

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
500 Energy Research and Development Division	Misa Milliron	47	916-651-9010	11/2/09

Contractor's Legal Name	Federal ID Number
U.S. Geological Survey	53-0196958

Title of Project
Potential Habitat Modeling, Landscape Genetics and Habitat Connectivity for the Mohave Ground Squirrel

Term	Start Date	End Date	Amount
New/Original Contract	1/17/11	1/17/13	\$ 223,755

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	12/1/10	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	Misa Milliron	Time Needed:	10 minutes

Agenda Item Subject and Description

Possible approval of Contract 500-10-027 for \$223,823 with the U.S. Geological Survey to provide new and enhanced habitat suitability models for predicting the potential distribution and habitat of the state Endangered Mohave ground squirrel.

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

This project will construct a potential habitat model for the Mohave Ground Squirrel (MGS) with a 20-50 kilometer buffer beyond the current geographic range map and use it to quantitatively evaluate habitat corridors between MGS population centers using genetic data in combination with a new potential habitat model. It will compile expanded and/or modify previously existing datasets of the environmental variables that represent biological or physical features, such as soils, terrain, vegetation, temperatures, and seasonal precipitation, that may be influential in defining MGS habitat. Previously collected MGS field data will be used to run models, and there will be field validation of new custom models that are developed. The databases used to develop the models and resulting maps of MGS distribution and potential habitat will be made publicly available for use by state and federal land management agencies, Non-governmental organizations, private industry, and academia.

In the landscape genetics component of the project, the completed potential habitat model for MGS will be used to generate a series of hypotheses and maps concerning the functional connectivity of suitable habitat across the distribution of MGS. Identifying key populations and corridors that allow connectivity among populations is a fundamental outcome of habitat modeling. Limiting impact on corridors in the Mojave Desert is important because these connections are the basis of minimizing population fragmentation and maximizing the long-term evolutionary potential of MGS.

In addition to modeling presumed contemporary connectivity, all analyses will be replicated on the habitat model projected on future climate conditions to provide future MGS distribution forecasts. The project will quantify the expected change in connectivity given future climate projections and assess how population and regional patterns of MGS genetic diversity may change given altered landscape connectivity. Conservation implications of current and climate change scenarios of predicted habitat suitability will be assessed, and current conservation corridors and energy development will be evaluated in relation to the species.

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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 contract involves data collection only.
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.

Budgets Information

Contract Amount Funded		Breakdown by FY			Funding Sources			
Funding Source	Amount	FY	Amount	Approved?	Funding Source	FY	Budget List No.	Amount
ARFVTF	\$		\$					\$
ECAA	\$		\$					\$
State- ERPA	\$		\$					\$
Federal	\$		\$					\$
PIER - E	\$223,755	2009	\$223,755	Yes	PIER-E	09/10	501.027H	\$223,755
PIER - NG	\$		\$					\$
Reimbursement	\$		\$					\$
Other	\$		\$					\$
TOTAL:	\$223,755	TOTAL:	\$223,755				TOTAL:	\$223,755
Reimbursement Contract #:					Federal Agreement			

Contractor's Administrator/ Officer		Contractor's Project Manager	
Name:	Cindy Lu	Name:	Todd Esque
Address:	USGS, 3020 State University Drive East, Suite 3006	Address:	USGS, Las Vegas Field Station 160 N. Stephanie St.
City, State, Zip:	Sacramento, CA 95819	City, State, Zip:	Henderson, NV 89074-8829
Phone/ Fax:	916-278-9480/ 916-278-9475	Phone/ Fax:	702-564-4506 / 702-564-4600
E-Mail:	Clu@usgs.gov	E-Mail:	todd_esque@usgs.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 _____ Solicitation #: _____
 Non Competitive Bid (Attach CEC 96)
 Exempt Other Governmental 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:

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 salaries are appropriate as set by the Federal government and the University of Nevada.

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:

University of Nevada, Reno No SB MB DVBE

Philip Leitner No SB MB DVBE

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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.		

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

 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