

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	Dan Gallagher	47	654-4517	9/29/2009

Contractor's Legal Name	Federal ID Number
The Regents of the University of California, Los Angeles	95-6006143

Title of Project
Methodology to Develop Energy Baselines for California's Regions

Term	Start Date	End Date	Amount
New/Original Contract	4/11/2011	10/31/2013	\$ \$1,000,000.00

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	2/23/2011	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	Dan Gallagher	Time Needed:	5 minutes

Agenda Item Subject and Description

Possible approval of this agreement for \$1,000,000.00 with UC Los Angeles to develop and pilot a methodology to create a comprehensive tool for evaluating and analyzing regional energy use and its environmental and socioeconomic impacts that results in establishing a regional energy baseline. (PIER Electricity) Contact: Dan Gallagher

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

Assembly Bill (AB) 32 and SB 375 state the importance of local and regional measures in meeting greenhouse gas (GHG) reduction goals and improving the sustainability of California's communities. SB 375 now requires the state's metropolitan planning organizations (MPO) to develop a Sustainable Communities Strategy (SCS) for their regions. A number of analytical tools and methods are currently being developed to support the objectives of SB 375 and other state energy and GHG policy goals. This project uses three specific emerging tools and methods for sustainable planning and development that go beyond GHGs to address the larger goals of sustainability. These include urban metabolism, Product Exchange and Consumption Allocation System (PECAS), and life-cycle assessment.

This project will develop and pilot a methodology that combines Urban Metabolism and LCA with the PECAS model to create a comprehensive tool for evaluating and analyzing regional energy use and its environmental and socio-economic impacts. This project will 1) develop standardized methods for regional sustainability assessment 2) develop a set of performance indicators for assessing the impacts of energy use in California regions 3) update PECAS to include energy data; 4) pilot the methodology in Los Angeles County to establish a regional baseline.

•Develop Standardized Methods for Regional Sustainability Assessment

This project will develop standardized methods for measuring and analyzing key regional energy flows (petroleum, natural gas, electricity) and resource flows (water, labor, building materials, etc) and their life-cycle impacts (embodied energy, emissions, solid waste, etc.). Researchers will identify and assess existing methods and datasets (water use records, demographic trends, etc.) that have already been developed to measure and analyze regional energy and resource flows; synthesize existing methods; identify methodological gaps; and develop new methods to address those gaps.

•Develop a Set of Performance Indicators



This project will develop a set of performance indicators that decision-makers can use to assess the impact of the regional energy use at different geographical scales (e.g. census tract, zip+4, municipal, regional). Researchers will develop methods for collecting socio-economic, demographic, and land use data which can be combined with regional energy baseline data to establish performance measures (e.g. energy intensity of different land uses, GHG emissions per gross municipal income, etc.). These performance indicators will enable decision-makers to better target reduction policies and mitigate impacts based on how, where, and why energy is being used.

•Integrate Energy Datasets into the PECAS model

This project will combine the newly created datasets with PECAS model energy and commodity flows to develop and analyze regional energy baselines in a manner that is far more comprehensive than what exists. The PECAS model will use current energy use data in its base calculations and forecast future energy use and commodity flows, with their embedded energy, in future year scenarios. This will yield more comprehensive data on greenhouse gas emissions and the energy impacts of various land use and other policy scenarios. This project will enable the statewide model to be consistent with Metropolitan Planning Organization (MPO)-specific models and will provide an updated resource for MPOs struggling with SB 375 implementation who do not have their own model.

•Pilot the Methodology in the Los Angeles Region

The researchers will partner with the Los Angeles Regional Climate Action and Sustainability Collaborative (LARC) to develop a regional energy baseline using the methodologies developed by this project. LARC is made up of representatives from all of the major public institutions in Los Angeles, including the City of Los Angeles, the County of Los Angeles, Santa Monica, the Metropolitan Transportation Authority, the South Bay Council of Governments, the Westside Council of Governments and the Southern California Association of Governments. This project will leverage American Recovery and Reinvestment Act funds, which are being contributed to the LARC for climate modeling and GHG emissions accounting. The baseline data will be used by LARC to develop a regional climate action and sustainability plan. The results of this pilot will inform similar projects throughout the state.

One of the goals of this project is to optimize the usability of the research products by municipal, regional and state institutions. Throughout this project stakeholders will provide input and review preliminary research findings to help ensure the successful transition from research to implementation. The scope of this project was presented and vetted with the Office of Planning and Research and its representatives to the Strategic Growth Council. A project advisory committee will be formed that includes representatives from municipal government, regional transportation authorities, councils of governments, private institutions (e.g. developers), non-profits (e.g. Global Green, Natural Resources Defense Council), and state agencies. Furthermore, researchers will coordinate and receive input from the PECAS Peer Consulting Team, which includes representatives from MPOs, CEC, CalTrans, and CARB. Letters of support for this project came from a variety of agencies and organizations including the San Francisco Municipal Transportation Agency, the Attorney General's Office, and the Los Angeles Regional Collaborative. (LARC)

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 contract involves methodologies to evaluate and develop a tool. .

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:

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.

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CALIFORNIA ENERGY COMMISSION



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	\$1,000,000	Yes	PIER-E	09-10	501.027	\$1,000,000
ECAA	\$		\$					\$
State- ERPA	\$		\$					\$
Federal	\$		\$					\$
PIER - E	\$1,000,000		\$					\$
PIER - NG	\$		\$					\$
Reimbursement	\$		\$					\$
Other	\$		\$					\$
TOTAL:	\$1,000,000	TOTAL:	\$1,000,000		TOTAL:			\$1,000,000
Reimbursement Contract #:					Federal Agreement			

Contractor's Administrator/ Officer		Contractor's Project Manager	
Name:	Martha Hansen	Name:	Stephanie Pincetl
Address:	11000 Kinross Ave Suite 102- Box 951406	Address:	La Kretz Hall, Suite 300 University of California, Los Angeles
City, State, Zip:	Los Angeles, CA 90095-1406	City, State, Zip:	Los Angeles, CA 90095-1496
Phone/ Fax:	(310) 794-0236 / (310) 943-1655	Phone/ Fax:	(310) 825-2434 /
E-Mail:	mhansen@research.ucla.edu	E-Mail:	spincetl@ioe.ucla.edu

Contractor Is	
<input type="checkbox"/>	Private Company (including non-profits)
<input checked="" type="checkbox"/>	CA State Agency (including UC and CSU)
<input type="checkbox"/>	Government Entity (i.e. city, county, federal government, air/water/school district, joint power authorities, university from another state)

Selection Process Used			
<input type="checkbox"/>	Solicitation	Select Solicitation Type	Solicitation #:
<input type="checkbox"/>	Non Competitive Bid (Attach CEC 96)		
<input checked="" type="checkbox"/>	Exempt	Interagency	

Civil Service Considerations	
<input checked="" type="checkbox"/>	Not Applicable (Contract is with a CA State Entity or a membership/co-sponsorship)
<input type="checkbox"/>	Public Resources Code 25620, et seq., authorizes the Commission to contract for the subject work. (PIER)
<input type="checkbox"/>	The Services Contracted:
<input type="checkbox"/>	are not available within civil service
<input type="checkbox"/>	cannot be performed satisfactorily by civil service employees
<input type="checkbox"/>	are of such a highly specialized or technical nature that the expert knowledge, expertise, and ability are not available through the civil service system
<input type="checkbox"/>	The Services are of such an:
<input type="checkbox"/>	urgent
<input type="checkbox"/>	temporary, or
<input type="checkbox"/>	occasional nature
	that the delay to implement under civil service would frustrate their very purpose.
Justification:	
N/A	

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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 type="checkbox"/> No	<input type="checkbox"/> 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. <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:			
UC Davis	<input checked="" type="checkbox"/> No	<input type="checkbox"/> SB	<input type="checkbox"/> MB <input type="checkbox"/> DVBE
HBA Specto Inc.	<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
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	<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 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.			

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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 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