

**CONTRACT REQUESTS FORM (CRF)**

CEC-94 (07/10)

CALIFORNIA ENERGY COMMISSION


 New Contract       Amendment to Existing Contract: \_\_\_\_\_ Amendment Number: \_\_\_\_\_

Division	Contract Manager:	MS-	Phone	CM Training Date
Energy Research and Development	Reynaldo Gonzalez	43	327-1334	11/4/2007

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

Title of Project
Natural Gas Engine and Vehicle Integration Research

Term	Start Date	End Date	Amount
New/Original Contract	6/30/2011	6/30/2014	\$4,250,000.00

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

Amendment #	End Date (mm/dd/yy)	Amount

#### Business Meeting Information

Proposed Business Meeting Date	6/1/2011	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	Reynaldo Gonzalez	Time Needed:	5 minutes

#### Agenda Item Subject and Description

Possible approval of Contract 500-10-053 in the amount of \$4,250,000.00 with the U.S. Department of Energy's National Renewable Energy Laboratory to develop natural gas-fueled engines that meet or exceed 2010 emissions requirements, integrate the engines into a chassis, and demonstrate the integrated engines and chassis. (PIER natural gas funding.) Contact: Rey Gonzalez. (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 contract is to increase the use of natural gas as a transportation fuel by developing new and advanced natural gas engines, with medium- to heavy-duty vehicle integration and on-road demonstration, targeting commercialization within 5 years. The scope of work will include the following:

- Develop a new natural gas fueled engine for medium- or heavy-duty vehicles that meets or exceeds 2010 emissions requirements.
- Develop a natural gas fueled engine that has no greater than 20% fuel economy penalty compared to a comparable conventionally-fueled diesel engine.
- Integrate the natural gas engines into a suitable chassis for a complete natural gas vehicle package.
- Demonstrate the integrated engines and chassis in a real-world operation for 6-12 months.

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**California Environmental Quality Act (CEQA) Compliance**

1. Is Contract considered a "Project" under CEQA?  
 Yes: skip to question 2       No: complete the following (PRC 21065 and 14 CCR 15378):  
 Explain why contract is not considered a "Project":

2. If contract is considered a "Project" under CEQA:

a) Contract **IS** exempt. (Draft NOE required)

Statutory Exemption. List PRC and/or CCR section number: \_\_\_\_\_

Categorical Exemption. List CCR section number: \_\_\_\_\_

Common Sense Exemption. 14 CCR 15061 (b) (3)

Explain reason why contract is exempt under the above section:

The project involves engine fabrication, testing, and demonstration activities that do not have the potential to cause a significant environmental impact.

b) Contract **IS NOT** 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.

**Budgets Information**

Contract Amount Funded		Breakdown by FY			Funding Sources			
Funding Source	Amount	FY	Amount	Approved?	Funding Source	FY	Budget List No.	Amount
ARFVTF	\$	10-11	\$4,250,000	Yes	NG	09-10	501.001	\$3,617,169
ECAA	\$		\$			10-11	501.001	\$632,831
State- ERPA	\$		\$					\$
Federal	\$		\$					\$
PIER - E	\$		\$					\$
PIER - NG	\$4,250,000		\$					\$
Reimbursement	\$		\$					\$
Other	\$		\$					\$
<b>TOTAL:</b>	<b>\$4,250,000</b>	<b>TOTAL:</b>	<b>\$4,250,000</b>				<b>TOTAL:</b>	<b>\$4,250,000</b>
Reimbursement Contract #:					Federal Agreement			

**Contractor's Administrator/ Officer**

Name: Margo Melendez  
 Address: 1617 Cole Blvd.  
 City, State, Zip: Lakewood, CO 80401-3305  
 Phone/ Fax: 303-275-4479 /  
 E-Mail: margo\_melendez@nrel.gov

**Contractor's Project Manager**

Name: Margo Melendez  
 Address: 1617 Cole Blvd.  
 City, State, Zip: Lakewood, CO 80401-3305  
 Phone/ Fax: 303-275-4479 /  
 E-Mail: margo\_melendez@nrel.gov

**Contractor Is**

- Private Company (including non-profits)  
 CA State Agency (including UC and CSU)  
 Government Entity (i.e. city, county, federal government, air/water/school district, joint power authorities, university from another state)

**Selection Process Used**

- Solicitation      Select Solicitation Type \_\_\_\_\_ Solicitation #: \_\_\_\_\_  
 Non Competitive Bid (Attach CEC 96)  
 Exempt      Other Government Entity

**Civil Service Considerations**

- Not Applicable (Contract is with a CA State Entity or a membership/co-sponsorship)  
 Public Resources Code 25620, et seq., authorizes the Commission to contract for the subject work. (PIER)

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- The Services Contracted:
- are not available within civil service
  - cannot be performed satisfactorily by civil service employees
  - are of such a highly specialized or technical nature that the expert knowledge, expertise, and ability are not available through the civil service system
- The Services are of such an:
- urgent
  - temporary, or
  - occasional nature
- that the delay to implement under civil service would frustrate their very purpose.

**Justification:**

Public Resources Code 25620, et seq., authorizes the Commission to contract for the subject work. (PIER)

**Payment Method**

- A. Reimbursement in arrears based on:
- Itemized Monthly
  - Itemized Quarterly
  - Flat Rate
  - One-time
- B. Advanced Payment
- C. Other, explain: First 2 quarters will be provided as advanced payment.

**Retention**

1. Is contract subject to retention?  No  Yes
- If Yes, Do you plan to release retention prior to contract termination?  No  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.  Not Applicable
2.  Meets DVBE Requirements DVBE Amount:\$ \_\_\_\_\_ DVBE %: \_\_\_\_\_
- Contractor is Certified DVBE
  - Contractor is Subcontracting with a DVBE: \_\_\_\_\_
3.  Requesting DVBE Exemption (attach CEC 95)

**Is Contractor a certified Small Business (SB), Micro Business (MB) or DVBE?**

- No  Yes
- If yes, check appropriate box:  SB  MB  DVBE

**Is Contractor subcontracting any services?**

- No  Yes
- If yes, give company name and identify if they are a Small Business (SB), Micro Business (MB) and/or DVBE:
- |                              |  |                             |                             |                               |
|------------------------------|--|-----------------------------|-----------------------------|-------------------------------|
| Cummins Westport, Inc.       | <input checked="" type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |
| Southwest Research Institute | <input checked="" type="checkbox"/> No | <input type="checkbox"/> SB | <input type="checkbox"/> MB | <input type="checkbox"/> DVBE |

**Miscellaneous Contract Information**

1. Will there be Work Authorizations?  No  Yes
2. Will there be IT expenditures?  No  Yes
3. Is the Contractor providing confidential information?  No  Yes
4. Is the contractor going to purchase equipment?  No  Yes
5. Check frequency of progress reports
- Monthly  Quarterly  \_\_\_\_\_
6. Will a final report be required?  No  Yes
7. Is the contract, with amendments, longer than a year? If yes, why?  No  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.

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

\_\_\_\_\_  
 Contract Manager                      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.

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