by September 30, 2015.

Non-Federal employer means any employer with respect to covered funds -- the contractor, subcontractor, grantee, or recipient, as the case may be, if the contractor, subcontractor, grantee, or recipient is an employer; and any professional membership organization, certification of other professional body, any agent or licensee of the Federal government, or any person acting directly or indirectly in the interest of an employer receiving covered funds; or with respect to covered funds received by a State or local government, the State or local government receiving the funds and any contractor or subcontractor receiving the funds and any contractor or subcontractor of the State or local government; and does not mean any department, agency, or other entity of the federal government.

Recipient means any entity that receives Recovery Act funds directly from the Federal government (including Recovery Act funds received through grant, loan, or contract) other than an individual and includes a State that receives Recovery Act Funds.

#### Special Provisions

##### A. Flow Down Requirement

Recipients must include these special terms and conditions in any subaward.

##### B. Segregation of Costs

Recipients must segregate the obligations and expenditures related to funding under the Recovery Act. Financial and accounting systems should be revised as necessary to segregate, track and maintain these funds apart and separate from other revenue streams. No part of the funds from the Recovery Act shall be commingled with any other funds or used for a purpose other than that of making payments for costs allowable for Recovery Act projects.

##### C. Prohibition on Use of Funds

None of the funds provided under this agreement derived from the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, may be used by any State or local government, or any private entity, for any casino or other gambling establishment, aquarium, zoo, golf course, or swimming pool.

##### D. Access to Records

With respect to each financial assistance agreement awarded utilizing at least some of the funds appropriated or otherwise made available by the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, any representative of an appropriate inspector general appointed under section 3 or 8G of the Inspector General Act of 1988 (5 U.S.C. App.) or of the Comptroller General is authorized --

- (1) to examine any records of the contractor or grantee, any of its subcontractors or

subgrantees, or any State or local agency administering such contract that pertain to, and involve transactions that relate to, the subcontract, subcontract, grant, or subgrant; and

(2) to interview any officer or employee of the contractor, grantee, subgrantee, or agency regarding such transactions.

E. Publication

An application may contain technical data and other data, including trade secrets and/or privileged or confidential information, which the applicant does not want disclosed to the public or used by the Government for any purpose other than the application. To protect such data, the applicant should specifically identify each page including each line or paragraph thereof containing the data to be protected and mark the cover sheet of the application with the following Notice as well as referring to the Notice on each page to which the Notice applies:

Notice of Restriction on Disclosure and Use of Data

The data contained in pages ---- of this application have been submitted in confidence and contain trade secrets or proprietary information, and such data shall be used or disclosed only for evaluation purposes, provided that if this applicant receives an award as a result of or in connection with the submission of this application, DOE shall have the right to use or disclose the data here to the extent provided in the award. This restriction does not limit the Government's right to use or disclose data obtained without restriction from any source, including the applicant.

Information about this agreement will be published on the Internet and linked to the website [www.recovery.gov](http://www.recovery.gov), maintained by the Accountability and Transparency Board. The Board may exclude posting contractual or other information on the website on a case-by-case basis when necessary to protect national security or to protect information that is not subject to disclosure under sections 552 and 552a of title 5, United States Code.

F. Protecting State and Local Government and Contractor Whistleblowers.

The requirements of Section 1553 of the Act are summarized below. They include, but are not limited to:

Prohibition on Reprisals: An employee of any non-Federal employer receiving covered funds under the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, may not be discharged, demoted, or otherwise discriminated against as a reprisal for disclosing, including a disclosure made in the ordinary course of an employee's duties, to the Accountability and Transparency Board, an inspector general, the Comptroller General, a member of Congress, a State or Federal regulatory or law enforcement agency, a person with supervisory authority over the employee (or other person working for the employer who has the authority to investigate, discover or terminate misconduct), a court or grand jury, the head of a Federal agency, or their representatives information that the employee believes is evidence of:

- gross management of an agency contract or grant relating to covered funds;

- a gross waste of covered funds;
- a substantial and specific danger to public health or safety related to the implementation or use of covered funds;
- an abuse of authority related to the implementation or use of covered funds; or
- as violation of law, rule, or regulation related to an agency contract (including the competition for or negotiation of a contract) or grant, awarded or issued relating to covered funds.

Agency Action: Not later than 30 days after receiving an inspector general report of an alleged reprisal, the head of the agency shall determine whether there is sufficient basis to conclude that the non-Federal employer has subjected the employee to a prohibited reprisal. The agency shall either issue an order denying relief in whole or in part or shall take one or more of the following actions:

- Order the employer to take affirmative action to abate the reprisal.
- Order the employer to reinstate the person to the position that the person held before the reprisal, together with compensation including back pay, compensatory damages, employment benefits, and other terms and conditions of employment that would apply to the person in that position if the reprisal had not been taken.
- Order the employer to pay the employee an amount equal to the aggregate amount of all costs and expenses (including attorneys' fees and expert witnesses' fees) that were reasonably incurred by the employee for or in connection with, bringing the complaint regarding the reprisal, as determined by the head of a court of competent jurisdiction.

Nonenforceability of Certain Provisions Waiving Rights and remedies or Requiring Arbitration: Except as provided in a collective bargaining agreement, the rights and remedies provided to aggrieved employees by this section may not be waived by any agreement, policy, form, or condition of employment, including any predispute arbitration agreement. No predispute arbitration agreement shall be valid or enforceable if it requires arbitration of a dispute arising out of this section.

Requirement to Post Notice of Rights and Remedies: Any employer receiving covered funds under the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, shall post notice of the rights and remedies as required therein. (Refer to section 1553 of the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, [www.Recovery.gov](http://www.Recovery.gov), for specific requirements of this section and prescribed language for the notices.).

#### G. Reserved

#### H. False Claims Act

Recipient and sub-recipients shall promptly refer to the DOE or other appropriate Inspector General any credible evidence that a principal, employee, agent, contractor, sub-grantee, subcontractor or other person has submitted a false claim under the False Claims Act or has committed a criminal or civil violation of laws pertaining to fraud, conflict of interest, bribery, gratuity or similar misconduct involving those funds.

I. Information in Support of Recovery Act Reporting

Recipient may be required to submit backup documentation for expenditures of funds under the Recovery Act including such items as timecards and invoices. Recipient shall provide copies of backup documentation at the request of the Contracting Officer or designee.

J. Availability of Funds

Funds obligated to this award are available for reimbursement of costs until 36 months after the award date.

K. Additional Funding Distribution and Assurance of Appropriate Use of Funds

Certification by Governor – For funds provided to any State or agency thereof by the American Reinvestment and Recovery Act of 2009, Pub. L. 111-5, the Governor of the State shall certify that: 1) the state will request and use funds provided by the Act; and 2) the funds will be used to create jobs and promote economic growth.

Acceptance by State Legislature -- If funds provided to any State in any division of the Act are not accepted for use by the Governor, then acceptance by the State legislature, by means of the adoption of a concurrent resolution, shall be sufficient to provide funding to such State.

Distribution -- After adoption of a State legislature's concurrent resolution, funding to the State will be for distribution to local governments, councils of government, public entities, and public-private entities within the State either by formula or at the State's discretion.

L. Certifications

With respect to funds made available to State or local governments for infrastructure investments under the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, the Governor, mayor, or other chief executive, as appropriate, certified by acceptance of this award that the infrastructure investment has received the full review and vetting required by law and that the chief executive accepts responsibility that the infrastructure investment is an appropriate use of taxpayer dollars. Recipient shall provide an additional certification that includes a description of the investment, the estimated total cost, and the amount of covered funds to be used for posting on the Internet. A State or local agency may not receive infrastructure investment funding from funds made available by the Act unless this certification is made and posted.

**24. REPORTING AND REGISTRATION REQUIREMENTS UNDER SECTION 1512 OF THE RECOVERY ACT**

(a) This award requires the recipient to complete projects or activities which are funded under the American Recovery and Reinvestment Act of 2009 (Recovery Act) and to report

on use of Recovery Act funds provided through this award. Information from these reports will be made available to the public.

(b) The reports are due no later than ten calendar days after each calendar quarter in which the Recipient receives the assistance award funded in whole or in part by the Recovery Act.

(c) Recipients and their first-tier subrecipients must maintain current registrations in the Central Contractor Registration (<http://www.ccr.gov>) at all times during which they have active federal awards funded with Recovery Act funds. A Dun and Bradstreet Data Universal Numbering System (DUNS) Number (<http://www.dnb.com>) is one of the requirements for registration in the Central Contractor Registration.

(d) The recipient shall report the information described in section 1512(c) of the Recovery Act using the reporting instructions and data elements that will be provided online at <http://www.FederalReporting.gov> and ensure that any information that is pre-filled is corrected or updated as needed.

## **25. NOTICE REGARDING THE PURCHASE OF AMERICAN-MADE EQUIPMENT AND PRODUCTS -- SENSE OF CONGRESS**

It is the sense of the Congress that, to the greatest extent practicable, all equipment and products purchased with funds made available under this award should be American-made.

\*Special Note: Definitization of the Provisions entitled, "REQUIRED USE OF AMERICAN IRON, STEEL, AND MANUFACTURED GOODS – SECTION 1605 OF THE AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009" and "REQUIRED USE OF AMERICAN IRON, STEEL, AND MANUFACTURED GOODS (COVERED UNDER INTERNATIONAL AGREEMENTS) – SECTION 1605 OF THE AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009" will be done upon definition and review of final activities.

## **26. REQUIRED USE OF AMERICAN IRON, STEEL, AND MANUFACTURED GOODS – SECTION 1605 OF THE AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009**

If the Recipient determines at any time that any construction, alteration, or repair activity on a public building or public works will be performed during the course of the project, the Recipient shall notify the Contracting Officer prior to commencing such work and the following provisions shall apply.

(a) *Definitions.* As used in this award term and condition—

(1) *Manufactured good* means a good brought to the construction site for incorporation into the building or work that has been—

(i) Processed into a specific form and shape; or

(ii) Combined with other raw material to create a material that has different properties than the properties of the individual raw materials.

(2) *Public building and public work* means a public building of, and a public work of, a governmental entity (the United States; the District of Columbia; commonwealths, territories, and minor outlying islands of the United States; State and local governments; and multi-State, regional, or interstate entities which have governmental functions). These buildings and works may include, without limitation, bridges, dams, plants, highways, parkways, streets, subways, tunnels, sewers, mains, power lines, pumping stations, heavy generators, railways, airports, terminals, docks, piers, wharves, ways, lighthouses, buoys, jetties, breakwaters, levees, and canals, and the construction, alteration, maintenance, or repair of such buildings and works.

(3) *Steel* means an alloy that includes at least 50 percent iron, between .02 and 2 percent carbon, and may include other elements.

(b) *Domestic preference.* (1) This award term and condition implements Section 1605 of the American Recovery and Reinvestment Act of 2009 (Recovery Act) (Pub. L. 111-5), by requiring that all iron, steel, and manufactured goods used in the project are produced in the United States except as provided in paragraph (b)(3) of this section and condition.

(2) This requirement does not apply to the material listed by the Federal Government as follows:

To Be Determined

(3) The award official may add other iron, steel, and/or manufactured goods to the list in paragraph (b)(2) of this section and condition if the Federal Government determines that—

(i) The cost of the domestic iron, steel, and/or manufactured goods would be unreasonable. The cost of domestic iron, steel, or manufactured goods used in the project is unreasonable when the cumulative cost of such material will increase the cost of the overall project by more than 25 percent;

(ii) The iron, steel, and/or manufactured good is not produced, or manufactured in the United States in sufficient and reasonably available quantities and of a satisfactory quality; or

(iii) The application of the restriction of section 1605 of the Recovery Act would be inconsistent with the public interest.

(c) *Request for determination of inapplicability of Section 1605 of the Recovery Act.* (1)(i) Any recipient request to use foreign iron, steel, and/or manufactured goods in accordance with paragraph (b)(3) of this section shall include adequate information for Federal Government evaluation of the request, including—

- (A) A description of the foreign and domestic iron, steel, and/or manufactured goods;
  - (B) Unit of measure;
  - (C) Quantity;
  - (D) Cost;
  - (E) Time of delivery or availability;
  - (F) Location of the project;
  - (G) Name and address of the proposed supplier; and
  - (H) A detailed justification of the reason for use of foreign iron, steel, and/or manufactured goods cited in accordance with paragraph (b)(3) of this section.
- (ii) A request based on unreasonable cost shall include a reasonable survey of the market and a completed cost comparison table in the format in paragraph (d) of this section.
  - (iii) The cost of iron, steel, and/or manufactured goods material shall include all delivery costs to the construction site and any applicable duty.
  - (iv) Any recipient request for a determination submitted after Recovery Act funds have been obligated for a project for construction, alteration, maintenance, or repair shall explain why the recipient could not reasonably foresee the need for such determination and could not have requested the determination before the funds were obligated. If the recipient does not submit a satisfactory explanation, the award official need not make a determination.
- (2) If the Federal Government determines after funds have been obligated for a project for construction, alteration, maintenance, or repair that an exception to section 1605 of the Recovery Act applies, the award official will amend the award to allow use of the foreign iron, steel, and/or relevant manufactured goods. When the basis for the exception is nonavailability or public interest, the amended award shall reflect adjustment of the award amount, redistribution of budgeted funds, and/or other actions taken to cover costs associated with acquiring or using the foreign iron, steel, and/or relevant manufactured goods. When the basis for the exception is the unreasonable cost of the domestic iron, steel, or manufactured goods, the award official shall adjust the award amount or redistribute budgeted funds by at least the differential established in 2 CFR 176.110(a).
- (3) Unless the Federal Government determines that an exception to section 1605 of the Recovery Act applies, use of foreign iron, steel, and/or manufactured goods is noncompliant with section 1605 of the American Recovery and Reinvestment Act.



(d) *Data.* To permit evaluation of requests under paragraph (b) of this section based on unreasonable cost, the Recipient shall include the following information and any applicable supporting data based on the survey of suppliers:

**Foreign and Domestic Items Cost Comparison**

Description	Unit of measure	Quantity	Cost (dollars)*
<i>Item 1:</i>			
Foreign steel, iron, or manufactured good	_____	_____	_____
Domestic steel, iron, or manufactured good	_____	_____	_____
<i>Item 2:</i>			
Foreign steel, iron, or manufactured good	_____	_____	_____
Domestic steel, iron, or manufactured good	_____	_____	_____

List name, address, telephone number, email address, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary.

Include other applicable supporting information.

\*Include all delivery costs to the construction site.

**27. REQUIRED USE OF AMERICAN IRON, STEEL, AND MANUFACTURED GOODS (COVERED UNDER INTERNATIONAL AGREEMENTS) – SECTION 1605 OF THE AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009**

(a) *Definitions.* As used in this award term and condition—

*Designated country* — (1) A World Trade Organization Government Procurement Agreement country (Aruba, Austria, Belgium, Bulgaria, Canada, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hong Kong, Hungary, Iceland, Ireland, Israel, Italy, Japan, Korea (Republic of), Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, and United Kingdom);

(2) A Free Trade Agreement (FTA) country (Australia, Bahrain, Canada, Chile, Costa Rica, Dominican Republic, El Salvador, Guatemala, Honduras, Israel, Mexico, Morocco, Nicaragua, Oman, Peru, or Singapore); or

(3) A United States-European Communities Exchange of Letters (May 15, 1995) country: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, and United Kingdom.

*Designated country iron, steel, and/or manufactured goods* — (1) Is wholly the growth, product, or manufacture of a designated country; or

(2) In the case of a manufactured good that consist in whole or in part of materials from another country, has been substantially transformed in a designated country into a new and different manufactured good distinct from the materials from which it was transformed.

*Domestic iron, steel, and/or manufactured good* — (1) Is wholly the growth, product, or manufacture of the United States; or

(2) In the case of a manufactured good that consists in whole or in part of materials from another country, has been substantially transformed in the United States into a new and different manufactured good distinct from the materials from which it was transformed. There is no requirement with regard to the origin of components or subcomponents in manufactured goods or products, as long as the manufacture of the goods occurs in the United States.

*Foreign iron, steel, and/or manufactured good* means iron, steel and/or manufactured good that is not domestic or designated country iron, steel, and/or manufactured good.

*Manufactured good* means a good brought to the construction site for incorporation into the building or work that has been—

(1) Processed into a specific form and shape; or

(2) Combined with other raw material to create a material that has different properties than the properties of the individual raw materials.

*Public building and public work* means a public building of, and a public work of, a governmental entity (the United States; the District of Columbia; commonwealths, territories, and minor outlying islands of the United States; State and local governments; and multi-State, regional, or interstate entities which have governmental functions). These buildings and works may include, without limitation, bridges, dams, plants, highways, parkways, streets, subways, tunnels, sewers, mains, power lines, pumping stations, heavy generators, railways, airports, terminals, docks, piers, wharves, ways, lighthouses, buoys, jetties, breakwaters, levees, and canals, and the construction, alteration, maintenance, or repair of such buildings and works.

*Steel* means an alloy that includes at least 50 percent iron, between .02 and 2 percent carbon, and may include other elements.

(b) *Iron, steel, and manufactured goods.* (1) The award term and condition described in this section implements—

(i) Section 1605(a) of the American Recovery and Reinvestment Act of 2009 (Pub. L. 111–5) (Recovery Act), by requiring that all iron, steel, and manufactured goods used in the project are produced in the United States; and

(ii) Section 1605(d), which requires application of the Buy American requirement in a manner consistent with U.S. obligations under international agreements. The restrictions of section 1605 of the Recovery Act do not apply to designated country iron, steel, and/or manufactured goods. The Buy American requirement in section 1605 shall not be applied where the iron, steel or manufactured goods used in the project are from a Party to an international agreement that obligates the recipient to treat the goods and services of that Party the same as domestic goods and services. This obligation shall only apply to projects with an estimated value of \$7,443,000 or more.

(2) The recipient shall use only domestic or designated country iron, steel, and manufactured goods in performing the work funded in whole or part with this award, except as provided in paragraphs (b)(3) and (b)(4) of this section.

(3) The requirement in paragraph (b)(2) of this section does not apply to the iron, steel, and manufactured goods listed by the Federal Government as follows:

To Be Determined

(4) The award official may add other iron, steel, and manufactured goods to the list in paragraph (b)(3) of this section if the Federal Government determines that—

(i) The cost of domestic iron, steel, and/or manufactured goods would be unreasonable. The cost of domestic iron, steel, and/or manufactured goods used in the project is unreasonable when the cumulative cost of such material will increase the overall cost of the project by more than 25 percent;

(ii) The iron, steel, and/or manufactured good is not produced, or manufactured in the United States in sufficient and reasonably available commercial quantities of a satisfactory quality; or

(iii) The application of the restriction of section 1605 of the Recovery Act would be inconsistent with the public interest.

(c) *Request for determination of inapplicability of section 1605 of the Recovery Act or the Buy American Act.* (1)(i) Any recipient request to use foreign iron, steel, and/or manufactured

goods in accordance with paragraph (b)(4) of this section shall include adequate information for Federal Government evaluation of the request, including—

- (A) A description of the foreign and domestic iron, steel, and/or manufactured goods;
  - (B) Unit of measure;
  - (C) Quantity;
  - (D) Cost;
  - (E) Time of delivery or availability;
  - (F) Location of the project;
  - (G) Name and address of the proposed supplier; and
  - (H) A detailed justification of the reason for use of foreign iron, steel, and/or manufactured goods cited in accordance with paragraph (b)(4) of this section.
- (ii) A request based on unreasonable cost shall include a reasonable survey of the market and a completed cost comparison table in the format in paragraph (d) of this section.
  - (iii) The cost of iron, steel, or manufactured goods shall include all delivery costs to the construction site and any applicable duty.
  - (iv) Any recipient request for a determination submitted after Recovery Act funds have been obligated for a project for construction, alteration, maintenance, or repair shall explain why the recipient could not reasonably foresee the need for such determination and could not have requested the determination before the funds were obligated. If the recipient does not submit a satisfactory explanation, the award official need not make a determination.
- (2) If the Federal Government determines after funds have been obligated for a project for construction, alteration, maintenance, or repair that an exception to section 1605 of the Recovery Act applies, the award official will amend the award to allow use of the foreign iron, steel, and/or relevant manufactured goods. When the basis for the exception is nonavailability or public interest, the amended award shall reflect adjustment of the award amount, redistribution of budgeted funds, and/or other appropriate actions taken to cover costs associated with acquiring or using the foreign iron, steel, and/or relevant manufactured goods. When the basis for the exception is the unreasonable cost of the domestic iron, steel, or manufactured goods, the award official shall adjust the award amount or redistribute budgeted funds, as appropriate, by at least the differential established in 2 CFR 176.110(a).
- (3) Unless the Federal Government determines that an exception to section 1605 of the Recovery Act applies, use of foreign iron, steel, and/or manufactured goods other than

designated country iron, steel, and/or manufactured goods is noncompliant with the applicable Act.

(d) *Data.* To permit evaluation of requests under paragraph (b) of this section based on unreasonable cost, the applicant shall include the following information and any applicable supporting data based on the survey of suppliers:

**Foreign and Domestic Items Cost Comparison**

Description	Unit of measure	Quantity	Cost (dollars)*
<i>Item 1:</i>			
Foreign steel, iron, or manufactured good	_____	_____	_____
Domestic steel, iron, or manufactured good	_____	_____	_____
<i>Item 2:</i>			
Foreign steel, iron, or manufactured good	_____	_____	_____
Domestic steel, iron, or manufactured good	_____	_____	_____

List name, address, telephone number, email address, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary.

Include other applicable supporting information.

\*Include all delivery costs to the construction site.

**28. WAGE RATE REQUIREMENTS UNDER SECTION 1606 OF THE RECOVERY ACT**

(a) Section 1606 of the Recovery Act requires that all laborers and mechanics employed by contractors and subcontractors on projects funded directly by or assisted in whole or in part by and through the Federal Government pursuant to the Recovery Act shall be paid wages at rates not less than those prevailing on projects of a character similar in the locality as determined by the Secretary of Labor in accordance with subchapter IV of chapter 31 of title 40, United States Code.

Pursuant to Reorganization Plan No. 14 and the Copeland Act, 40 U.S.C. 3145, the Department of Labor has issued regulations at 29 CFR parts 1, 3, and 5 to implement the Davis-Bacon and related Acts. Regulations in 29 CFR 5.5 instruct agencies concerning

application of the standard Davis-Bacon contract clauses set forth in that section. Federal agencies providing grants, cooperative agreements, and loans under the Recovery Act shall ensure that the standard Davis-Bacon contract clauses found in 29 CFR 5.5(a) are incorporated in any resultant covered contracts that are in excess of \$2,000 for construction, alteration or repair (including painting and decorating).

(b) For additional guidance on the wage rate requirements of section 1606, contact your awarding agency. Recipients of grants, cooperative agreements and loans should direct their initial inquiries concerning the application of Davis-Bacon requirements to a particular federally assisted project to the Federal agency funding the project. The Secretary of Labor retains final coverage authority under Reorganization Plan Number 14.

**29. RECOVERY ACT TRANSACTIONS LISTED IN SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS AND RECIPIENT RESPONSIBILITIES FOR INFORMING SUBRECIPIENTS**

(a) To maximize the transparency and accountability of funds authorized under the American Recovery and Reinvestment Act of 2009 (Pub. L. 111-5) (Recovery Act) as required by Congress and in accordance with 2 CFR 215.21 "Uniform Administrative Requirements for Grants and Agreements" and OMB Circular A-102 Common Rules provisions, recipients agree to maintain records that identify adequately the source and application of Recovery Act funds. OMB Circular A-102 is available at <http://www.whitehouse.gov/omb/circulars/a102/a102.html>.

(b) For recipients covered by the Single Audit Act Amendments of 1996 and OMB Circular A-133, "Audits of States, Local Governments, and Non-Profit Organizations," recipients agree to separately identify the expenditures for Federal awards under the Recovery Act on the Schedule of Expenditures of Federal Awards (SEFA) and the Data Collection Form (SF-SAC) required by OMB Circular A-133. OMB Circular A-133 is available at <http://www.whitehouse.gov/omb/circulars/a133/a133.html>. This shall be accomplished by identifying expenditures for Federal awards made under the Recovery Act separately on the SEFA, and as separate rows under Item 9 of Part III on the SF-SAC by CFDA number, and inclusion of the prefix "ARRA-" in identifying the name of the Federal program on the SEFA and as the first characters in Item 9d of Part III on the SF-SAC.

(c) Recipients agree to separately identify to each subrecipient, and document at the time of subaward and at the time of disbursement of funds, the Federal award number, CFDA number, and amount of Recovery Act funds. When a recipient awards Recovery Act funds for an existing program, the information furnished to subrecipients shall distinguish the subawards of incremental Recovery Act funds from regular subawards under the existing program.

(d) Recipients agree to require their subrecipients to include on their SEFA information to specifically identify Recovery Act funding similar to the requirements for the recipient SEFA described above. This information is needed to allow the recipient to properly monitor

subrecipient expenditure of ARRA funds as well as oversight by the Federal awarding agencies, Offices of Inspector General and the Government Accountability Office.

### **30. DAVIS-BACON ACT AND CONTRACT WORKHOURS AND SAFETY STANDARD ACT**

**Definitions:** For purposes of this provision, "Davis Bacon Act and Contract Work Hours and Safety Standards Act," the following definitions are applicable:

- (1) "Award" means any grant, cooperative agreement or technology investment agreement made with Recovery Act funds by the Department of Energy (DOE) to a Recipient. Such Award must require compliance with the labor standards clauses and wage rate requirements of the Davis-Bacon Act (DBA) for work performed by all laborers and mechanics employed by Recipients (other than a unit of State or local government whose own employees perform the construction) Subrecipients, Contractors, and subcontractors.
- (2) "Contractor" means an entity that enters into a Contract. For purposes of these clauses, Contractor shall include (as applicable) prime contractors, Recipients, Subrecipients, and Recipients' or Subrecipients' contractors, subcontractors, and lower-tier subcontractors. "Contractor" does not mean a unit of State or local government where construction is performed by its own employees."
- (3) "Contract" means a contract executed by a Recipient, Subrecipient, prime contractor, or any tier subcontractor for construction, alteration, or repair. It may also mean (as applicable) (i) financial assistance instruments such as grants, cooperative agreements, technology investment agreements, and loans; and, (ii) Sub awards, contracts and subcontracts issued under financial assistance agreements. "Contract" does not mean a financial assistance instrument with a unit of State or local government where construction is performed by its own employees.
- (4) "Contracting Officer" means the DOE official authorized to execute an Award on behalf of DOE and who is responsible for the business management and non-program aspects of the financial assistance process.
- (5) "Recipient" means any entity other than an individual that receives an Award of Federal funds in the form of a grant, cooperative agreement, or technology investment agreement directly from the Federal Government and is financially accountable for the use of any DOE funds or property, and is legally responsible for carrying out the terms and conditions of the program and Award.
- (6) "Subaward" means an award of financial assistance in the form of money, or property in lieu of money, made under an award by a Recipient to an eligible Subrecipient or by a Subrecipient to a lower-tier subrecipient. The term includes financial assistance when provided by any legal agreement, even if the agreement is called a contract, but does not include the Recipient's procurement of goods and

services to carry out the program nor does it include any form of assistance which is excluded from the definition of "Award" above.

(7) "Subrecipient" means a non-Federal entity that expends Federal funds received from a Recipient to carry out a Federal program, but does not include an individual that is a beneficiary of such a program.

**(a) Davis Bacon Act**

**(1) Minimum wages.**

(i) All laborers and mechanics employed or working upon the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), will be paid unconditionally and not less often than once a week, and, without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the Contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in § 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein, *provided* that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the Contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(ii)(A) The Contracting Officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the Contract shall be classified in conformance with the wage determination. The Contracting Officer shall approve an additional



classification and wage rate and fringe benefits therefore only when the following criteria have been met:

- (1) The work to be performed by the classification requested is not performed by a classification in the wage determination;
- (2) The classification is utilized in the area by the construction industry;  
and
- (3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the Contracting Officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the Contracting Officer to the Administrator of the Wage and Hour Division, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the Contracting Officer or will notify the Contracting Officer within the 30-day period that additional time is necessary.

(C) In the event the Contractor, the laborers or mechanics to be employed in the classification or their representatives, and the Contracting Officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the Contracting Officer shall refer the questions, including the views of all interested parties and the recommendation of the Contracting Officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the Contracting Officer or will notify the Contracting Officer within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii)(B) or (C) of this section, shall be paid to all workers performing work in the classification under this Contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the Contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the Contractor does not make payments to a trustee or other third person, the Contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *provided* that the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

(2) Withholding. The Department of Energy or the Recipient or Subrecipient shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the Contractor under this Contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Contractor or any subcontractor the full amount of wages required by the Contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), all or part of the wages required by the Contract, the Department of Energy, Recipient, or Subrecipient, may, after written notice to the Contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

(3) Payrolls and basic records.

(i) Payrolls and basic records relating thereto shall be maintained by the Contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made, and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors

employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(ii) (A) The Contractor shall submit weekly for each week in which any Contract work is performed a copy of all payrolls to the Department of Energy if the agency is a party to the Contract, but if the agency is not such a party, the Contractor will submit the payrolls to the Recipient or Subrecipient (as applicable), applicant, sponsor, or owner, as the case may be, for transmission to the Department of Energy. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead, the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime Contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the Department of Energy if the agency is a party to the Contract, but if the agency is not such a party, the Contractor will submit them to the Recipient or Subrecipient (as applicable), applicant, sponsor, or owner, as the case may be, for transmission to the Department of Energy, the Contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the sponsoring government agency (or the Recipient or Subrecipient (as applicable), applicant, sponsor, or owner).

(B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the Contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be provided under § 5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under § 5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the Contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the Contract.

(C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.

(D) The falsification of any of the above certifications may subject the Contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 3729 of title 31 of the United States Code.

(iii) The Contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the Department of Energy or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the Contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the Contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(4) Apprentices and trainees—

(i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of

apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a Contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage

determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity. The utilization of apprentices, trainees, and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended and 29 CFR part 30.

(5) Compliance with Copeland Act requirements. The Contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this Contract.

(6) Contracts and Subcontracts. The Recipient, Subrecipient, the Recipient's, and Subrecipient's contractors and subcontractor shall insert in any Contracts the clauses contained herein in(a)(1) through (10) and such other clauses as the Department of Energy may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The Recipient shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all of the paragraphs in this clause.

(7) Contract termination: debarment. A breach of the Contract clauses in 29 CFR 5.5 may be grounds for termination of the Contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

(8) Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this Contract.

(9) Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this Contract shall not be subject to the general disputes clause of this Contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the Recipient, Subrecipient, the Contractor (or any of its subcontractors), and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

(10) Certification of eligibility.

(i) By entering into this Contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person

or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(ii) No part of this Contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

**(b) Contract Work Hours and Safety Standards Act.** As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

(1) Overtime requirements. No Contractor or subcontractor contracting for any part of the Contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (b)(1) of this section, the Contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such Contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.

(3) Withholding for unpaid wages and liquidated damages. The Department of Energy or the Recipient or Subrecipient shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Contractor or subcontractor under any such contract or any other Federal contract with the same prime Contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such Contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.

(4) Contracts and Subcontracts. The Recipient, Subrecipient, and Recipient's and Subrecipient's contractor or subcontractor shall insert in any Contracts, the clauses set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The Recipient shall

be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.

(5) The Contractor or subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the Contract for all laborers and mechanics, including guards and watchmen, working on the Contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. The records to be maintained under this paragraph shall be made available by the Contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the Department of Energy and the Department of Labor, and the Contractor or subcontractor will permit such representatives to interview employees during working hours on the job.

**(c) Recipient Responsibilities for Davis Bacon Act**

(1) On behalf of the Department of Energy (DOE), Recipient shall perform the following functions:

- (i) Obtain, maintain, and monitor all Davis Bacon Act (DBA) certified payroll records submitted by the Subrecipients and Contractors at any tier under this Award;
- (ii) Review all DBA certified payroll records for compliance with DBA requirements, including applicable DOL wage determinations;
- (iii) Notify DOE of any non-compliance with DBA requirements by Subrecipients or Contractors at any tier, including any non-compliances identified as the result of reviews performed pursuant to paragraph (ii) above;
- (iv) Address any Subrecipient and any Contractor DBA non-compliance issues; if DBA non-compliance issues cannot be resolved in a timely manner, forward complaints, summary of investigations and all relevant information to DOE;
- (v) Provide DOE with detailed information regarding the resolution of any DBA non-compliance issues;
- (vi) Perform services in support of DOE investigations of complaints filed regarding noncompliance by Subrecipients and Contractors with DBA requirements;
- (vii) Perform audit services as necessary to ensure compliance by Subrecipients and Contractors with DBA requirements and as requested by the Contracting Officer; and



(viii) Provide copies of all records upon request by DOE or DOL in a timely manner.

**(d) Rates of Wages**

The prevailing wage rates determined by the Secretary of Labor can be found at <http://www.wdol.gov/>.

## **STATEMENT OF PROJECT OBJECTIVES**

County of Riverside, CA

County of Riverside, CA Energy Efficiency and Conservation Block Grant

### **A. PROJECT OBJECTIVES**

The purpose of this award is to implement the Recipient's Energy Efficiency & Conservation Strategy (EE&CS) in order to reduce fossil fuel emissions; reduce total energy use of the eligible entities; and improve energy efficiency in the building sector, the transportation sector, and other appropriate sectors, along with creating jobs.

### **B. PROJECT SCOPE**

The scope for this award is the implementation of the EEC&S and all supporting documentation necessary for the proposed activities (Attached).

### **C. PROJECT MANAGEMENT AND REPORTING**

Reports and deliverables will be provided in accordance with the Federal Assistance Reporting Checklist.

## EECBG Activity Worksheet

Grantee: County of Riverside Date: 06/01/2009  
 DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: Development of Energy Efficiency & Conservation Strategy--Consultant Services  
 Activity: 1. Energy Efficiency and Conservation Strategy If Other: \_\_\_\_\_  
 Sector: All Sectors If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 0.50 Proposed Number of Jobs Retained: 0.00  
 Proposed Energy Saved and/or Renewable Energy Generated: To be determined by total savings of EECBG projects  
 Proposed GHG Emissions Reduced (CO2 Equivalents): 0.000  
 Proposed Funds Leveraged: \$9,500.00  
 Proposed EECBG Budget: 50,000.00  
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
 Project Contact First Name: Janet Last Name: Purchase Email: jpurchase@rivcoeda.org  
 Metric Activity: Technical Assistance If Other: \_\_\_\_\_

Project Summary: *(limit summary to space provided)*

To best utilize the formula grant funding from the EECBG program, the County of Riverside proposes to first develop an Energy Efficiency & Conservation Strategy, as required by the EECBG program. The proposed activity consists of hiring a consultant to advise on the completion of Attachment D, project development and prioritization, and overall goals for the use and outcomes of EECBG projects. The scope of work will include:

- 1) EEC Strategies development (in specific response to EECBG criteria, applicants are required to answer 6 questions in Attachment D that provide high level descriptions of the strategies envisioned)
- 2) Feasibility (capacity, siting, permitting, development, and commissioning requirements/attributes) and project development parameters for:
  - a) energy efficiency,
  - b) conservation,
  - c) generation, and
  - d) GHG reduction measures;
- 3) The Consultant will develop detail related to objective indicators that present details including;
  - a) net present value of the cost and benefits associated with the specific initiatives;
  - b) risk analyses to provide probabilistic based projections to build confidence in achieving potential outcomes;
  - c) additional tests to prove that our initiatives are actually adding "Green" value;
  - d) "Green" jobs analyses to detail the number, type, locations, and potential earnings associated with the direct, indirect, and induced employment benefits;
  - e) greenhouse gas emissions analyses to make the case for climate related benefits;
  - f) energy efficiency, consumption, and technology (output) benefits;
  - g) leverage potential (combining funding from multiple sources that can include public and private capital and assets) to accomplish the most significant and long term benefits;
  - h) timing strategy to accelerate project implementation and the achievement of results; and
  - i) return on investment on investment summaries presented in NVP for FROI and SROI.
- 4) The Consultant will support the gathering of Stakeholder input throughout the feasibility and "Green Business Case" making process and the finalization of the EECs.

In preparation for these activities, the County of Riverside has already hired a consultant, utilizing internal funds, to begin preliminary work toward this activity (see attached scope of work and cost quote). Our plan is to begin work (even while DOE is reviewing our initial response) via the presentation of a consultant-assisted workshop. The target audience consists of two groups, 1) internal County departments proposing projects/activities for funding, and 2) a smaller group of stakeholders to begin strategy work for use of EECBG funds. This will lay an excellent foundation for the Development of the Energy Efficiency and Conservation Strategy detailed in this activity worksheet.

Estimates for this work were solicited from a firm already performing this type of work (Navigant Consulting). Their quote consisted of two parts. The first part was a flat fee of \$25,000 for completion of the Energy Efficiency & Conservation Strategy document (Attachment D). The remaining \$25,000 would be on a time-and-materials basis for activities #2 and #3 (in Scope of Work above). This work and analysis would be done only for those projects approved for funding through an internal County review process. The cost would vary based on the total number and complexity of projects approved internally. Hourly rates for the various consultant positions are attached (Excel).

The County of Riverside plans to submit its completed EECs document and accompanying project activity sheets within the 120 days allowed by the EECBG program guidelines.

If you are proposing more than one activity, save this file as many times as needed with successive page numbers. For example: "OH-CITY-Columbus-Project Activity page 1.pdf," "OH-CITY-Columbus-Project Activity page 2.pdf," and continue as needed.

## EECBG Activity Worksheet

Grantee: County of Riverside Date: 12/01/2009  
DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
Program Contact First Name: Janet Last Name: Purchase  
Project Title: Indio Hills Community Center--Solar Installation  
Activity: 13. Onsite Renewable Technology If Other: \_\_\_\_\_  
Sector: Public If Other: \_\_\_\_\_  
Proposed Number of Jobs Created: 1.00 Proposed Number of Jobs Retained: 0.00  
Proposed Energy Saved and/or Renewable Energy Generated: 14,016 kWh  
Proposed GHG Emissions Reduced (CO2 Equivalents): 7.000  
Proposed Funds Leveraged: \$18,400.00  
Proposed EECBG Budget: 52,856.00  
Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
Project Contact First Name: Joaquin Last Name: Tijerina Email: jtijerina@rivcoeda.org  
Metric Activity: Clean Energy Policy If Other: \_\_\_\_\_

### Project Summary: *(limit summary to space provided)*

The Indio Hills Community Center (3,208 sf) is a new facility that serves the unincorporated areas of the Coachella Valley in Riverside County. The old community center was housed in an older building that was added to an existing fire station. The fire station was abandoned by the County, thus necessitating a new community center.

Riverside County's Economic Development Agency worked with the local community to develop the design for this project. In addition to the local community, many agencies of the County of Riverside were involved in the design of this project, as it also functions as a remote office for county service organizations in the Indio Hills community. The design of the Community Center reflected the desire of the community to create a space that was a part of their community, incorporating both indoor and outdoor facilities.

The facility was designed with many LEED features, achieved a 25% energy savings above California's Title 24 standard and opened in May of 2009.

The building, located in the desert of sunny Riverside County, was also sited to take best advantage of the sun for solar purposes. The original design called for solar panels to be installed on the outside shade structures, as a renewable energy source to offset the electrical use of the center. Due to budget cuts, the solar panels were eliminated as part of the construction project. However, all the necessary infrastructure was left in place to allow for future solar panel installation.

This EECBG project will install an 8 kW solar (photovoltaic) system on the shade structures originally designed to support solar. It is estimated that almost 90% of the building's electricity usage will be offset by this system, especially since the building is very energy-efficient to begin with.

The County will procure the solar installation through a competitive RFP. The project budget is estimated at \$52,856, which takes in account leveraged funding in the form of an anticipated solar rebate of \$18,400 from the Imperial Irrigation District. The timeline for project completion is estimated at 60 days from notice to proceed.

### Projected project metrics:

1. Enhance the local economy by creating and retaining jobs: This project is anticipated to support the equivalent of 1.0 FTE.
2. Reduce energy usage through retrofits of existing systems: (N/A)
3. Increase the use of renewable energy sources in conjunction with building energy efficiency: This project will complete the original intent of the building's construction according to green practices. The size of the solar system needed will be minimal as a direct result of the energy-efficient design of the building.
4. Reduce greenhouse gas emissions by employing better energy practices: Using solar power as an energy practice for the facility will reduce the need for power from the grid. Solar power does not generate greenhouse gas emissions.
5. Leverage funding from existing sources to maximize benefits: The anticipated solar rebate from the Imperial Irrigation District will be used to "buy-down" the overall project cost.
6. Reduce County operational costs through energy savings: The average cost per kWh in the Indio area is \$.126. This project will reduce operational costs for the facility by approximately \$1,766 per year.

## EECBG Activity Worksheet

Grantee: County of Riverside Date: 12/01/2009  
 DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: Amber LED Traffic Signal Indication Retrofit  
 Activity: 12. Lighting If Other: \_\_\_\_\_  
 Sector: Public If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 2.00 Proposed Number of Jobs Retained: 0.00  
 Proposed Energy Saved and/or Renewable Energy Generated: 4,886,259 kWh annually  
 Proposed GHG Emissions Reduced (CO2 Equivalents): 2,357.000  
 Proposed Funds Leveraged: \$585,572.00  
 Proposed EECBG Budget: 125,830.00  
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
 Project Contact First Name: Dowling Last Name: Tsai Email: dtsai@rctlma.org  
 Metric Activity: Other If Other: \_\_\_\_\_

**Project Summary: (limit summary to space provided)**

The Transportation and Land Management Agency (TLMA) for the County of Riverside is responsible for planning, designing, funding, building, operating and maintaining all roads, bridges, and transportation facilities within the unincorporated County territory.

The County covers an area of approximately 7300 square miles, which is about the size of the state of New Jersey. The county-maintained road system exceeds 2500 miles, which is about the distance between Riverside County and Washington D.C. The department focuses on the priorities of improving safety, maintaining existing roads and bridges, and enhancing roadway capacity to keep up with the County's population growth (currently over 2 million residents).

In 2002, TLMA replaced green and red vehicle traffic indications, and pedestrian indications with LEDs county-wide. At that time, the amber lights were not retrofitted with LEDs due to higher material cost and lower cost-to-benefit ratio. Due to lower material costs, TLMA is now ready to retrofit all amber indications county-wide.

To take advantage of consolidated work efforts by contractors and to mitigate costs, TLMA will also replace both red and green LEDs at the same time with newer generation and improved LED indications, utilizing other County funds (\$410,000). Furthermore, TLMA is also planning to install battery backup systems to each traffic signal system in conjunction with the amber LED retrofit program funded by EECBG. Internal County funds for the battery backup total \$160,000. By retrofitting amber vehicle indications with LEDs it can extend battery backup operation period during power outages, thus, improving traffic safety at signalized intersections. This will be accomplished in phases county-wide as follows:

Phase I--72 traffic signals (amber/red/green retrofit & battery backup): Bid Advertised: Jan 2010, Construction: July to Sept 2010.

Phase II--78 traffic signals (same work): Bid Advertised: Oct. 2010, Construction: Feb 2011 to Apr 2011.

Phase III--78 traffic signals (same work): Bid Advertised: May 2011, Construction: Sept to Dec 2011.

**Projected project metrics:**

1. Enhance the local economy by creating and retaining jobs: This project is anticipated to support the equivalent of 2.0 FTE created.
2. Reduce energy usage through retrofits of existing systems: The electrical needs for the traffic signals will be reduced as a result of the LED retrofit.
3. Increase the use of renewable energy sources in conjunction with building energy efficiency: (N/A)
4. Reduce greenhouse gas emissions by employing better energy practices: Using LEDs for traffic signals will reduce the need for power from the grid. Power from the grid generates greenhouse gas emissions. GHGs will also be reduced through fewer vehicle trips to change lamps.
5. Leverage funding from existing sources to maximize benefits: The anticipated rebate (\$15,572) from Southern California Edison will be used to "buy-down" the overall project cost. Furthermore, internal County funds (\$570,000) will be utilized to perform the red/green LED retrofit and the battery backup projects, which will increase overall project savings through consolidation of effort.
6. Reduce County operational costs through energy savings: The average cost per kWh for traffic signals in the SCE territory is \$.169 (for 2010). If the projected savings from this project are achieved, utility costs will be reduced by approximately \$825,777 per year. Additionally, the County will realize savings in maintenance on the LED lights, since those lights last five years longer than the existing lights. If EECBG funding is approved for both this project and the Internally Illuminated Street Name Signs LED retrofit project, TLMA will implement both at the same time to further minimize contractor mobilization and installation costs.

**EECBG Activity Worksheet**

Grantee: County of Riverside Date: 12/01/2009  
 DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: Internally Illuminated Street Name Sign LED Retrofit  
 Activity: 12. Lighting If Other: \_\_\_\_\_  
 Sector: Public If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 5.00 Proposed Number of Jobs Retained: 0.00  
 Proposed Energy Saved and/or Renewable Energy Generated: 16,631,015 kWh annually  
 Proposed GHG Emissions Reduced (CO2 Equivalents): 8,023.000  
 Proposed Funds Leveraged: \$0.00  
 Proposed EECBG Budget: 481,280.00  
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
 Project Contact First Name: Dowling Last Name: Tsai Email: dtsai@rctlma.org  
 Metric Activity: Other If Other: \_\_\_\_\_

**Project Summary: (limit summary to space provided)**

The Transportation and Land Management Agency (TLMA) for the County of Riverside is responsible for planning, designing, funding, building, operating and maintaining all roads, bridges, and transportation facilities within the unincorporated County territory.

The County covers an area of approximately 7300 square miles, which is about the size of the state of New Jersey. The county-maintained road system exceeds 2500 miles, which is about the distance between Riverside County and Washington D.C. The department focuses on the priorities of improving safety, maintaining existing roads and bridges, and enhancing roadway capacity to keep up with the County's population growth (currently over 2 million residents).

TLMA operates 920 internally illuminated street name signs (IISNS) as part of the traffic signal systems. Each IISNS utilize two fluorescent lamps. In the past, options for retrofitting IISNS with LEDs were very limited, cost prohibitive and less bright than fluorescent lamps.

Currently, there are more options available for retrofitting IISNS with LEDs. These LEDs are much more cost effective, and are as bright as fluorescent lamps. This project proposes to retrofit all IISNS county-wide with LED's. If EECBG funding is approved for both this project and the Amber LED Traffic Signal LED retrofit project, TLMA will implement both at the same time to further minimize contractor mobilization and installation costs. The project will be accomplished in phases county-wide in conjunction with the amber LED traffic signal retrofit as follows:

- Phase I--72 traffic signals (each with 3-4 IISNS lights): Bid Advertised: Jan 2010, Construction: July to Sept 2010.
- Phase II--78 traffic signals (same work): Bid Advertised: Oct. 2010, Construction: Feb 2011 to Apr 2011.
- Phase III--78 traffic signals (same work): Bid Advertised: May 2011, Construction: Sept to Dec 2011

**Projected project metrics:**

1. Enhance the local economy by creating and retaining jobs: This project is anticipated to support the equivalent of 5.0 FTE created.
2. Reduce energy usage through retrofits of existing systems: The electrical needs for the IISNS's will be reduced as a result of the LED retrofit.
3. Increase the use of renewable energy sources in conjunction with building energy efficiency: (N/A)
4. Reduce greenhouse gas emissions by employing better energy practices: Using LEDs for IISNS's will reduce the need for power from the grid. Power from the grid generates greenhouse gas emissions. GHGs will also be reduced through fewer vehicle trips to change lamps.
5. Leverage funding from existing sources to maximize benefits: No rebate from SCE is available at this time.
6. Reduce County operational costs through energy savings: The average cost per kWh for traffic signal-related accounts in the SCE territory is \$.169 (for 2010). If the projected savings from this project are achieved, utility costs will be reduced by approximately \$2,810,641 per year. Additionally, the County will realize savings in maintenance on the LED lights, since those lights last five years longer than the existing lights.

## EECBG Activity Worksheet

Grantee: County of Riverside Date: 12/01/2009  
 DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: County Farm Central Plant Chiller Upgrades/VFD's/Controls  
 Activity: 5. Energy Efficiency Retrofits If Other: \_\_\_\_\_  
 Sector: Public If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 13.00 Proposed Number of Jobs Retained: 1.00  
 Proposed Energy Saved and/or Renewable Energy Generated: 2,412,930 kWh  
 Proposed GHG Emissions Reduced (CO2 Equivalents): 1,164.000  
 Proposed Funds Leveraged: \$50,000.00  
 Proposed EECBG Budget: 1,158,445.00  
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
 Project Contact First Name: Janet Last Name: Purchase Email: jpurchase@rivcoeda.org  
 Metric Activity: Building Retrofits If Other: \_\_\_\_\_

Project Summary: *(limit summary to space provided)*

The Central Plant at "County Farm" (as it is known), supports a campus of buildings that comprise the County's main Health and Welfare Administrative Center. The buildings on this campus house the operations for the Department of Public Social Services, Community Health Agency and the Mental Health Department. The central plant itself is 14,372 sf, and provides heating and cooling to all buildings on the campus. In addition to the chillers that are the focus of this project, the Central Plant also has a thermal energy storage tank that cools water during off-peak hours for circulation to buildings during the day.

The plant currently has four (4 each) 200 ton water-cooled chillers. All of the chillers are near the end of their useful lives, with one of the chillers requiring frequent maintenance to remain operational. The proposed scope of work for this project is as follows:

- Replace four (4) - 200 ton water-cooled centrifugal compressor chillers with high-efficiency chillers.
- Furnish and install piping from existing points of connection in primary chilled water headers to new chillers.
- Furnish and install piping from existing points of connection in condenser water headers to new chillers.
- Provide electric power to new chillers. New chillers will be equipped with variable frequency drives.
- Upsize housekeeping pads to accommodate replacement chillers.
- Start-up chillers
- Furnish and install four (4) variable frequency drives, serving 7-1/2 horsepower cooling tower fans.
- Replace Robertshaw controls with new TAC control system.

The County will procure the chiller/VFD/Controls upgrade through a competitive RFP. The project budget is estimated at \$1,158,455, which includes a \$50,000 rebate from Riverside Public Utilities. The timeline for project completion is estimated at 150 days from notice to proceed.

## Projected project metrics:

1. Enhance the local economy by creating and retaining jobs: This project is anticipated to support the equivalent of 13.0 FTE, created with 1.0 FTE retained.
2. Reduce energy usage through retrofits of existing systems: The high efficiency chillers and VFD's controlled by a more efficient EMS system will greatly reduce electrical usage.
3. Increase the use of renewable energy sources in conjunction with energy efficiency: (N/A)
4. Reduce greenhouse gas emissions by employing better energy practices: Installing a more efficient chillers and VFD's will reduce the need for power from the grid. Power from the grid generates greenhouse gas emissions.
5. Leverage funding from existing sources to maximize benefits: The anticipated rebate from the Riverside Public Utilities will be used to "buy-down" the overall project cost. The project will be done in two phases across two fiscal years to capture the \$25,000 rebate per fiscal year allowed from RPU.
6. Reduce County operational costs through energy savings: The average cost per kWh for the County Farm Central Plant is \$.08. If the projected savings are achieved, this project will reduce operational costs for the facility by approximately \$19,434 per year. Additionally, the County will realize savings in maintenance costs. One of the current chillers requires frequent maintenance & repair to stay operational. The other chillers are nearing the end of their useful life. The new chillers will address these issues with new equipment that is also energy efficient.

## EECBG Activity Worksheet

Grantee: County of Riverside Date: 12/01/2009  
 DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: District Attorney Building Window Glazing  
 Activity: 5. Energy Efficiency Retrofits If Other: \_\_\_\_\_  
 Sector: Public If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 1.00 Proposed Number of Jobs Retained: 0.00  
 Proposed Energy Saved and/or Renewable Energy Generated: 153,859 kWh  
 Proposed GHG Emissions Reduced (CO2 Equivalents): 74.000  
 Proposed Funds Leveraged: \$4,428.00  
 Proposed EECBG Budget: 70,266.00  
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
 Project Contact First Name: Janet Last Name: Purchase Email: jpurchase@rivcoeda.org  
 Metric Activity: Building Retrofits If Other: \_\_\_\_\_

Project Summary: *(limit summary to space provided)*

The Riverside District Attorney's building is the main administration center for County DA operations. It is an 8-story, 74,552 sf building constructed in 1965. The Riverside County District Attorney's Office represents the People of the State of California in all criminal matters arising in Riverside County. With a budget of \$69 million and a staff of 750, Riverside county has the 4th largest district attorney's office in California and the 15th largest in the nation. Attorneys, with the help of investigators and other support personnel, prosecute felony, misdemeanor, and juvenile cases. The Division of Victim Services staff help victims and witnesses navigate the criminal justice system and help them recover expenses incurred because of crime.

This facility has exterior windows that are all single-paned, as was the practice when it was built. This greatly contributes to the heat load in the building. As a result, the HVAC system works harder than necessary to cool the building, especially in the summer. This project proposes to reduce the need for cooling by installing energy-efficient window glazing that will block 79% of the heat from the sun. The scope of work is as follows:

1. Remove any existing window tinting (one floor has old tinting poorly installed in the 1980's)
2. Install high-efficiency R20 (Silver) window tinting on all exterior windows.

The County will procure the window glazing services through a competitive RFP. The project budget is estimated at \$70,266, which takes in account leveraged funding in the form of an anticipated rebate of \$4,428 from Riverside Public Utilities. The timeline for project completion is estimated at 60 days from notice to proceed.

## Projected project metrics:

1. Enhance the local economy by creating and retaining jobs: This project is anticipated to support the equivalent of 1.0 FTE.
2. Reduce energy usage through retrofits of existing systems: The existing windows will be made more energy-efficient by applying glazing that blocks 79% of the heat from the sun.
3. Increase the use of renewable energy sources in conjunction with energy efficiency: (N/A)
4. Reduce greenhouse gas emissions by employing better energy practices: Using less electricity in the building for cooling due to the reduction in heat from the glazing will reduce the need for power from the grid, the production of which generates greenhouse gas emissions.
5. Leverage funding from existing sources to maximize benefits: The anticipated rebate will be used to "buy-down" the overall project cost.
6. Reduce County operational costs through energy savings: The average cost per kWh for this building is \$.127. If the projected energy savings are achieved, this project will reduce operational costs for the facility by approximately \$19,540 per year.



## EECBG Activity Worksheet

Grantee: County of Riverside Date: 12/01/2009  
 DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: Riverside County Administration Center (CAC) Parking Structure Solar System & LED Retrofit  
 Activity: 5. Energy Efficiency Retrofits If Other: \_\_\_\_\_  
 Sector: Public If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 12.00 Proposed Number of Jobs Retained: 1.00  
 Proposed Energy Saved and/or Renewable Energy Generated: 670,150 kWh  
 Proposed GHG Emissions Reduced (CO2 Equivalents): 323.000  
 Proposed Funds Leveraged: \$339,936.00  
 Proposed EECBG Budget: 750,577.00  
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
 Project Contact First Name: Janet Last Name: Purchase Email: janet.purchase@gmail.com  
 Metric Activity: Building Retrofits If Other: \_\_\_\_\_

**Project Summary: (limit summary to space provided)**

The Riverside CAC Parking Structure is a 4-level, 223,770 sf facility that provides parking for the County's main administrative center. The Riverside CAC itself (14 stories, 271,584 sf) houses administration for most County departments, as well as the Board of Supervisors and Executive office.

This EECBG project will install an 110 kW solar (photovoltaic) system on the top level of the 4-level Parking Structure for the Riverside CAC. Carport shade structures will be installed to support the solar panels. This will also result in shaded parking for the center row of the top level. Power from the solar system will offset the electrical needs of the main CAC building. Additionally, the parking structure itself will undergo a lighting retrofit, replacing the existing metal halide lamps with LED parking structure lights/fixtures. The scope of work is as follows:

**Solar system:**

- Install a system of approximately 408 photovoltaic modules on the top deck of the parking garage and provide shaded parking for one of the center rows on the top deck.
- Provide the interconnection of the system to the main CAC building, approximately 360 l.f. from the garage.
- Provide the electrical and structural design of the parking lot mounted photovoltaic arrays, including the structural analysis of the existing parking structure. This parking structure should be able to accommodate the new photovoltaic arrays without significant changes.

**LED Retrofit:**

- Replace approximately 230 metal halide lamps (150 Watt) with 230 LED Low-Bay Garage lights (50 Watt).

The County will procure the both the solar installation and LED retrofit through a competitive RFP. The project budget is estimated at \$750,577, which takes in account leveraged funding in the form of an anticipated solar rebate of \$330,000 and a \$9,936 lighting rebate from Riverside Public Utilities. The timeline for project completion is estimated at 120 days from notice to proceed.

**Projected project metrics:**

1. Enhance the local economy by creating and retaining jobs: This project is anticipated to support the equivalent of 12.0 FTE created and 1.0 FTE retained.
2. Reduce energy usage through retrofits of existing systems: The electrical needs for the parking structure lighting will be reduced almost in half as a result of the LED retrofit.
3. Increase the use of renewable energy sources in conjunction with building energy efficiency: The County is installing a solar system that will also provide shaded parking in a city known for temperatures in excess of 100 degrees in the summer. If the solar system was powering the parking structure only, the system size would be minimized as a direct result of the LED retrofit.
4. Reduce greenhouse gas emissions by employing better energy practices: Using solar power as an energy practice for the facility will reduce the need for power from the grid. Solar power does not generate greenhouse gas emissions.
5. Leverage funding from existing sources to maximize benefits: The anticipated solar and lighting rebates from Riverside Public Utilities will be used to "buy-down" the overall project cost.
6. Reduce County operational costs through energy savings: The average cost per kWh for the CAC building is \$.111 and for the Parking Structure the cost is \$.132/kWh. If the projected savings from this project are achieved, utility costs for the facility will be reduced by approximately \$84,413 per year. Additionally, the County will realize savings in maintenance on the LED lights, since those lights last five years longer than the existing lights.

**EECBG Activity Worksheet**

Grantee: County of Riverside Date: 12/01/2009  
 DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: Eddie Dee Smith Senior Center HVAC Upgrade  
 Activity: 5. Energy Efficiency Retrofits If Other: \_\_\_\_\_  
 Sector: Public If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 1.00 Proposed Number of Jobs Retained: 0.00  
 Proposed Energy Saved and/or Renewable Energy Generated: 230,622 kWh  
 Proposed GHG Emissions Reduced (CO2 Equivalents): 111.000  
 Proposed Funds Leveraged: \$0.00  
 Proposed EECBG Budget: 115,500.00  
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
 Project Contact First Name: Janet Last Name: Purchase Email: jpurchase@rivcoeda.org  
 Metric Activity: Building Retrofits If Other: \_\_\_\_\_

**Project Summary: (limit summary to space provided)**

The Eddie Dee Smith Senior Center is a one-story building (9,120 sf) that is also used as a local Cooling Center in the summer during hot weather. The primary mission of the Eddie Dee Smith Senior Center is to serve older adults of the community and provide services, information, meals and activities geared to the needs of an older adult. Their goal is to create a safe and healthy environment that will enhance the quality of life of these older adults through the collaborative efforts of the Senior Center leadership.

The Center currently has eight, 5 ton rooftop HVAC package units nearing the end of their useful life and contributing to high energy costs for the facility, especially in the summer. This project proposes to reduce electrical consumption for the facility by replacing the inefficient systems with high-efficiency systems. The proposed scope of work is as follows:

- 1) Disconnect and remove (8) existing 5-ton rooftop A/C units.
- 2) Install new Carrier high-efficiency 14 SEER 48PGLM06 5-ton package units.
- 3) Install new 7-day programmable thermostats.
- 4) Six (6) units are downshot units and will be set on existing curbs.
- 5) Reconnect existing electrical. New disconnects and sealtight conduit is included.

The County will procure the HVAC retrofit through a competitive RFP. The project budget is estimated at \$115,500. Southern California Edison does not offer rebates on package units, as the units themselves are discounted "upstream". The timeline for project completion is estimated at 90 days from notice to proceed.

**Projected project metrics:**

1. Enhance the local economy by creating and retaining jobs: This project is anticipated to support the equivalent of 1.0 FTE.
2. Reduce energy usage through retrofits of existing systems: Installing more efficient HVAC package units will reduce energy usage.
3. Increase the use of renewable energy sources in conjunction with energy efficiency: (N/A)
4. Reduce greenhouse gas emissions by employing better energy practices: Installing more efficient HVAC systems will reduce the need for power from the grid. Power from the grid generates greenhouse gas emissions.
5. Leverage funding from existing sources to maximize benefits: (N/A)
6. Reduce County operational costs through energy savings: The average cost per kWh the Senior Center is \$.136. If the projected savings are achieved, this project will reduce operational costs for the facility by approximately \$31,364 per year. Additionally, the County will realize savings in maintenance costs. A few of the current HVAC package units are 15 years old and requires frequent maintenance & repair to stay operational. The new systems will address this issue with new equipment that is also energy efficient.

*If you are proposing more than one activity, save this file as many times as needed with successive page numbers. For example: "OH-CITY-Columbus-Project Activity page 1.pdf," "OH-CITY-Columbus-Project Activity page 2.pdf," and continue as needed.*

**EECBG Activity Worksheet**

Grantee: County of Riverside Date: 12/01/2009  
 DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: Rubidoux Fleet Services Building--Solar System Installation  
 Activity: 13. Onsite Renewable Technology If Other: \_\_\_\_\_  
 Sector: Public If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 16.00 Proposed Number of Jobs Retained: 1.00  
 Proposed Energy Saved and/or Renewable Energy Generated: 245,280 kWh  
 Proposed GHG Emissions Reduced (CO2 Equivalents): 118.000  
 Proposed Funds Leveraged: \$0.00  
 Proposed EECBG Budget: 1,435,608.00  
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
 Project Contact First Name: Janet Last Name: Purchase Email: jpurchase@rivcoeda.org  
 Metric Activity: Clean Energy Policy If Other: \_\_\_\_\_

**Project Summary: (limit summary to space provided)**

The Rubidoux Fleet Services Building (44,107 sf) is a new facility that provides vehicle maintenance and repair services for the unincorporated area of the Riverside. Completed in 2008, the facility was designed with many LEED features, and achieved a 25% energy savings above California's Title 24 standard.

The building was also sited to take best advantage of the sun for solar purposes. The original design called for solar panels to be installed on the outside carport structures (where vehicles are parked waiting for maintenance), as a renewable energy source to offset the electrical use of the facility. Due to budget cuts, the carport structures were downgraded (unable to support solar panels) and the solar panels were eliminated as part of the construction project. However, all the necessary electrical infrastructure was left in place to allow for future solar panel installation.

This EECBG project will install an 140 kW solar (photovoltaic) system, as well as carport structures capable of supporting solar panels. It is estimated that almost 60% of the building's electricity usage will be offset by this system, especially since the building is very energy-efficient to begin with.

The County will procure the solar installation through a competitive RFP. The project budget is estimated at \$1,435,608. Due to the system size and rules regarding rebates from the California Solar Initiative, no solar rebate is payable until the system is operational for 5 years. Therefore, the rebate will not be paid during the grant period. The timeline for project completion is estimated at 120 days from notice to proceed.

**Projected project metrics:**

1. Enhance the local economy by creating and retaining jobs: This project is anticipated to support the equivalent of 16.0 FTE created and 1.0 FTE retained.
2. Reduce energy usage through retrofits of existing systems: (N/A)
3. Increase the use of renewable energy sources in conjunction with building energy efficiency: This project will complete the original intent of the building's construction according to green practices. The size of the solar system needed will be minimal as a direct result of the energy-efficient design of the building.
4. Reduce greenhouse gas emissions by employing better energy practices: Using solar power as an energy practice for the facility will reduce the need for power from the grid. Solar power does not generate greenhouse gas emissions.
5. Leverage funding from existing sources to maximize benefits: N/A
6. Reduce County operational costs through energy savings: The average cost per kWh for this facility is \$.136. If the projected renewable energy is generated this project will reduce operational costs for the facility by approximately \$33,358 per year.

*If you are proposing more than one activity, save this file as many times as needed with successive page numbers. For example: "OH-CITY-Columbus-Project Activity page 1.pdf," "OH-CITY-Columbus-Project Activity page 2.pdf," and continue as needed.*

**EECBG Activity Worksheet**

Grantee: County of Riverside Date: 12/01/2009

DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org

Program Contact First Name: Janet Last Name: Purchase

Project Title: Temecula County Administration Center--Building Controls/VFD's

Activity: 5. Energy Efficiency Retrofits If Other: \_\_\_\_\_

Sector: Public If Other: \_\_\_\_\_

Proposed Number of Jobs Created: 3.00 Proposed Number of Jobs Retained: 0.00

Proposed Energy Saved and/or Renewable Energy Generated: 494,696 kWh

Proposed GHG Emissions Reduced (CO2 Equivalents): 239.000

Proposed Funds Leveraged: \$12,464.00

Proposed EECBG Budget: 235,290.00

Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00

Project Contact First Name: Janet Last Name: Purchase Email: jpurchase@rivcoeda.org

Metric Activity: Building Retrofits If Other: \_\_\_\_\_

**Project Summary: (limit summary to space provided)**

The Temecula County Administration Center (CAC) is the major administrative center for the southwest portion of Riverside County. It is located in an industrial/retail part of the city. The complex is composed of three buildings (A, B, and C), with Building C housing the Central Plant that supports all three buildings.

The Central Plant currently has a pneumatic controls system for which parts are no longer available. This means that new points of control (such as the new 110 ton cooling towers) cannot be added and broken control hardware cannot be replaced. Additionally, the current supply and return motors for the air handlers in all three buildings (A, B and C) do not have VFD's installed. The objective of the proposed work is to reduce electrical consumption by the installation of upgraded building controls and variable frequency drives on the air handlers. Scope of work is as follows:

1. Install a complete TAC Vista Building Automation System to perform the control sequences for the HVAC equipment of the building, including Central Plant control. Includes controls for Central Plant boilers and chillers and air handlers for Buildings A, B and C.
2. Retrofit Air Handling Units with Variable Frequency Drives (VFD's) on supply and return fan motors.
3. Retrofit VAV pneumatic boxes and hot water valves to electronic DDC controls with smart sensors in Buildings A, B and C.

The County will procure the Controls/VFD upgrades through a competitive RFP. The project budget is estimated at \$235,290, which includes a \$12,464 rebate from Southern California Edison. The timeline for project completion is estimated at 90 days from notice to proceed.

**Projected project metrics:**

1. Enhance the local economy by creating and retaining jobs: This project is anticipated to support the equivalent of 3.0 FTE.
2. Reduce energy usage through retrofits of existing systems: Installing an updated control system and VFDs will allow for greater reductions in electrical usage.
3. Increase the use of renewable energy sources in conjunction with energy efficiency: (N/A)
4. Reduce greenhouse gas emissions by employing better energy practices: Installing an updated control and VFD's will reduce the need for power from the grid. Power from the grid generates greenhouse gas emissions.
5. Leverage funding from existing sources to maximize benefits: The anticipated rebate from the Southern California Edison will be used to "buy-down" the overall project cost.
6. Reduce County operational costs through energy savings: The average cost per kWh for the Temecula CAC is \$.14. If the projected savings are achieved, this project will reduce operational costs for the facility by approximately \$69,257 per year.

## EECBG Activity Worksheet

Grantee: County of Riverside Date: 12/01/2009  
 DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: Fire Station #23--Insulated Bay Doors  
 Activity: 5. Energy Efficiency Retrofits If Other: \_\_\_\_\_  
 Sector: Public If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 0.00 Proposed Number of Jobs Retained: 0.00  
 Proposed Energy Saved and/or Renewable Energy Generated: 30,750 kWh, 700 gallons propane  
 Proposed GHG Emissions Reduced (CO2 Equivalents): 15.000  
 Proposed Funds Leveraged: \$0.00  
 Proposed EECBG Budget: 15,400.00  
 Projected Costs Within Budget Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
 Project Contact First Name: Jim Last Name: Fuller Email: Jim.Fuller@fire.ca.gov  
 Metric Activity: Building Retrofits If Other: \_\_\_\_\_

Project Summary: *(limit summary to space provided)*

The Pine Cove Fire Station #23 (4,000 sf) is located in the San Jacinto Mountains at an elevation of 6,000 feet. Snow and cold weather during the winter is a frequent occurrence. The station is located in a dense forest area. The main source of heat is fueled by propane. The current fiberglass apparatus bay doors are not insulated and do not provide adequate insulation for the fire engine pumps or for medical gear (IV's, heart monitors, etc.). In addition to high propane usage, electric heaters are also utilized to keep the paramedics' medical gear warm.

This project proposes to improve the energy-efficiency of the fire station by reducing propane usage through installation of three (3) insulated apparatus bay doors. The scope of work includes:

- 1) Removal of three (3) existing fiberglass apparatus bay doors.
- 2) Preparation work, including opening preparations, miscellaneous or structural steel, finish or field painting, electrical wires, wiring, disconnect switches and conduit.
- 3) Installation of three (3) Clopay Model 3270 Insulated apparatus bay doors (10'W X 14'H), including unit sections, brackets, tracks, glazing, counter balance mechanisms and hardware (tracks, motors, hinges, roller assemblies and accessories).
- 4) Door insulation to be 2" foamed-in-place polyurethane (R-value=17.2, U-value=.058)

The County will procure the door upgrade through a competitive RFP. The project budget is estimated at \$12,650. The timeline for project completion is estimated at 30 days from notice to proceed.

## Projected project metrics:

1. Enhance the local economy by creating and retaining jobs: (N/A)
2. Reduce energy usage through retrofits of existing systems: Installing insulated bay doors will reduce energy usage, both propane and some electric.
3. Increase the use of renewable energy sources in conjunction with energy efficiency: (N/A)
4. Reduce greenhouse gas emissions by employing better energy practices: Installing insulated doors will decrease greenhouse gas emissions through reduced propane and electric usage.
5. Leverage funding from existing sources to maximize benefits: (N/A)
6. Reduce County operational costs through energy savings: The average cost per gallon for propane is 1.029. The average cost per kWh for the fire station is \$.16. If the projected propane and electrical savings are achieved, this project will reduce operational costs for the facility by approximately \$5,548 per year.

## EECBG Activity Worksheet

Grantee: County of Riverside Date: 12/01/2009  
 DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: Southwest Justice Detention Center Lighting Retrofit  
 Activity: 12. Lighting If Other: \_\_\_\_\_  
 Sector: Public If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 3.00 Proposed Number of Jobs Retained: 0.00  
 Proposed Energy Saved and/or Renewable Energy Generated: 540,313 kWh  
 Proposed GHG Emissions Reduced (CO2 Equivalents): 261.000  
 Proposed Funds Leveraged: \$37,296.00  
 Proposed EECBG Budget: 233,304.00  
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
 Project Contact First Name: Janet Last Name: Purchase Email: jpurchase@rivcoeda.org  
 Metric Activity: Building Retrofits If Other: \_\_\_\_\_

Project Summary: *(limit summary to space provided)*

The Southwest Detention Center is located in the southwest portion of Riverside County, adjacent to the cities of Temecula and Murrieta, in an area known as French Valley. Construction of the facility was completed in 1992 and became operational in September 1993. The facility is under the command of a Sheriff's Captain and administered under the direction of the Corrections Division Chief. In October 1998, an expansion project was started for the Southwest Detention Center. The project, completed October 2001, doubled the size of the jail. The expansion was built in conjunction with a new court facility and juvenile hall. The Southwest Sheriff Station/Temecula Police Department is adjacent to the jail. The entire complex is known as the Southwest County Justice Center. Total square footage of the detention center is now 216,723.

The mission of the Corrections Division is to serve and protect the citizens of Riverside County and the State of California, by detaining the people under its supervision in a safe and secure environment, while providing for their humane care, custody and control. The Division will maximize opportunities for offenders to participate in programs that reduce criminal behavior and enhance the offender's reintegration into the community. This objective will be accomplished in a cost-effective manner in the least restrictive setting, without compromising public safety.

This facility is a 24/7 facility and there is opportunity save energy via lighting retrofit. The scope of work is as follows:

1. Replace incandescent lighting with compact fluorescent lamps (9)
2. Replace high-pressure sodium lamps with compact fluorescent lamps (111).
3. Replace high-pressure sodium lamps with T5 lamps/fixtures (36).
4. Convert existing 1st generation T8 lamps and ballasts to latest generation T8 lamps and ballasts (3,006).
5. Convert existing T8 U-tube lamps to regular T8 lamps.

The County will procure the lighting retrofit services through a competitive RFP. The project budget is estimated at \$233,304, which takes in account leveraged funding in the form of an anticipated rebate of \$37,296 from the Southern California Edison. The timeline for project completion is estimated at 90 days from notice to proceed.

## Projected project metrics:

1. Enhance the local economy by creating and retaining jobs: This project is anticipated to support the equivalent of 3.0 FTE.
2. Reduce energy usage through retrofits of existing systems: The existing lighting systems will be retrofitted with energy-efficient lamps and ballasts.
3. Increase the use of renewable energy sources in conjunction with energy efficiency: (N/A)
4. Reduce greenhouse gas emissions by employing better energy practices: Using less electricity in the lighting systems will reduce the need for power from the grid, the production of which generates greenhouse gas emissions.
5. Leverage funding from existing sources to maximize benefits: The anticipated rebate will be used to "buy-down" the overall project cost.
6. Reduce County operational costs through energy savings: The average cost per kWh at the Southwest Justice Center SCE territory) is \$.111. If the projected energy savings are achieved, this project will reduce operational costs for the facility by approximately \$59,975 per year.

## EECBG Activity Worksheet

Grantee: County of Riverside Date: 12/01/2009  
 DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: Indio Juvenile Hall Chiller Upgrade  
 Activity: 5. Energy Efficiency Retrofits If Other: \_\_\_\_\_  
 Sector: Public If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 2.00 Proposed Number of Jobs Retained: 0.00  
 Proposed Energy Saved and/or Renewable Energy Generated: 318,477 kwh  
 Proposed GHG Emissions Reduced (CO2 Equivalents): 154.000  
 Proposed Funds Leveraged: \$2,000.00  
 Proposed EECBG Budget: 157,500.00  
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
 Project Contact First Name: Janet Last Name: Purchase Email: jpurchase@rivcoeda.org  
 Metric Activity: Building Retrofits If Other: \_\_\_\_\_

**Project Summary: (limit summary to space provided)**

The Riverside County Probation Department operates three juvenile halls, of which Indio Juvenile Hall is one. The detention facility houses male and female juveniles pending court hearings or placement. Indio Juvenile Hall (25,746 sf) is an 82-bed, 24/7 juvenile detention facility with dormitories and classrooms.

**Daily Programs and Activities include:**

Attending school. Eligible minors can prepare and test for their G.E.D. or graduate with their diploma  
 Every-day social living skills.  
 Recreational and exercise programs.  
 Religious counseling and services.  
 Medical attention and mental health counseling as needed.  
 Programs with a focus on family, teen violence, parenting, substance abuse, gangs, and vocational training

The existing Carrier (120 ton reciprocating) chiller is in very poor condition and undersized for the needs of the facility. The proposed scope of work is as follows:

- 1) Furnish and install a new Carrier, 135 ton, water cooled chiller, w/twin screw compressors.
- 2) Furnish and install new seismic isolation supports
- 3) Furnish and install new conduit and wiring from the electrical power room
- 4) Furnish and install new chilled water and condenser water piping and valves.
- 5) Furnish and install new pipe insulation onto the new CHW piping.
- 6) Tie into the existing controls to run either machine.
- 7) Start-up, testing, and system balancing.

The existing chiller will remain in place as a back-up only. It can be repaired, but cannot run for a long period of time without intensive maintenance.

The County will procure the chiller replacement through a competitive RFP. The project budget is estimated at \$157,500, which includes a \$2,000 rebate from the Imperial Irrigation District. The timeline for project completion is estimated at 120 days from notice to proceed.

**Projected project metrics:**

1. Enhance the local economy by creating and retaining jobs: This project is anticipated to support the equivalent of 2.0 FTE.
2. Reduce energy usage through retrofits of existing systems: Even though a larger chiller is being installed, the high efficiency of the chiller will reduce electrical usage.
3. Increase the use of renewable energy sources in conjunction with energy efficiency: (N/A)
4. Reduce greenhouse gas emissions by employing better energy practices: Installing a more efficient chiller will reduce the need for power from the grid. Power from the grid generates greenhouse gas emissions.
5. Leverage funding from existing sources to maximize benefits: The anticipated rebate from the Imperial Irrigation District will be used to "buy-down" the overall project cost.
6. Reduce County operational costs through energy savings: The average cost per kWh for the Indio area is \$.126. If the projected savings are achieved, this project will reduce operational costs for the facility by approximately \$40,128 per year. Additionally, the County will realize savings in maintenance costs. The current chiller requires frequent maintenance & repair to stay operational. The new system will address this issue with new, correctly sized equipment that is also energy efficient.

*If you are proposing more than one activity, save this file as many times as needed with successive page numbers. For example: "OH-CITY-Columbus-Project Activity page 1.pdf," "OH-CITY-Columbus-Project Activity page 2.pdf," and continue as needed.*

## EECBG Activity Worksheet

Grantee: County of Riverside Date: 12/01/2009  
 DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: County Fairgrounds--Fullenwider Auditorium HVAC Upgrade  
 Activity: 5. Energy Efficiency Retrofits If Other: \_\_\_\_\_  
 Sector: Public If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 2.00 Proposed Number of Jobs Retained: 0.00  
 Proposed Energy Saved and/or Renewable Energy Generated: 280,174 kwh  
 Proposed GHG Emissions Reduced (CO2 Equivalents): 135.000  
 Proposed Funds Leveraged: \$0.00  
 Proposed EECBG Budget: 140,317.00  
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
 Project Contact First Name: Janet Last Name: Purchase Email: jpurchase@rivcoeda.org  
 Metric Activity: Building Retrofits If Other: \_\_\_\_\_

**Project Summary: (limit summary to space provided)**

The Fullenwider Auditorium is a large, convention-center style building with large meeting rooms for rent (for events, conferences and other group activities). It is on the grounds of the County Fairgrounds in Indio and sits adjacent to a sports center building and other fairground buildings.

There are five existing Carrier rooftop package HVAC units that are old and inefficient. This project proposes to replace the 80 ton unit with a high efficiency unit (the other units are 90 ton each). The proposed scope of work is as follows:

- 1) Disconnect and remove one of the existing 90 ton Carrier rooftop package units.
- 2) Furnish and install a new, high-efficiency Carrier rooftop package unit (90 ton) with power exhaust and economizer. (Note: as the new unit footprint will not be an exact match for the existing equipment the installation of a "Factory fabricated" adapter curb will be utilized).
- 3) Reconnect and modify (as needed) the existing electrical power, disconnect, and control, condensate piping, and gas piping.
- 4) Factory start up and one year Parts & Labor warranty
- 5) Removal and proper disposal of the existing equipment
- 6) All rigging and crane costs associated with this work are included

The County will procure the chiller replacement through a competitive RFP. The project budget is estimated at \$140,317. The timeline for project completion is estimated at 120 days from notice to proceed.

**Projected project metrics:**

1. Enhance the local economy by creating and retaining jobs: This project is anticipated to support the equivalent of 2.0 FTE.
2. Reduce energy usage through retrofits of existing systems: The old unit is very inefficient. The high efficiency of the new unit will reduce electrical usage.
3. Increase the use of renewable energy sources in conjunction with energy efficiency: (N/A)
4. Reduce greenhouse gas emissions by employing better energy practices: Installing a more efficient package unit will reduce the need for power from the grid. Power from the grid generates greenhouse gas emissions.
5. Leverage funding from existing sources to maximize benefits: (N/A)
6. Reduce County operational costs through energy savings: The average cost per kWh for the Indio area is \$.126. If the projected savings are achieved, this project will reduce operational costs for the facility by approximately \$35,302 per year.



**EECBG Activity Worksheet**

Grantee: County of Riverside Date: 12/01/2009

DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org

Program Contact First Name: Janet Last Name: Purchase

Project Title: Ben Clark Training Center Chiller Upgrade

Activity: 5. Energy Efficiency Retrofits If Other: \_\_\_\_\_

Sector: Public If Other: \_\_\_\_\_

Proposed Number of Jobs Created: 2.00 Proposed Number of Jobs Retained: 0.00

Proposed Energy Saved and/or Renewable Energy Generated: 287,728 kwh

Proposed GHG Emissions Reduced (CO2 Equivalents): 139.000

Proposed Funds Leveraged: \$2,894.00

Proposed EECBG Budget: 141,206.00

Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00

Project Contact First Name: Janet Last Name: Purchase Email: jpurchase@rivcoeda.org

Metric Activity: Building Retrofits If Other: \_\_\_\_\_

**Project Summary: (limit summary to space provided)**

Opening in 1996, the Ben Clark Training Center (BCTC) provides training of public safety officers for several local, state, and regional agencies. With a complex of buildings that include a large office building, an office and classroom building, two dormitories, a dining and meeting facility, a sound stage, and 56 modular buildings for training, the BCTC provides essential training services for police, fire, and emergency medical services personnel.

The Center was transferred to Riverside County from the March Joint Powers Authority under a "public benefit conveyance." This is an authorization for the federal government to transfer surplus property at no cost for public uses. The Training Center is managed by the Riverside County Sheriff's Department. Over time, the Center will continue to develop according to a Master Plan into one of the foremost public safety training centers in the United States.

The existing Carrier (100 ton air-cooled, 9.9 SEER) chiller serving the two dormitory/classroom buildings was inherited by the County as a result of the transfer from March JPA. It is in poor condition and runs inefficiently. The proposed scope of work is as follows:

- 1) Disconnect and remove existing chiller.
- 2) Install new 100 ton (10.72 SEER) air cooled chiller in existing enclosure.
- 3) Install equipment pad in existing enclosure.
- 4) Reconnect existing water piping and re-insulate.
- 5) Reconnect existing electrical.
- 6) Start-up, testing, and system performance check.

The County will procure the chiller replacement through a competitive RFP. The project budget is estimated at \$141,206, which includes a \$2,894 rebate from the Southern California Edison. The timeline for project completion is estimated at 120 days from notice to proceed.

**Projected project metrics:**

1. Enhance the local economy by creating and retaining jobs: This project is anticipated to support the equivalent of 2.0 FTE.
2. Reduce energy usage through retrofits of existing systems: The new, more efficient chiller will use less electricity and reduce demand.
3. Increase the use of renewable energy sources in conjunction with energy efficiency: (N/A)
4. Reduce greenhouse gas emissions by employing better energy practices: Installing a more efficient chiller will reduce the need for power from the grid. Power from the grid generates greenhouse gas emissions.
5. Leverage funding from existing sources to maximize benefits: The anticipated rebate from Southern California Edison will be used to "buy-down" the overall project cost.
6. Reduce County operational costs through energy savings: The average cost per kwh for the BCTC is \$.16. If the projected savings are achieved, this project will reduce operational costs for the facility by approximately \$46,036 per year. Additionally, the County will realize savings in maintenance over the existing chiller, which requires frequent maintenance and repair to stay operational.

## EECBG Activity Worksheet

Grantee: County of Riverside Date: 12/01/2009  
 DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: Edward Dean Museum Admin Building HVAC Upgrade  
 Activity: 5. Energy Efficiency Retrofits If Other: \_\_\_\_\_  
 Sector: Public If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 0.00 Proposed Number of Jobs Retained: 0.00  
 Proposed Energy Saved and/or Renewable Energy Generated: 25,259 kwh  
 Proposed GHG Emissions Reduced (CO2 Equivalents): 12.000  
 Proposed Funds Leveraged: \$0.00  
 Proposed EECBG Budget: 12,650.00  
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
 Project Contact First Name: Janet Last Name: Purchase Email: jpurchase@rivcoeda.org  
 Metric Activity: Building Retrofits If Other: \_\_\_\_\_

Project Summary: *(limit summary to space provided)*

The Edward Dean Museum campus consists of three main buildings: the museum, the Kay Cisneros Community Center building and the Administration building. Located in Cherry Valley, CA (north of Beaumont, CA) all three buildings are stand-alone buildings. The Administration building is an old house (built in 1957) that has been converted to office space. The new HVAC system (split system) will serve this building. The existing 10 SEER split system will be upgraded to a 16.5 SEER system.

The proposed scope of work is as follows:

1. Recover refrigerant from existing system using EPA-approved methods and procedures.
2. Remove condenser, furnace and coil.
3. Install new 16.5 SEER Condenser, Furnace and A/C coil system.
4. Furnace to be 80% AFUE,
5. Replace refrigerant lineset.
6. Install new supply and return plenums and reconnect all ductwork.
7. Reconnect gas, electrical and condensate for a complete and operational system.

The County will procure the HVAC retrofit through a competitive RFP. The project budget is estimated at \$12,650. Southern California Edison does not offer rebates on package units, as the units themselves are discounted "upstream". The timeline for project completion is estimated at 30 days from notice to proceed.

## Projected project metrics:

1. Enhance the local economy by creating and retaining jobs: (N/A)
2. Reduce energy usage through retrofits of existing systems: Installing a more efficient HVAC package unit will reduce energy usage, both electric and natural gas.
3. Increase the use of renewable energy sources in conjunction with energy efficiency: (N/A)
4. Reduce greenhouse gas emissions by employing better energy practices: Installing a more efficient HVAC system will reduce the need for power from the grid. Power from the grid generates greenhouse gas emissions.
5. Leverage funding from existing sources to maximize benefits: (N/A)
6. Reduce County operational costs through energy savings: The average cost per kWh for the Museum is \$.166. If the projected savings are achieved, this project will reduce operational costs for the facility by approximately \$4,193 per year. Additionally, the County will realize savings in maintenance costs. The current HVAC system is approximately 15 years old and requires frequent maintenance & repair to stay operational. The new system will address this issue with new equipment that is also energy efficient.

EECBG Activity Worksheet

Grantee: County of Riverside Date: 12/01/2009

DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org

Program Contact First Name: Janet Last Name: Purchase

Project Title: Twin Pines Ranch Lighting Retrofit

Activity: 12. Lighting If Other: \_\_\_\_\_

Sector: Public If Other: \_\_\_\_\_

Proposed Number of Jobs Created: 1.00 Proposed Number of Jobs Retained: 0.00

Proposed Energy Saved and/or Renewable Energy Generated: 96,641 kWh

Proposed GHG Emissions Reduced (CO2 Equivalents): 47.000

Proposed Funds Leveraged: \$9,029.00

Proposed EECBG Budget: 39,371.00

Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00

Project Contact First Name: Janet Last Name: Purchase Email: jpurchase@rivcoeda.org

Metric Activity: Building Retrofits If Other: \_\_\_\_\_

Project Summary: *(limit summary to space provided)*

The Twin Pines Ranch is a 24/7, male juvenile detention facility (82,112 sf) located in rural Banning. The compound was built in 1950. The Ranch compound consists of many buildings including classrooms, dormitories, and vocational buildings (auto, carpentry and mason shops).

This facility is desperately in need of a lighting retrofit, as the facility still has T12 fluorescent lighting in many places. The scope of work is as follows:

1. Replace incandescent (track halogen) lighting with LED (17)
2. Replace incandescent lighting with compact fluorescent lighting (56)
3. Replace T12 lamps and ballasts with 4th generation T8 lamps and ballasts (200).
4. Replace 1st generation T8 lamps and ballasts with latest generation T8 lamps and ballasts (56)
5. Replace mercury vapor lamps with T5 lamps and ballasts (17).

The County will procure the lighting retrofit services through a competitive RFP. The project budget is estimated at \$39,371, which takes in account leveraged funding in the form of an anticipated rebate of \$9,029 from the Southern California Edison. The timeline for project completion is estimated at 90 days from notice to proceed.

Projected project metrics:

1. Enhance the local economy by creating and retaining jobs: This project is anticipated to support the equivalent of 1.0 FTE.
2. Reduce energy usage through retrofits of existing systems: The existing lighting systems will be retrofitted with energy-efficient lamps and ballasts.
3. Increase the use of renewable energy sources in conjunction with energy efficiency: (N/A)
4. Reduce greenhouse gas emissions by employing better energy practices: Using less electricity in the lighting systems will reduce the need for power from the grid, the production of which generates greenhouse gas emissions.
5. Leverage funding from existing sources to maximize benefits: The anticipated rebate will be used to "buy-down" the overall project cost.
6. Reduce County operational costs through energy savings: The average cost per kWh in the Banning area (SCE territory) is \$.16. If the projected energy savings are achieved, this project will reduce operational costs for the facility by approximately \$15,463 per year.

**EECBG Activity Worksheet**

Grantee: County of Riverside Date: 12/01/2009  
 DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: Roy's Desert Resource Center Rooftop Wind Turbines  
 Activity: 13. Onsite Renewable Technology If Other: \_\_\_\_\_  
 Sector: Public If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 2.00 Proposed Number of Jobs Retained: 0.00  
 Proposed Energy Saved and/or Renewable Energy Generated: 60,549 kwh  
 Proposed GHG Emissions Reduced (CO2 Equivalents): 29.000  
 Proposed Funds Leveraged: \$36,300.00  
 Proposed EECBG Budget: 129,200.00  
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
 Project Contact First Name: Janet Last Name: Purchase Email: jpurchase@rivcoeda.org  
 Metric Activity: Renewable Energy Market Development If Other: \_\_\_\_\_

**Project Summary: (limit summary to space provided)**

Roy's Desert Resource Center is the second phase of a two-phase building project. The Project's Phase I development involved the existing facility known as the Mental Health Safe Haven and Full Service Partnership Clinic. This Phase I facility occupies a total of 13,448 square feet, of the eastern portion of the existing building and has the current capability of accommodating up to 25 homeless, single men and women. Phase I development is completed at this time.

The Phase II development involves the western portion of the existing 47,000 square foot building, and is named as Roy's Desert Resource Center, in honor of the County's late Supervisor Roy Wilson. This facility will occupy 20,546 square feet and will be able to accommodate up to 120 single men, single women, and families.

This project proposes to reduce electrical usage by installing eight (each) 2.4 kW Skystream 3.7 rooftop wind turbines to generate electricity for the facility. The facility is directly adjacent to an existing wind farm and has excellent wind resources (average 15.9 mi/hr winds). Each wind turbine is projected to create 6,600 kWh per year, for a total of 52,800 kWh per year. The proposed scope of work is as follows:

- 1) Receive and unload wind turbines.
- 2) Lift turbines with crane to roof.
- 3) Install turbines using appropriate mounting fixtures.
- 4) Wire from wind turbine to inverter located in building and from inverter to main electrical panel.
- 5) Interconnect with utility (Southern California Edison)

The County will procure the wind turbine installation through a competitive RFP. The project budget is estimated at \$129,200, which includes a \$36,300 rebate from the California Energy Commission's Emerging Technologies Rebate for small wind. The timeline for project completion is estimated at 90 days from notice to proceed.

**Projected project metrics:**

1. Enhance the local economy by creating and retaining jobs: This project is anticipated to support the equivalent of 2.0 FTE.
2. Reduce energy usage through retrofits of existing systems: (N/A)
3. Increase the use of renewable energy sources in conjunction with energy efficiency: This project would result in the County's first wind energy installation. The desert region of Riverside County has excellent wind resources.
4. Reduce greenhouse gas emissions by employing better energy practices: Installing wind turbines will reduce the need for power from the grid. Power from the grid generates greenhouse gas emissions.
5. Leverage funding from existing sources to maximize benefits: The anticipated incentive from Southern California Edison will be used to "buy-down" the overall project cost.
6. Reduce County operational costs through energy savings: The average cost per kWh for the Phase I facility is \$.139. If the wind turbines achieve the expected production (550 kwh/mo at 15.5 mi/hr winds), then the wind turbines will save the County \$7,339 per year in electricity costs.

## EECBG Activity Worksheet

Grantee: March Joint Powers Authority Date: 03/18/2010  
 DUNS #: 799839428 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: Climate Action Plan for the March JPA Planning Area  
 Activity: 1. Energy Efficiency and Conservation Strategy If Other: \_\_\_\_\_  
 Sector: All Sectors If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 0.00 Proposed Number of Jobs Retained: 0.00  
 Proposed Energy Saved and/or Renewable Energy Generated: 393,423 kwh  
 Proposed GHG Emissions Reduced (CO2 Equivalents): 190.000  
 Proposed Funds Leveraged: \$40,060.00  
 Proposed EECBG Budget: 15,000.00  
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$15,000.00  
 Project Contact First Name: Grace Last Name: Williams Email: williams@marchjpa.com  
 Metric Activity: Clean Energy Policy If Other: \_\_\_\_\_

**Project Summary: (limit summary to space provided)**

Located within the western Riverside County region of Southern California, March Air Force Base (AFB) encompassed approximately 6,500 acres straddling Interstate 215 (Highway 395) just south of Highway 60. March AFB was first established as a military installation in 1918, and has operated almost continually since. In July, 1993, March AFB was selected to be realigned, and subsequently converted from an active duty base to a Reserve Base, effective April 1, 1996. The decision to realign March AFB resulted in approximately 4,400 acres of property and facilities being declared surplus and available for disposal actions, as well as joint use of the airfield. The March JPA is located within an unincorporated area of Riverside County. It is considered a "Special District" of the County of Riverside by the U.S. Census Bureau. The 4,400 acre area is generally located south of Alessandro Boulevard, north of Oleander Avenue, west of Heacock Street and east of Barton Street (see attached map).

Upon announcement in 1993 by BRAC of realignment of March AFB to an air reserve base, the adjoining jurisdictions (County of Riverside, City of Riverside, City of Moreno Valley, City of Perris) formed the March Joint Powers Authority to address base reuse at March AFB. The March JPA is planning and implementing new uses for currently vacant lands, reuse of existing facilities, and joint use of the airfield facilities for the development of an air cargo facility.

This project proposes to meet the requirements of California AB 32 and SB 375 by developing a Greenhouse Gas emissions inventory and accompanying Climate Action Plan for the March JPA Planning areas. The scope of work is as follows:

- 1) Develop a Greenhouse Gas ("GHG") emissions inventory for existing conditions within the March JPA Planning Area;
- 2) Project GHG emissions inventory estimates for year 2020 using development growth rates;
- 3) Estimate 1990 GHG emissions inventory through back-casting using known growth rates;
- 4) Develop appropriate reduction targets for the Climate Action Plan;
- 5) Evaluate Recommended Reduction Measures (Policies and Strategies) for use in a March JPA Climate Action Plan;
- 6) Estimate 2020 emissions inventory with clean energy strategies and GHG reduction measures in place;
- 7) Develop Climate Action Plan (Policies and Strategies) document summarizing the inventories, reduction measures, and reduction targets;
- 8) Negotiate with the Attorney General and other state and regional agencies to take into account the local agency's reduction strategies in the Climate Action Plan during the General Plan update in 2010 and implementation of SB 375;
- 9) Complete the environmental process (CEQA) for the adoption of the Climate Action Plan (including public hearings)
- 10) Incorporate the Climate Action Plan (Policies and Strategies) into the MJPA General Plan in 2010.

The general steps and timelines for completion are as follows:

Start data collection:	11/2009
Complete a GHG Inventory:	2/2010
Climate Action Plan Preparation:	3/2010 through 5/2010
Completion:	6/2010

The subgrant of \$15,000 from the County of Riverside will reduce the overall cost of the project from \$55,060 to \$40,060.

## EECBG Activity Worksheet

Grantee: County of Riverside Date: 12/01/2009  
 DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: County of Riverside/Riverside Public Utilities Joint "GreenQuest" Website Sponsorship  
 Activity: 6. Buildings and Facilities If Other: \_\_\_\_\_  
 Sector: All Sectors If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 0.00 Proposed Number of Jobs Retained: 0.00  
 Proposed Energy Saved and/or Renewable Energy Generated: \_\_\_\_\_  
 Proposed GHG Emissions Reduced (CO2 Equivalents): \_\_\_\_\_  
 Proposed Funds Leveraged: \$12,000.00  
 Proposed EECBG Budget: 32,000.00  
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
 Project Contact First Name: Janet Last Name: Purchase Email: jpurchase@rivcoeda.org  
 Metric Activity: Workshops, Training, and Education If Other: \_\_\_\_\_

**Project Summary: (limit summary to space provided)**

This project activity proposes to provide a community-wide energy information solution will help to accomplish the goals of the EECBG. The solution is comprised of EnergyCAP Energy Efficiency Software and the GreenQuest personal energy information tool. Together, these products form a comprehensive solution for managing the energy information of the local governing body as well as the local citizens. A basic step in energy management is energy measurement. After all, you can't manage what you can't measure. A community-wide energy efficiency solution must include energy measurement in order to attain energy efficiency.

Riverside County has already purchased EnergyCAP Energy Efficiency Software as an upgrade to its existing Utility Manager system. Once the conversion is complete, the County will be able to better measure utility spending through energy tracking reports and benchmarks, manage energy accounting processes, and save both the bottom line and the environment by optimizing energy management processes and reducing energy costs. EnergyCAP provides tools that 1) eliminate billing and metering errors, 2) pinpoint and target wasteful facilities, 3) optimize utility bill payment processes, 4) streamline energy accounting, budgeting, and accruals, 5) generate energy analysis graphs and reports, 6) track and report greenhouse gas emissions, 7) receive ENERGY STAR building energy ratings.

To assist County residents and small businesses in becoming aware of and managing energy usage and costs, the County will partner with Riverside Public Utilities (RPU) to offer GreenQuest, a personal online energy information tool for single building owners. The governing organizations (Riverside County and RPU) sponsor their own private GreenQuest website and make it available to its citizens. With GreenQuest, citizens manage their personal energy information, making it easy for them to: 1) track monthly utility usage and cost, 2) compare energy usage to peers, 3) see how the weather impacts energy usage, 4) obtain an ENERGY STAR building rating, 5) evaluate the effectiveness of conservation projects, and 6) determine the carbon footprint of their property.

Providing GreenQuest to the local citizens will increase their energy awareness and put energy conservation on their minds. Instead of just talking about energy conservation, the County and local utility will provide a tool for them to conserve. Also, both the County and RPU will emphasize and reinforce conservation programs by placing campaign messages and links on the GreenQuest web site.

It is also our hope that GreenQuest will help the economy by providing small businesses (especially) a tool to reduce costs through energy efficiency. Energy cost reductions will enable them to stay in business longer and perhaps hire more workers. With the County's unemployment rate at 14.6%, a free energy tracking tool may prove extremely valuable to County and RPU constituents.

The County will contract with Good Steward Software to design and host the web site, and provide all technical support for users. Because the County is already an EnergyCAP customer, the setup fees are waived and the annual cost of sponsorship is reduced from \$26,000 to \$13,000 annually. Of that \$13,000, RPU will pay \$4,000 annually and the County will pay \$9,000 annually. A budget of \$5,000 has been established to market the availability of the free website to all County constituents. Therefore, the budget for the County's portion of the project will be \$32,000. The timeline for the web site to go live is estimated at 60 days from notice to proceed. Good Steward Software will also provide all reporting required by EECBG, as well as statistics on how many residents are using the software and energy reductions experienced by the users.

## EECEBG Activity Worksheet

Grantee: County of Riverside, CA Date: 11/05/2009  
 DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: GHG Inventory  
 Activity: 2. Technical Consultant Services If Other: \_\_\_\_\_  
 Sector: All Sectors If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 4.89 Proposed Number of Jobs Retained: 0.00  
 Proposed Energy Saved and/or Renewable Energy Generated: 11,802,697 kWh/year  
 Proposed GHG Emissions Reduced (CO2 Equivalents): 5,694.000  
 Proposed Funds Leveraged: \$0.00  
 Proposed EECEBG Budget: 450,000.00  
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
 Project Contact First Name: Mitra Last Name: Mehta-Cooper Email: MMehta@rct1ma.org  
 Metric Activity: Building Energy Audits If Other: \_\_\_\_\_

**Project Summary: (limit summary to space provided)**

**PROJECT DESCRIPTION:** Technical Consulting / Energy Audits for County Climate Action Planning

The County is seeking funds to hire a Technical Consultant to perform an audit of the greenhouse gas emissions occurring within Riverside County and to prepare a Climate Action Plan (CAP) outlining appropriate methods and policies for improving Riverside County. The Climate Action Plan (CAP) will address ways in which the County of Riverside can reduce greenhouse gas (GHG) emissions, increase energy efficiency and alternative energy use, and decrease use of natural resources, such as water and fossil fuels. The CAP will also provide detailed plans for improving efficiency and sustainability in a variety of sectors, including new development of residential, commercial and industrial land uses; transportation and mobile source emissions; public facilities and utilities; County operations; and lastly, existing uses, such as homes, businesses and other private uses.

Technical Consulting Services to be funded under this grant are being requested for two phases of work. A full description of the Scope of Work to be performed by Technical Consultant is provided in the RFP. Also attached are copies of the overall project budget and an email outlining a quoted price for the type of technical consulting services requested.

**PHASE ONE:** Develop baseline energy use, water use, GHG emissions and AQ conditions, as well as build-out scenarios/modeling. This phase will result in determination of appropriate interim Implementation Measures for mitigating new development impacts on GHG emissions, energy efficiency, alternative energy use and resource conservation. Estimated cost in EECEBG funds, \$150,000.

**PHASE TWO:** Develop the Climate Action Plan in coordination with County staff, including a full carbon (GHG) inventory to identify appropriate means of GHG and energy use reduction for a variety of sectors, in order to achieve County's established GHG reductions. This phase will also include the development of any other technical and implementation measures necessary for the proposed CAP. Estimated cost in EECEBG funds, \$300,000.

Total cost for TECHNICAL CONSULTANTS is \$450,000.

**ACTION ITEMS and TARGET INITIATION OR COMPLETION DATES:** Including, but not limited to:

1. Request For Proposal (RFP) issued for Technical Consulting (see copy attached) - October 2009
2. County to make selection from bids received - Nov.-Dec. 2009
3. County to finalize contract with selected firm - Jan.-Feb. 2010 (contingent upon funding)
4. Technical Consultant to develop baseline GHG analyses and AQ pollutant modeling - March 2010
5. Technical Consultant to submit audit data/analysis and feasibility study to County - May 2010
6. Technical Consultant to develop draft implementation measures for energy efficiency, sustainability and GHG reductions within County - July 2010
7. Technical Consultant to prepare full county-wide carbon inventories - Aug. 2010-July 2011
8. Technical Consultant to prepare draft Climate Action Plan - July-Dec. 2011
9. Technical Consultant to attend public hearings for CAP formalization, as needed - Jan. 2012

## EECBG Activity Worksheet

Grantee: County of Riverside, CA Date: 11/05/2009  
 DUNS #: 64772721 Program Contact Email: jpurchase@rivcoeda.org  
 Program Contact First Name: Janet Last Name: Purchase  
 Project Title: Riverside County Climate Action Plan  
 Activity: 1. Energy Efficiency and Conservation Strategy If Other: \_\_\_\_\_  
 Sector: All Sectors If Other: \_\_\_\_\_  
 Proposed Number of Jobs Created: 8.15 Proposed Number of Jobs Retained: 0.00  
 Proposed Energy Saved and/or Renewable Energy Generated: N/A  
 Proposed GHG Emissions Reduced (CO2 Equivalents): 0.000  
 Proposed Funds Leveraged: \$0.00  
 Proposed EECBG Budget: 750,000.00  
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: \$0.00 Subgrants: \$0.00  
 Project Contact First Name: Mitra Last Name: Mehta-Cooper Email: MMehta@rctlma.org  
 Metric Activity: Clean Energy Policy If Other: \_\_\_\_\_

**Project Summary: (limit summary to space provided)**

**PROJECT DESCRIPTION:** Energy Efficiency and Conservation Strategy / Clean Energy Policy for Riverside County Climate Action Plan

The County is seeking funds to develop a Climate Action Plan (CAP) to set forth the County's energy efficiency, conservation, sustainability and greenhouse gas emission reductions. The CAP will provide programs, policies and plans for the County to reduce greenhouse gas (GHG) emissions, increase energy efficiency and alternative energy use, and decrease use of natural resources, such as water and fossil fuels. The CAP will provide efficiency plans for a variety of sectors, including new development of residential, commercial and industrial land uses; transportation and mobile source emissions; public facilities and utilities; County operations and emissions; and lastly, existing uses, such as homes, businesses and other private uses.

This proposal covers activities to be performed by County staff and CAP Manager, primarily through the County Planning Department, in coordination with the County Economic Development Agency and other County departments. Staff will perform the tasks outlined below.

**PHASE 1:** (Phase I subtotal = \$301,070)

Develop baseline energy and GHG data in coordination with Technical Consultant. Develop policy framework and interim implementation measures. Coordinate with affected County departments and agencies to determine their CAP needs. Prepare necessary environmental analyses and reports. Develop protocols for assessing compliance with interim energy and GHG policies implementation. Train staff in how to enforce implementation measures and how to use assessment protocols. Review new development plans for appropriate efficiency, conservation and GHG reduction measures.

**PHASE 2:** (Phase 2 subtotal = \$748,896.00)

Manage and coordinate the development of full energy audit/carbon inventory by Technical Consultant. Develop CAP policies and programs in coordination with Technical Consultant and affected County departments and agencies. Process proposed Climate Action Plan through County formalization process. Implement Climate Action Plan by coordinating with all applicable departments involved in the enforcement of applicable implementation measures. Monitor implementation progress and results.

Estimated total cost in EECBG funds for Climate Action Plan preparation and implementation under this request is \$750,000.

**ACTION ITEMS and TARGET INITIATION OR COMPLETION DATES:** Including, but not limited to:

1. Hire Technical Consultant to perform technical audits / analyses - Jan. - Feb. 2010
2. Develop baseline for energy audit, GHG analyses, AQ pollutant modeling - March 2010
4. Finalize feasibility analysis and GHG reduction Implementation Measures - May 2010
5. Public hearings for interim GHG reduction policies - June 2010
6. Adopt interim GHG reduction policies and Implementation Measures - July 2010
6. Complete countywide carbon inventory - July 2010 - July 2011
8. Finalize proposed Climate Action Plan document - Dec. 2011
9. Public hearings for CAP formalization - Jan. 2012
10. First status report on interim GHG policies & CAP implementation - June 2012



**U.S. Department of Energy  
FEDERAL ASSISTANCE REPORTING CHECKLIST  
AND INSTRUCTIONS**

1. Identification Number:  DE-EE0000899, 001		2. Program/Project Title:  County of Riverside, CA Energy Efficiency and Conservation Block Grant											
3. Recipient:  County of Riverside, CA													
4. Reporting Requirements		Frequency	No. of Copies										
<b>A. MANAGEMENT REPORTING</b> <input checked="" type="checkbox"/> Progress Report  <input checked="" type="checkbox"/> Special Status Report		<b>Q,M</b>  <b>A</b>	<b>Upload 1 copy to the address in the next column</b>  <b>Electronic Version</b>										
<b>B. SCIENTIFIC/TECHNICAL REPORTING</b> (Reports/Products must be submitted with appropriate DOE F 241. The 241 forms are available at <a href="http://www.osti.gov/elink">www.osti.gov/elink</a> .)  <table border="0"> <tr> <td align="center">Report/Product</td> <td align="center">Form</td> </tr> <tr> <td><input type="checkbox"/> Final Scientific/Technical Report</td> <td>DOE F 241.3</td> </tr> <tr> <td><input type="checkbox"/> Conference papers/proceedings*</td> <td>DOE F 241.3</td> </tr> <tr> <td><input type="checkbox"/> Software/Manual</td> <td>DOE F 241.4</td> </tr> <tr> <td><input type="checkbox"/> Other (see special instructions)</td> <td>DOE F 241.3</td> </tr> </table> <i>* Scientific and technical conferences only</i>		Report/Product	Form	<input type="checkbox"/> Final Scientific/Technical Report	DOE F 241.3	<input type="checkbox"/> Conference papers/proceedings*	DOE F 241.3	<input type="checkbox"/> Software/Manual	DOE F 241.4	<input type="checkbox"/> Other (see special instructions)	DOE F 241.3		
Report/Product	Form												
<input type="checkbox"/> Final Scientific/Technical Report	DOE F 241.3												
<input type="checkbox"/> Conference papers/proceedings*	DOE F 241.3												
<input type="checkbox"/> Software/Manual	DOE F 241.4												
<input type="checkbox"/> Other (see special instructions)	DOE F 241.3												
<b>C. FINANCIAL REPORTING</b> <input checked="" type="checkbox"/> SF-425, Financial Status Report		<b>Q, F</b>	Electronic Version  <b>WWW.PAGE.ENERGY.GOV</b>										
<b>D. CLOSEOUT REPORTING</b> <input type="checkbox"/> Patent Certification <input checked="" type="checkbox"/> Property Certification <input type="checkbox"/> Other		<b>F</b>	<b>TBD</b>										
<b>E. OTHER REPORTING</b> <input type="checkbox"/> Annual Indirect Cost Proposal <input type="checkbox"/> Annual Inventory of Federally Owned Property, if any <input checked="" type="checkbox"/> Other-See Section 5 below:		<b>A</b>	<b>WWW.FEDERALREPORTING.GOV</b>										
<b>FREQUENCY CODES AND DUE DATES:</b>  <table border="0"> <tr> <td>A - Within 5 calendar days after events or as needed.</td> <td>S - Semiannually; within 30 days after end of reporting period.</td> </tr> <tr> <td>F - Final; 90 calendar days after expiration or termination of the award.</td> <td>Q -Quarterly; within 30 days after end of the reporting period.</td> </tr> <tr> <td>Y - Yearly; 90 days after the end of the reporting period.</td> <td>M-Monthly, within 30 days after the end of the reporting period.</td> </tr> </table>				A - Within 5 calendar days after events or as needed.	S - Semiannually; within 30 days after end of reporting period.	F - Final; 90 calendar days after expiration or termination of the award.	Q -Quarterly; within 30 days after end of the reporting period.	Y - Yearly; 90 days after the end of the reporting period.	M-Monthly, within 30 days after the end of the reporting period.				
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5. Special Instructions: Forms are available at <a href="https://www.eere-pmc.energy.gov/forms.aspx">https://www.eere-pmc.energy.gov/forms.aspx</a> . 1. The Monthly EECBG Progress Report will be due on the 30 <sup>th</sup> of the month following the month for which data is being reported. The Quarterly EECBG Progress Report will be due on the 30 <sup>th</sup> of the month following the quarter for which data is being reported. For the 3 <sup>rd</sup> month of each quarterly reporting period, both a monthly and quarterly report are due on their respective due dates. Monthly reporting will be effective beginning April 2010 with the first monthly report due May 30, 2010. See instructions at: <a href="http://www.eecbg.energy.gov/Downloads/EECBG_10-07A.pdf">http://www.eecbg.energy.gov/Downloads/EECBG_10-07A.pdf</a>  2. Submit reports to the DOE Project Officer. <b>Other Reporting:</b> 1. ARRA-Performance Progress Report: The required reports are due no later than ten calendar days after each calendar quarter in which the recipient receives the assistance award funded in whole or in part by the Recovery Act. Recipients are instructed to maintain data in order to report cumulatively. See the Special Terms and Conditions for Recovery Act reporting requirements, along with the following web site: <a href="http://www.federalreporting.gov">http://www.federalreporting.gov</a> .  2. Disposition of Historic Preservation Consultations by Category Report: This report shall be submitted annually on September 1. A reporting format will be forthcoming.  See Federal Assistance Reporting Instructions on following pages for more details.													

## Federal Assistance Reporting Instructions

Reporting requirements under the EECBG Program consist of the following types of reports:

### SPECIAL STATUS REPORT

The recipient must report the following events by e-mail as soon as possible after they occur:

1. Developments that have a significant favorable impact on the project.
2. Problems, delays, or adverse conditions which materially impair the recipient's ability to meet the objectives of the award or which may require DOE to respond to questions relating to such events from the public. For example, the recipient must report any of the following incidents and include the anticipated impact and remedial action to be taken to correct or resolve the problem/condition:
  - a. Any single fatality or injuries requiring hospitalization of five or more individuals.
  - b. Any significant environmental permit violation.
  - c. Any verbal or written Notice of Violation of any Environmental, Safety, and Health statutes or regulations.
  - d. Any incident which causes a significant process or hazard control system failure.
  - e. Any event which is anticipated to cause a significant schedule slippage or cost increase.
  - f. Any damage to Government-owned equipment in excess of \$50,000.
  - g. Any other incident that has the potential for high visibility in the media.

### FINANCIAL REPORTING

- **FOR ALL RECIPIENTS:** Submit a Quarterly Progress Report and the SF-425 Federal Financial Report. Instructions for the Quarterly Progress Report are below. The SF-425 is available at <http://www.whitehouse.gov/omb/grants/index.html>.

### CLOSEOUT REPORTING

#### Property Certification

The recipient must provide the Property Certification, including the required inventories of non-exempt property, located at <http://grants.pr.doe.gov>.

### EECS STRATEGY (for units of local government and Indian tribes only)

- **FOR UNITS OF LOCAL GOVERNMENT AND INDIAN TRIBES:** units of local government and Indian tribes that do not submit an Energy Efficiency and Conservation Strategy (EECS) with their application must submit one not later than one-hundred twenty (120) days after the effective date of the award. The EECS shall be a comprehensive strategy that covers, at a minimum, all items details in Attachment D as well as the following:
  - Jurisdictional area covered by plan and governing body and/or office with direct authority over plan
  - Plan implementation partners and any leverages funds from private or other public sources
  - Baseline energy use and GHG emissions inventory and forecast
  - Goals/objectives for total energy use and emissions reductions, and energy efficiency increase (including deployment of renewable technologies)
    - Goals can be qualitative

- Actions/plans/strategies and implementation schedule to meet goals
  - Actions and strategies included in the plan can be eligible activities for use of funds under EECBG as well as activities that are ineligible; comprehensive planning is encouraged. The eligible activities should be marked as such.
  - Applicants are encouraged, in particular, to include the potential impact of anticipated leveraged funds from private as well as other public sources.
- Expected outcomes and benefits of plan:
  - Jobs created and/or retained
  - Energy saved
  - Renewable energy capacity
  - GHG emissions reduced
  - Funds leveraged
- Obstacles to reaching goals and strategies to remove obstacles
- Policies and/or administrative actions adopted or needed to support actions/plans/strategies/targets/schedule
- Evaluation, monitoring and verification plan
- Plan for how activities will be sustained beyond grant period
- Plans for the use of funds by adjacent eligible units of local governments that receive grants under the program; and plans to coordinate and share information with the state in which the eligible unit of local government is located regarding activities carried out using the grant to maximize the energy efficiency and conservation benefits under this part.
- Plans for how these funds will be coordinated with leverages funds, including other Recovery Act funds, to maximize benefits for local and regional communities.

#### ANNUAL REPORTS

- FOR UNITS OF LOCAL GOVERNMENT AND INDIAN TRIBES: Submit annual reports not later than two (2) years after the effective date of this award and annually thereafter. The annual report shall describe the status of development and implementation of the energy efficiency and conservation strategy and an assessment of energy efficiency gains within the jurisdiction of the eligible unit of local government or Indian Tribe. The annual report shall also address the metrics listed below.
- FOR STATES: Submit annual reports not later than one (1) year after the effective date of this award and annually thereafter. The annual report will include the metrics listed below as well as:
  - The status of development and implementation of the energy efficiency and conservation strategy of the state during the preceding calendar year;
  - The status of the subgrant program of the state;
  - Specific energy efficiency and conservation goals of the state for subsequent calendar years; and
  - Activities (list all programs created or supported by program funds and amount of program funds spent on each activity, indicate which programs are new and which are existing, indicate which programs are supported solely by program funds, and which have other funding sources.

#### ARRA PERFORMANCE PROGRESS REPORT

*Failure to comply with this reporting requirement may result in termination of that part of the award funding by Recovery Act.*

Not later than 10 days after the end of each calendar quarter, each recipient shall submit a report to the grantor agency that contains:

- The total amount of American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, covered funds received from that agency;
- The amount of American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, covered funds received that were expended or obligated to project or activities;
- A detailed list of all projects or activities for which American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, covered funds were expended or obligated including:

- Name of project or activity
  - Description of project or activity
  - Evaluation of the completion status of project or activity
  - Estimate of number of jobs created and retained by project or activity *in the manner and form prescribed by DOE*
  - Infrastructure investments made by State and local governments, purpose, total cost, rationale or agency for funding infrastructure investment, name of agency contact.
  - Information on subcontracts or subgrants awarded by recipient to include data elements required to comply with the Federal Accountability and Transparency Act of 2006 (Pub. L. 109-282).
- Compliance: As a condition of receipt of funds under this Act, no later than 180 days of enactment, all recipients shall provide the information described above.

DOE intends to append the periodic ARRA – Performance Progress Report to include reporting on the following, at a minimum:

The results of the funding provided for the EECBG Program through the American Recovery and Reinvestment Act (ARRA) will be assessed according to the following performance metrics:

- Jobs created and/or retained
- Energy (kwh/therms/gallons/BTUs/etc.) saved
- Renewable energy generated
- GHG emissions reduced
- Cost savings

The metrics described below are designed to track the accomplishments of projects funded by EECBG. States must not include results reported by direct grant recipients. Grant recipients will be presented with reporting requirements at the time they receive funding and will be expected to report their achievements in terms of the specified metrics presented below.

Grant recipients will be required to report quarterly on project expenditures, and also on specific activities and achievements, such as square feet of buildings retrofitted. These items tend to be outputs (actions taken by grant recipients) but also include some short-term outcomes (results achieved relatively soon after project outputs occur that lead toward attainment of ultimate project objectives).

**Expenditures:** Accurate records should be kept on project expenditures for all EECBG ARRA funded efforts. The specific information to be gathered and tracked is listed below. It will be the same for all project types:

- Expenditures for project activities
- Expenditures for administration
- Expenditures for evaluation
- Leveraged funds

**Metrics Activity:** The key metrics to be reported will vary by project type. The minimum information to be reported, by project activity type, is reported below.

#### Building Codes and Standards

- Name of new code adopted
- Name of old code replaced
- Number of new and existing buildings covered by new code

#### Building Retrofits

- Number of buildings retrofitted, by sector
- Square footage of buildings retrofitted, by sector

#### Clean Energy Policy

- Number of alternative energy plans developed or improved
- Number of renewable portfolio standards established or improved
- Number of interconnection standards established or improved

#### Building Energy Audits

- Number of audits performed, by sector
- Floor space audited, by sector
- Auditor's projection of energy savings, by sector

#### Energy Efficiency Rating and Labeling

- Types of energy-consuming devices for which energy-efficiency rating and labeling systems were endorsed by the grantee

#### Government, School, Institutional Procurement

- Number of units purchased, by type (e.g., vehicles, office equipment, HVAC equipment, streetlights, exit signs)

#### Industrial Retrofit Support

- Number of buildings retrofitted, by Industry Type
- Square footage of buildings retrofitted, by Industry Sector

#### Loans, Grants, and Incentives

- Number and monetary value of loans given
- Number and monetary value of grants given
- Number and monetary value of incentives provided

#### Incremental Cost for Efficiency and Design Elements in New Buildings

- Number and square footage of new buildings designed, by sector
- Number and square footage of new buildings constructed, by sector

#### Renewable Energy Market Development

- Number and size of solar energy systems installed
- Number and size of wind energy systems installed
- Number and size of other renewable energy systems installed

#### Financial Incentives for Energy Efficiency

- Monetary value of financial incentive provided, by sector
- Total value of investments incentivized, by sector
- Estimated impact of incentives on total investment made

#### Technical Assistance

- Number of information transactions contacts (for example, webinar, site visit, media, fact sheet) in which energy efficiency or renewable energy measure were recommended, by sector

#### Transportation

- Number of alternative fuel vehicles purchased
- Number of conventional vehicles converted to alternative fuel use
- Number of new alternative refueling stations emplaced
- Number of new carpools and vanpools formed
- Number of energy-efficient traffic signals installed
- Number of street lane-miles for which synchronized traffic signals were installed

#### Workshops, Training, and Education

- Number and type of workshops, training, and education sessions held
- Number of people attending workshops, training, and education sessions

Other Activities Not Previously Defined

- Pertinent metric information for any activity not defined above should be captured and included as needed

**Short-term Outcomes (DOE will provide supplemental guidance on how to calculate these outcomes to ensure consistent approaches that results can be aggregated at a regional, State and national level):**

Energy Savings (kwh equivalents)

- Annual reduction in natural gas consumption (mmcf) by sector and end-use category
- Annual reduction in electricity consumption (MWh) by sector and end-use category
- Annual reduction in electricity demand (MW) by sector and end-use category
- Annual reduction in fuel oil consumption (gallons) by sector and end-use category
- Annual reduction in propane consumption (gallons) by sector and end-use category
- Annual reduction in gasoline and diesel fuel consumption (gallons) by sector and end-use category

Job Creation/Retention

- Number
- Type
- Duration

Renewable Energy Capacity and Generation

- Amount of wind-powered electric generating capacity installed (MW)
- Amount of electricity generated from wind systems (MWh)
- Amount of photovoltaic generating capacity installed (MW)
- Amount of electricity generated from photovoltaic systems (MWh)
- Amount of electric generating capacity from other renewable sources installed (MW)
- Amount of electricity generated from other renewable sources (MWh)

Emissions Reductions (tons) (CO2 equivalents)

- Methane
- Carbon
- Sulfur dioxide
- Nitrogen oxide
- Carbon monoxide

Protected Personally Identifiable Information (PII)

Reports must not contain any *Protected* PII. PII is any information about an individual which can be used to distinguish or trace an individual's identity. Some information that is considered to be PII is available in public sources such as telephone books, public websites, university listings, etc. This type of information is considered to be Public PII and includes, for example, first and last name, address, work telephone number, e-mail address, home telephone number, and general educational credentials. In contrast, *Protected* PII is defined as an individual's first name or first initial and last name in combination with any one or more of types of information, including, but not limited to, social security number, passport number, credit card numbers, clearances, bank numbers, biometrics, date and place of birth, mother's maiden name, criminal, medical and financial records, educational transcripts, etc.

**Budget Information - Non Construction Programs**

Section A - Budget Summary		Estimated Unobligated Funds			New or Revised Budget		
Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)	
Development of Energy Efficiency & Conservation Strategy--Consultant Services	81.128			\$50,000	\$0	\$50,000	
Indio Hills Community Center--Solar Installation	81.128			\$52,856	\$0	\$52,856	
Amber LED Traffic Signal Indication Retrofit	81.128			\$125,830	\$0	\$125,830	
Internally Illuminated Street Name Sign LED Retrofit	81.128			\$481,280	\$0	\$481,280	
County Farm Central Plant Chiller Upgrades/ VFDs/ Controls	81.128			\$1,158,445	\$0	\$1,158,445	

Section B - Budget Categories		Grant Program, Function or Activity				
Object Class Categories	1) Development of Energy Efficiency & Conservation Strategy--Consultant Services	2) Indio Hills Community Center--Solar Installation	3) Amber LED Traffic Signal Indication Retrofit	4) Internally Illuminated Street Name Sign LED Retrofit	5) County Farm Central Plant Chiller Upgrades/ VFDs/ Controls	
a. Personnel	\$6,063	\$4,507	\$0	\$0	\$77,365	
b. Fringe Benefits	\$2,546	\$1,893	\$0	\$0	\$32,494	
c. Travel	\$0	\$0	\$0	\$0	\$0	
d. Equipment	\$0	\$0	\$0	\$0	\$0	
e. Supplies	\$0	\$0	\$0	\$0	\$0	
f. Contractual	\$41,391	\$46,456	\$125,830	\$481,280	\$1,048,586	
g. Construction	\$0	\$0	\$0	\$0	\$0	
h. Other	\$0	\$0	\$0	\$0	\$0	
i. Total Direct Charges (sum of 6a-6h)	\$50,000	\$52,856	\$125,830	\$481,280	\$1,158,445	
j. Indirect Charges	\$0	\$0	\$0	\$0	\$0	
k. Totals (sum of 6i-6j)	\$50,000	\$52,856	\$125,830	\$481,280	\$1,158,445	
Program Income	\$0	\$0	\$0	\$0	\$0	

**Budget Information - Non Construction Programs**

Section A - Budget Summary		Estimated Unobligated Funds		New or Revised Budget		
Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
District Attorney Building Window Glazing 6	81.128			\$70,266	\$0	\$70,266
Riverside County Administration Center (CAC) Parking Structure Solar & LED Retrofit 7	81.128			\$750,577	\$0	\$750,577
Eddie Dee Smith Senior Center HVAC Upgrade 8	81.128			\$115,500	\$0	\$115,500
Rubidoux Fleet Services Building-- Solar System Installation 9	81.128			\$1,435,608	\$0	\$1,435,608
Temecula County Administration Center-- Building Controls/ VFD's 10	81.128			\$235,290	\$0	\$235,290

**Section B - Budget Categories**

Object Class Categories	Grant Program, Function or Activity					
	6) District Attorney Building Window Glazing	7) Riverside County Administration Center (CAC) Parking Structure Solar & LED Retrofit	8) Eddie Dee Smith Senior Center HVAC Upgrade	9) Rubidoux Fleet Services Building-- Solar System Installation	10) Temecula County Administration Center--Building Controls/ VFD's	
a. Personnel	\$4,782	\$69,533	\$7,394	\$91,549	\$15,861	
b. Fringe Benefits	\$2,008	\$29,204	\$3,106	\$38,451	\$6,662	
c. Travel	\$0	\$0	\$0	\$0	\$0	
d. Equipment	\$0	\$0	\$0	\$0	\$0	
e. Supplies	\$0	\$0	\$0	\$0	\$0	
f. Contractual	\$63,476	\$651,840	\$105,000	\$1,305,608	\$212,767	
g. Construction	\$0	\$0	\$0	\$0	\$0	
h. Other	\$0	\$0	\$0	\$0	\$0	
i. Total Direct Charges (sum of 6a-6h)	\$70,266	\$750,577	\$115,500	\$1,435,608	\$235,290	
j. Indirect Charges	\$0	\$0	\$0	\$0	\$0	
k. Totals (sum of 6i-6j)	\$70,266	\$750,577	\$115,500	\$1,435,608	\$235,290	
Program Income	\$0	\$0	\$0	\$0	\$0	\$0



**Budget Information - Non Construction Programs**

Section A - Budget Summary		Estimated Unobligated Funds			New or Revised Budget		
Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)	
11 Fire Station #23--Insulated Bay Doors	81.128			\$15,400	\$0	\$15,400	
12 Southwest Justice Detention Center Lighting Retrofit	81.128			\$233,304	\$0	\$233,304	
13 Indio Juvenile Hall Chiller Upgrade	81.128			\$157,500	\$0	\$157,500	
14 County Fairgrounds--Fullenwider Auditorium HVAC Upgrade	81.128			\$140,317	\$0	\$140,317	
15 Ben Clark Training Center Chiller Upgrade	81.128			\$141,206	\$0	\$141,206	

Section B - Budget Categories		Grant Program, Function or Activity					
Object Class Categories	11) Fire Station #23--Insulated Bay Doors	12) Southwest Justice Detention Center Lighting Retrofit	13) Indio Juvenile Hall Chiller Upgrade	14) County Fairgrounds--Fullenwider Auditorium HVAC Upgrade	15) Ben Clark Training Center Chiller Upgrade		
a. Personnel	\$986	\$17,324	\$10,211	\$8,983	\$9,225		
b. Fringe Benefits	\$414	\$7,276	\$4,289	\$3,773	\$3,875		
c. Travel	\$0	\$0	\$0	\$0	\$0		
d. Equipment	\$0	\$0	\$0	\$0	\$0		
e. Supplies	\$0	\$0	\$0	\$0	\$0		
f. Contractual	\$14,000	\$208,704	\$143,000	\$127,561	\$128,106		
g. Construction	\$0	\$0	\$0	\$0	\$0		
h. Other	\$0	\$0	\$0	\$0	\$0		
i. Total Direct Charges (sum of 6a-6h)	\$15,400	\$233,304	\$157,500	\$140,317	\$141,206		
j. Indirect Charges	\$0	\$0	\$0	\$0	\$0		
k. Totals (sum of 6i-6j)	\$15,400	\$233,304	\$157,500	\$140,317	\$141,206		
Program Income	\$0	\$0	\$0	\$0	\$0		

**Budget Information - Non Construction Programs**

Section A - Budget Summary		Estimated Unobligated Funds			New or Revised Budget		
Grant Program Function or Activity	Catalog of Federal Domestic Assistance Number	Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)	
16 Edward Dean Museum Admin Building HVAC Upgrade	81.128			\$12,650	\$0	\$12,650	
17 Twin Pines Ranch Lighting Retrofit	81.128			\$39,371	\$0	\$39,371	
18 Roy's Desert Resource Center Rooftop Wind Turbines	81.128			\$129,200	\$0	\$129,200	
19 Climate Action Plan for the March JPA Planning Area	81.128			\$15,000	\$0	\$15,000	
20 County of Rideside/ Riverside Public Utilities Joint "GreenQuest" Website Sponsorship	81.128			\$32,000	\$0	\$32,000	

Section B - Budget Categories		Grant Program, Function or Activity					
Object Class Categories	16) Edward Dean Museum Admin Building HVAC Upgrade	17) Twin Pines Ranch Lighting Retrofit	18) Roy's Desert Resource Center Rooftop Wind Turbines	19) Climate Action Plan for the March JPA Planning Area	20) County of Rideside/ Riverside Public Utilities Joint "GreenQuest" Website Sponsorship	Program Income	
a. Personnel	\$810	\$3,099	\$9,859	\$0	\$0	\$0	
b. Fringe Benefits	\$340	\$1,301	\$4,141	\$0	\$0	\$0	
c. Travel	\$0	\$0	\$0	\$0	\$0	\$0	
d. Equipment	\$0	\$0	\$0	\$0	\$0	\$0	
e. Supplies	\$0	\$0	\$0	\$0	\$0	\$0	
f. Contractual	\$11,500	\$34,971	\$115,200	\$15,000	\$27,000	\$0	
g. Construction	\$0	\$0	\$0	\$0	\$0	\$0	
h. Other	\$0	\$0	\$0	\$0	\$5,000	\$0	
i. Total Direct Charges (sum of 6a-6h)	\$12,650	\$39,371	\$129,200	\$15,000	\$32,000	\$0	
j. Indirect Charges	\$0	\$0	\$0	\$0	\$0	\$0	
k. Totals (sum of 6i-6j)	\$12,650	\$39,371	\$129,200	\$15,000	\$32,000	\$0	
Program Income	\$0	\$0	\$0	\$0	\$0	\$0	

**Budget Information - Non Construction Programs**

OMB Approval No. 0348-0044

<b>Section A - Budget Summary</b>		Estimated Unobligated Funds			New or Revised Budget	
Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
21 GHG Inventory	81.128			\$450,000	\$0	\$450,000
22 Climate Action Plan	81.128			\$750,000	\$0	\$750,000
<b>Totals (Activities 1-22)</b>				\$6,591,600	\$0	\$6,591,600
<b>Section B - Budget Categories</b>						
Object Class Categories	Grant Program, Function or Activity		Total (Activities 1 - 22)			
	21) GHG Inventory	22) Climate Action Plan	Federal	Non-Federal	Federal	Non-Federal
a. Personnel	\$0	\$528,169				\$865,721
b. Fringe Benefits	\$0	\$221,831				\$363,603
c. Travel	\$0	\$0				\$0
d. Equipment	\$0	\$0				\$0
e. Supplies	\$0	\$0				\$0
f. Contractual	\$450,000	\$0				\$5,357,276
g. Construction	\$0	\$0				\$0
h. Other	\$0	\$0				\$5,000
i. Total Direct Charges (sum of 6a-6h)	\$450,000	\$750,000				\$6,591,600
j. Indirect Charges	\$0	\$0				\$0
k. Totals (sum of 6i-6j)	\$450,000	\$750,000				\$6,591,600
Program Income	\$0	\$0				\$0