

**CONTRACT REQUESTS FORM (CRF)**

CEC-94 (07/10)

CALIFORNIA ENERGY COMMISSION



New Contract       Amendment to Existing Contract: 500-05-027      Amendment Number: 3

Division	Contract Manager:	MS-	Phone	CM Training Date
Energy Research and Development	Steve Ghadiri	43	916-327-1623	6/26/2008

Contractor's Legal Name	Federal ID Number
DOE- National Renewable Energy Laboratory	44-0545878

Title of Project
Advanced Power Electronic Interface (APEI) Initiative

Term	Start Date	End Date	Amount
New/Original Contract	6/30/2006	3/31/2009	\$ 2,500,000

Line up the Amendment information as best as possible within the following table.

Amendment #	End Date (mm/dd/yy)	Amount
Amendment 1	3/31/2010	\$651,296
Amendment 2	6/15/2011	\$3,000,000
Amendment 3	6/15/2012	\$0

Business Meeting Information			
Proposed Business Meeting Date	3/23/2011	<input checked="" type="checkbox"/> Consent	<input type="checkbox"/> Discussion
Business Meeting Presenter	Steve Ghadiri	Time Needed:	5 minutes

Agenda Item Subject and Description
Possible approval of Amendment 3 to Contract 500-05-027 for a 12 month no-cost time extension with the National Renewable Energy Laboratory. This project will develop 3 turnkey reference designs for photovoltaic inverters that will expedite the use of distributed renewables and will lower the cost of deploying photovoltaics in California. Contact: Steve Ghadiri. (5 minutes)

**Business Meeting approval is not required for the following types of contracts:** *Executive Director's signature is required in all cases.*

- Contracts less than \$10k (*Policy Committee's signature is also required*)
- Amendment for a no-cost time extension. Must be first extension, less than one year and original contract less than \$100k.
- Contracts less than \$25k for Expert Witness in Energy Facility licensing cases and amendments.

Purpose of Contract or Purpose of Amendment, if applicable
The purpose of this amendment is to provide more time to complete the project. The contractor has had health issues with the three investigators. This has delayed completion of the documentation of the designs for the inverters. APEI initiative is a coordinated plan to develop three modular turnkey reference designs for inverters that will come as close as possible to "plug-and-play" interoperability on the Smart Grid. This research is developing three turnkey reference designs for inverters; a 5 kW residential class, a 25 kW office or light commercial class, and a 100 kW for commercial/ industrial use. All reference designs will include a reference-design schematic, bill of materials, software, and the Gerber files for fabricating it.

California Environmental Quality Act (CEQA) Compliance
1. Is Contract considered a "Project" under CEQA? <input type="checkbox"/> Yes: skip to question 2 <input checked="" type="checkbox"/> No: complete the following (PRC 21065 and 14 CCR 15378): Explain why contract is not considered a "Project": Contract will not cause direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because involves creating three turnkey reference designs for PV inverters. .
2. If contract is considered a "Project" under CEQA: <input type="checkbox"/> a) Contract <b>IS</b> exempt. (Draft NOE required) <input type="checkbox"/> Statutory Exemption. List PRC and/or CCR section number: _____ <input type="checkbox"/> Categorical Exemption. List CCR section number: _____ <input type="checkbox"/> Common Sense Exemption. 14 CCR 15061 (b) (3) Explain reason why contract is exempt under the above section:  <input type="checkbox"/> b) Contract <b>IS NOT</b> exempt. The Contract Manager needs to consult with the Energy Commission attorney assigned to their division and the Siting Office regarding a possible Initial Study.



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Payment Method			
<input checked="" type="checkbox"/> A. Reimbursement in arrears based on:			
<input type="checkbox"/> Itemized Monthly	<input checked="" type="checkbox"/> Itemized Quarterly	<input type="checkbox"/> Flat Rate	<input type="checkbox"/> One-time
<input type="checkbox"/> B. Advanced Payment			
<input type="checkbox"/> C. Other, explain:			

Retention	
1. Is contract subject to retention?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
If Yes, Do you plan to release retention prior to contract termination?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes

Justification of Rates
The contract price is reasonable, particularly considering the facility provided by the contract terms. The research will be conducted by a national laboratory; salaries and wages are in accordance with costing practice for all Department of Energy programs.

Disabled Veteran Business Enterprise Program (DVBE)	
1. <input checked="" type="checkbox"/> Not Applicable	
2. <input type="checkbox"/> Meets DVBE Requirements	DVBE Amount:\$ _____ DVBE %: _____
<input type="checkbox"/> Contractor is Certified DVBE	
<input type="checkbox"/> Contractor is Subcontracting with a DVBE:	_____
3. <input type="checkbox"/> Requesting DVBE Exemption (attach CEC 95)	

Is Contractor a certified Small Business (SB), Micro Business (MB) or DVBE?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
If yes, check appropriate box:	<input type="checkbox"/> SB <input type="checkbox"/> MB <input type="checkbox"/> DVBE

Is Contractor subcontracting any services?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
If yes, give company name and identify if they are a Small Business (SB), Micro Business (MB) and/or DVBE:	
US Hybrid Corporation	<input checked="" type="checkbox"/> No <input type="checkbox"/> SB <input type="checkbox"/> MB <input type="checkbox"/> DVBE
	<input type="checkbox"/> No <input type="checkbox"/> SB <input type="checkbox"/> MB <input type="checkbox"/> DVBE
	<input type="checkbox"/> No <input type="checkbox"/> SB <input type="checkbox"/> MB <input type="checkbox"/> DVBE
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	<input type="checkbox"/> No <input type="checkbox"/> SB <input type="checkbox"/> MB <input type="checkbox"/> DVBE

Miscellaneous Contract Information	
1. Will there be Work Authorizations?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
2. Will there be IT expenditures?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
3. Is the Contractor providing confidential information?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
4. Is the contractor going to purchase equipment?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
5. Check frequency of progress reports	<input type="checkbox"/> Monthly <input checked="" type="checkbox"/> Quarterly <input type="checkbox"/> _____
6. Will a final report be required?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
7. Is the contract, with amendments, longer than a year? If yes, why?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
The Department of General Services has agreed to give the Commission blanket authority to execute multi-year contracts to support the Commission's RD&D Programs.	

# CONTRACT REQUESTS FORM (CRF)



The following items should be attached to this CRF		
1. Scope of Work, Attach as Exhibit A.	<input type="checkbox"/> N/A	<input type="checkbox"/> Attached
2. Budget Detail, Attach as Exhibit B.	<input type="checkbox"/> N/A	<input type="checkbox"/> Attached
3. CEC 96, NCB Request	<input type="checkbox"/> N/A	<input type="checkbox"/> Attached
4. CEC 30, Survey of Prior Work	<input type="checkbox"/> N/A	<input type="checkbox"/> Attached
5. CEC 95, DVBE Exemption Request	<input type="checkbox"/> N/A	<input type="checkbox"/> Attached
6. Draft CEQA Notice of Exemption (NOE)	<input type="checkbox"/> N/A	<input type="checkbox"/> Attached
7. Resumes	<input type="checkbox"/> N/A	<input type="checkbox"/> Attached

\_\_\_\_\_ Date \_\_\_\_\_ Office Manager \_\_\_\_\_ Date \_\_\_\_\_ Deputy Director \_\_\_\_\_ Date

The following signatures are only required when contract approval is delegated to the Executive Office and not approved at a Business Meeting. See Business Meeting Information Section.

\_\_\_\_\_ Date \_\_\_\_\_ Associate Policy Committee \_\_\_\_\_ Date \_\_\_\_\_ Executive Director \_\_\_\_\_ Date