

**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	Cheryl Closson	43	916-327-2312	7/26/2010

Contractor's Legal Name	Federal ID Number
Stone & Webster, Inc.	72-1478572

Title of Project
Carbon Capture and Storage for Natural Gas Combined Cycle Plants

Term	Start Date	End Date	Amount
New/Original Contract	6/6/2011	3/30/2012	\$ \$1,053,200.00

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	4/20/2011	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	Cheryl Closson	Time Needed:	5 minutes

#### Agenda Item Subject and Description

Possible approval of Contract 500-10-037 for \$1,053,200.00 with Stone & Webster, Inc. to evaluate the technical design considerations and ability to capture carbon dioxide from natural gas combined cycle power plants; and estimate the costs and performance impacts associated with capture and storage of the plant's carbon dioxide emissions. (PIER-Federal) Contact: Cheryl Closson (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 the contract is to evaluate both the technical design considerations and ability to capture carbon dioxide (CO<sub>2</sub>) from natural gas combine cycle (NGCC) power plants, and also estimate the costs and performance impacts associated with capture and storage of a plant's CO<sub>2</sub> emissions. Contract work will include development of the following reports and plans:

1. A basic evaluation of CO<sub>2</sub> capture technology options for use at NGCC power plants;
2. An engineering and economic assessment report on the installation and operation of selected CO<sub>2</sub> capture technologies, in retrofit and new-build applications, at California utility-scale NGCC power plants; and
3. A preliminary design for a pilot-scale CO<sub>2</sub> capture, compression/dehydration, transport, and injection well test facility.

California utilities, power generation planners, and energy policymakers will be able to use the information generated by the contract to inform and support their decisions and investments related to CO<sub>2</sub> and greenhouse gas reductions.

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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":  
 Contract will not cause direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because .

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: 14 CCR 15306  
 Common Sense Exemption. 14 CCR 15061 (b) (3)  
 Explain reason why contract is exempt under the above section:  
 Class 6 - Basic data collection, research, experimental management, and resource evaluation activities that do not result in major disturbances to an environmental resource.  
 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	\$1,053,200	Yes	FED	09-10	901.004	\$1,053,200
ECAA	\$		\$					\$
State- ERPA	\$		\$					\$
Federal	\$1,053,200		\$					\$
PIER - E	\$		\$					\$
PIER - NG	\$		\$					\$
Reimbursement	\$		\$					\$
Other	\$		\$					\$
<b>TOTAL:</b>	<b>\$1,053,200</b>	<b>TOTAL:</b>	<b>\$1,053,200</b>				<b>TOTAL:</b>	<b>\$1,053,200</b>
Reimbursement Contract #:					Federal Agreement			

Contractor's Administrator/ Officer		Contractor's Project Manager	
Name:	Edward Holden	Name:	Edward Holden
Address:	9201 E Dry Creek Rd	Address:	9201 E Dry Creek Rd
City, State, Zip:	Centennial, CO 80112-2818	City, State, Zip:	Centennial, CO 80112-2818
Phone/ Fax:	303-741-7182 /	Phone/ Fax:	303-741-7182 /
E-Mail:	edward.holden@shawgrp.com	E-Mail:	edward.holden@shawgrp.com

**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      RFP      Solicitation #: 500-10-502  
 Non Competitive Bid (Attach CEC 96)  
 Exempt      Select Exemption

**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:**

This contract work represents highly specialized technical research that cannot be performed by Energy Commission staff within the existing United States Department of Energy WESTCARB Phase II funding deadlines.

**Payment Method**

- A. Reimbursement in arrears based on:
  - Itemized Monthly       Itemized Quarterly       Flat Rate       One-time
- B. Advanced Payment
- C. Other, explain: Reimbursement to be in arrears every 6-8 weeks, but can be as frequently as monthly.

**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**

Rates for the contract job classifications are consistent with similar project management and engineering classification rates used for other Energy Commission projects.

**Disabled Veteran Business Enterprise Program (DVBE)**

- 1.  Not Applicable
- 2.  Meets DVBE Requirements      DVBE Amount: \$ \$31,600      DVBE %: 3
  - Contractor is Certified DVBE
  - Contractor is Subcontracting with a DVBE: Clevenger Geoconsulting
- 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?**

	<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:		
Clevenger Geoconsulting	<input type="checkbox"/> No	<input checked="" 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?  | <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 type="checkbox"/> Quarterly <input checked="" type="checkbox"/> Progress Reports every 6-8 weeks, but can be as frequently as monthly. |  |   |
| 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 checked="" type="checkbox"/> No | <input type="checkbox"/> Yes            |

# 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 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 type="checkbox"/> N/A	<input checked="" type="checkbox"/> Attached	

\_\_\_\_\_ Date \_\_\_\_\_ Date \_\_\_\_\_ Date \_\_\_\_\_ Date

Contract Manager                      Office Manager                      Deputy Director

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 \_\_\_\_\_ Date \_\_\_\_\_ Date

Presiding Policy Committee                      Associate Policy Committee                      Executive Director