

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	Matt Coldwell	43	916-327-1473	5/26/2006

Contractor's Legal Name	Federal ID Number
The Regents of the University of California	94-3067788

Title of Project
Natural Gas Pipeline Research - Innovative Monitoring Technologies

Term	Start Date	End Date	Amount
New/Original Contract	6/30/2011	1/1/2013	\$ 478,457

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	5/18/2011	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	Matt Coldwell	Time Needed:	5 minutes

Agenda Item Subject and Description

Possible approval of Contract 500-10-044 with the Regents of the University of California in the amount of \$478,457.00 to explore innovative technologies and approaches to inspect and monitor natural gas pipelines. (PIER natural gas funding.) Contact: Matt Coldwell. (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 Energy Commission proposes supporting a project that will explore innovative technologies and approaches to inspect, monitor, and report on the status of natural gas pipelines. Project activities will include the design, prototyping, and pilot-testing of a family of next generation Micro-Electro-Mechanical System (MEMS) platforms that have the potential to significantly improve the safety and security of natural gas pipelines. Three prototypes will be developed: 1) a prototype MEMS that will monitor the pressure in a standard natural gas pipeline and, through wireless communications inside the pipe, guard against over pressuring, 2) a prototype MEMS that will be a laser-based system for inspecting seam welds, and 3) a prototyped MEMS that will be a communicating micro-sensor for corrosion. These MEMS will be able to operate inside regular pipelines during normal operations to monitor pipeline safety and integrity. Additionally, a database and 3D-Geographic Information System will be developed to support condition-based monitoring and decision-making for the oversight of natural gas lines. The product of this project will be a final report that includes the design platforms for these new sensors and communication technologies that can significantly improve the safety and security of gas-lines.

CONTRACT REQUESTS FORM (CRF)



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:
Not Applicable-UC

Payment Method

A. Reimbursement in arrears based on:

Itemized Monthly Itemized Quarterly Flat Rate One-time

B. Advanced Payment

C. Other, explain:

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 rates charged in this contract by the University of California are U.C. published rates and the overhead rates are the negotiated rates with the Energy Commission.

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:

	<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
	<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
	<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
	<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
	<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



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.

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 checked="" 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 checked="" type="checkbox"/> N/A	<input type="checkbox"/> Attached	
4. CEC 30, Survey of Prior Work	<input checked="" type="checkbox"/> N/A	<input 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 checked="" type="checkbox"/> N/A	<input type="checkbox"/> Attached	
7. Resumes	<input type="checkbox"/> N/A	<input checked="" 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