

**CALIFORNIAN
COOPERATIVE ECOSYSTEM STUDIES UNIT**

**AMENDMENT FOUR TO
COOPERATIVE and JOINT VENTURE AGREEMENT**

between

**U.S. DEPARTMENT OF THE INTERIOR
Bureau of Land Management
Bureau of Reclamation
U.S. Geological Survey
National Park Service
U.S. Fish and Wildlife Service**

**U.S. DEPARTMENT OF AGRICULTURE
U.S. Forest Service
Natural Resources Conservation Service**

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

**U.S. DEPARTMENT OF DEFENSE
Office of the Deputy Under Secretary of Defense
(Installations and Environment)**

**U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration**

and

**UNIVERSITY OF CALIFORNIA (HOST)
(UC-Berkeley, UC-Davis, UC-Irvine, UC-Los Angeles, UC-Merced,
UC-Riverside, UC-San Diego, UC-Santa Barbara, UC-Santa Cruz)
San Francisco State University
California State University, Fresno
California State University, Los Angeles
Cal Poly Corporation, California Polytechnic State University
CSU, Chico Research Foundation, California State University, Chico
Humboldt State University
California State University, Northridge
California State University, Stanislaus
California Department of Fish and Game
California State University, Channel Islands
The Institute for Bird Populations**

Adding:

**Bureau of Ocean Energy Management, Regulation and Enforcement
U.S. Army Corps of Engineers – Civil Works
San Diego State University
Institute for Wildlife Studies**

With the exception of the changes below, all terms and conditions of the Californian Cooperative Ecosystem Studies Unit (CESU) Cooperative and Joint Venture Agreement apply to this Amendment, and this Amendment is hereby made part of the Agreement.

ARTICLE I. BACKGROUND AND OBJECTIVES

- A.2. The Bureau of Ocean Energy Management, Regulation and Enforcement (formerly Minerals Management Service) is hereby included in the Californian CESU as a Federal Agency Partner.
- A.3. The U.S. Army Corps of Engineers–Civil Works is hereby included in the Californian CESU as a Federal Agency Partner under agreement # W912HZ-11-2-0004.
- M.3. The San Diego State University and the Institute for Wildlife Studies are hereby included in the Californian CESU as Partner Institutions.
- O. Department of the Interior (DOI) Secretarial Order No. 3071 established the Minerals Management Service in 1982 with responsibility for managing the Nation's oil, natural gas, and other mineral resources on the Federal Outer Continental Shelf (OCS) and the mineral revenues from OCS, Federal, and Indian lands as authorized by the OCS Lands Act (OCSLA) (43 USC 1331-1356). Pursuant to DOI Secretarial Order No. 3302 (18 June 2010), the Minerals Management Service was renamed the Bureau of Ocean Energy Management, Regulation and Enforcement (hereafter BOEMRE). The BOEMRE manages the mineral resources on 1.7 billion acres of the OCS to ensure that the U.S. government receives fair market value for acreage made available for leasing and manages any oil and gas activities to conserve resources, operate safely, and protect the coastal and marine environment. In addition to OCSLA, numerous laws, but particularly NEPA, provide the basis for environmental assessment and study of impacts associated with OCS related activities. OCSLA Section 1346 mandates the conduct of environmental and socioeconomic studies needed for the assessment and management of environmental impacts on the human, marine, and coastal environments which may be affected by oil and gas or other mineral development. It further states that the Secretary may by

agreement utilize, with or without reimbursement, the services, personnel, or facilities of any Federal, State, or local government agency. OCSLA Section 1345 authorizes the use of cooperative agreements with affected States to meet the requirements of OCSLA, including sharing of information, joint utilization of available expertise, formation of joint monitoring arrangements to carry out applicable Federal and State laws, regulations, and stipulations relevant to outer Continental Shelf operations both onshore and offshore. The Energy Policy Act of 2005 amended the OCS Lands Act to give authority to the Department of the Interior to coordinate the development of an alternative energy program on the OCS and also to coordinate the energy and non-energy related uses in areas of the OCS where traditional oil and natural gas development already occurs. BOEMRE may use, as appropriate, the aforementioned authorities for specific activities under this agreement and to enter into this cooperative agreement continuing the Californian CESU to assist in providing research, technical assistance and educational services.

- P. The U.S. Army Corp of Engineers–Civil Works (hereinafter called USACE-CW) provides assistance in the development and management in the nation’s water resources. The main missions of USACE-CW, i.e., the Corps, are 1) to facilitate commercial navigation, 2) to protect citizens and their property from flood and storm damages, and 3) to protect and restore environmental resources. The Corps carries out most of its work in partnership with Tribal, state and local governments and other non-federal entities. The Corps must rely upon using the best available science in the evaluation of water resources needs and in the development of recommendations for water resource management. The university and scientific advances will assist the Corps in reaching sound, scientifically based decisions. In accordance with 10 U.S.C. 2358, USACE-CW is authorized to enter into the cooperative agreement with the Californian CESU enabling the USACE-CW to receive direct scientific support from regional CESU members. USACE-CW is authorized to cooperate with other agencies in accordance with Title 33 U.S.C. 2323a and 10 U.S.C. 3036(d).

ARTICLE II. STATEMENT OF WORK

D.6.a. Also, in accordance with 22 CFR Part 518 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323a, 10 U.S.C. 3036(d), and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers-Civil Works).

ARTICLE III. TERM OF THE AGREEMENT

- A.1. The effective date of the Californian CESU Cooperative and Joint Venture Agreement is 01 July 2008.

- A.3. The effective date of this Amendment to the Californian CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature to this Amendment.

ARTICLE IV. KEY OFFICIALS

- A.11. The technical representative for the Bureau of Ocean Energy Management, Regulation and Enforcement is:

Jennifer Ewald
Physical Oceanographer
Bureau of Ocean Energy Management, Regulation and Enforcement
Environmental Division - Environmental Sciences Branch
Environmental Studies Program
381 Elden Street, Mail Stop 4041
Herndon, VA 20170
Phone: (703) 787-1608
Fax: (703) 787-1053
Jennifer.Ewald@boemre.gov

- A.12. The technical representative for the U.S. Army Corps of Engineers–Civil Works is:

Alfred F. Cofrancesco
Technical Director, Civil Works, Environmental Engineering & Science
Department of the Army
Engineering Research and Development Center
Corps of Engineers
Environmental Laboratory
Waterways Experiment Station
3909 Halls Ferry Road
Vicksburg, MS 39180-6199
Phone: (601) 634-3182
Fax: (601) 634-3664
Al.F.Cofrancesco@usace.army.mil

Administrative Representatives:

Amanda Irwin Campbell
Contract Specialist, ERDC Contracting Office
U.S. Army Corps of Engineers
Engineer Research and Development Center
3909 Halls Ferry Road
Vicksburg, MS 39180
Phone: (601) 634-3944
Fax: (601) 634-4885

Amanda.I.Campbell@usace.army.mil

Michael G. Lee
Grants Officer
ERDC Contracting Office (ECO)
3909 Halls Ferry Road
Vicksburg, MS 39180-6199
Phone: (601) 634-3903
Fax: (601) 634-4885
Michael.G.Lee@usace.army.mil

C.12. The technical representative for the San Diego State University is:

Rebecca Lewison
Assistant Professor
Biology Department
North Life Sciences Room 102
San Diego State University
5500 Campanile Drive
San Diego, CA 92182-4614
Phone: (619) 594-8287
Fax: (619) 594-5676
rlawison@sciences.sdsu.edu

C.13. The technical representative for the Institute for Wildlife Studies is:

David K. Garcelon
President
Institute for Wildlife Studies
P.O. Box 1104
Arcata, CA 95518
Phone: (707) 822-4258
Fax: (707) 822-6300
garcelon@iws.org

ARTICLE V. AWARD

A.2. Upon signature of all parties to this amendment, the Bureau of Ocean Energy Management, Regulation and Enforcement and U.S. Army Corps of Engineers – Civil Works will each commit \$10,000 in funds to the Host University in furtherance of the agreement, to be authorized by a modification issued against the agreement.

A.3. Also, in accordance with 22 CFR Part 518 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323a, 10 U.S.C. 3036(d), and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers-Civil Works).

ARTICLE VI. PRIOR APPROVAL

A.2. Also, in accordance with 22 CFR Part 518 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323a, 10 U.S.C. 3036(d), and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers-Civil Works).

ARTICLE VII. REPORTS AND DELIVERABLES

A.2. Also, in accordance with 22 CFR Part 518 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323a, 10 U.S.C. 3036(d), and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers-Civil Works).

ARTICLE VIII. PROPERTY UTILIZATION AND DISPOSITION

A.2. Also, in accordance with 22 CFR Part 518 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323a, 10 U.S.C. 3036(d), and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers-Civil Works).

ARTICLE IX. TERMINATION

A.2. Also, in accordance with 22 CFR Part 518 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323a, 10 U.S.C. 3036(d), and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers-Civil Works).

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES

The following authorizing signatures are attached to this Amendment:

U.S. DEPARTMENT OF THE INTERIOR

- A. Bureau of Land Management
- B. Bureau of Reclamation
- C. U.S. Fish and Wildlife Service
- D. U.S. Geological Survey
- E. National Park Service

F. Bureau of Ocean Energy Management, Regulation and Enforcement

U.S. DEPARTMENT OF AGRICULTURE

- G. U.S. Forest Service
- H. Natural Resources Conservation Service

I. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

U.S. DEPARTMENT OF DEFENSE

J. Office of the Deputy Under Secretary of Defense (Installations and Environment)

K. U.S. Army Corps of Engineers – Civil Works

U.S. DEPARTMENT OF COMMERCE

L. National Oceanic and Atmospheric Administration

M. UNIVERSITY OF CALIFORNIA (HOST)

N. San Francisco State University

O. California State University, Fresno

P. California State University, Los Angeles

Q. Cal Poly Corporation, California Polytechnic State University

R. CSU, Chico Research Foundation, California State University, Chico

S. Humboldt State University

T. California State University, Northridge

U. California State University, Stanislaus

V. California Department of Fish and Game

W. California State University, Channel Islands


X. The Institute for Bird Populations

Y. San Diego State University

Z. Institute for Wildlife Studies

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

A. Bureau of Land Management



Jim Abbott *acting*
Acting State Director

12/20/10
Date



~~Julia B. Lang~~ Traci D. Thaler
Assistance Officer

12/15/2010
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

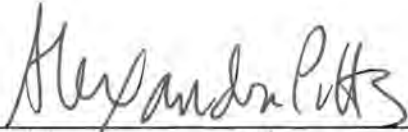
B. Bureau of Reclamation

 Orlando R. Arroyo
[Print Name]:
[Print Title]:

 12/22/10
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. U.S. Fish and Wildlife Service

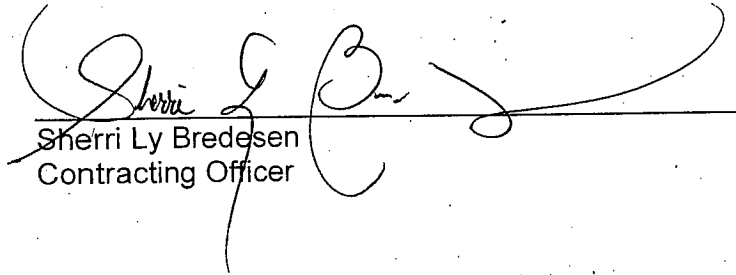


[Print Name]: Alexandra Pitts
[Print Title]: Deputy Regional Director

12/13/2018
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. U.S. Geological Survey

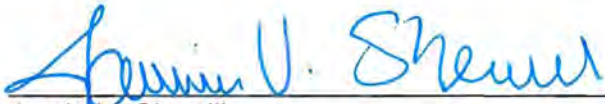


Sherri Ly Bredesen
Contracting Officer

12/14/10
Date

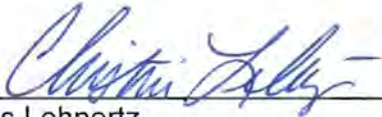
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. National Park Service



Jamie V. Sherrill
Contracts/Agreements Team Leader

12/15/2010
Date

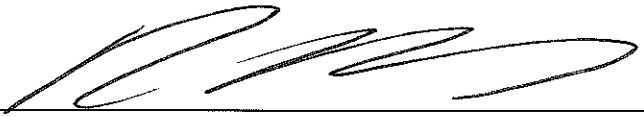


Chris Lehnertz
Regional Director
Pacific West Region

12/16/2010
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. Bureau of Ocean Energy Management, Regulation and Enforcement

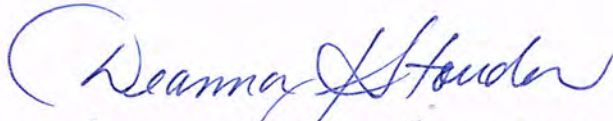


[Print Name]: Rodney Cluck
[Print Title]: Chief, ESP

12/6/2010
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. U.S. Forest Service


DEANNA J STOUDE

14 Dec 10

[Print Name]:

Date

[Print Title]:

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H. Natural Resources Conservation Service



Eloris D. Speight
Deputy Chief for Management

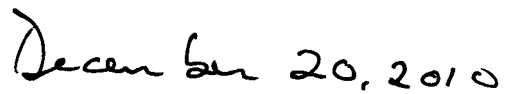
12/26/10
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

I. National Aeronautics and Space Administration



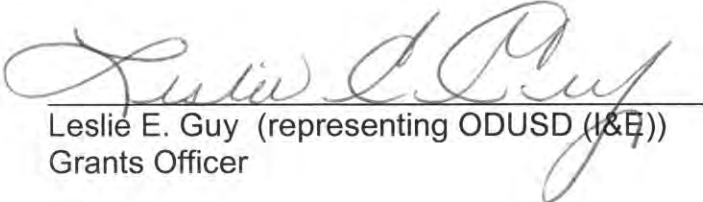
Roger Ashbaugh
Technical Officer
NASA Ames Research Center



December 20, 2010

ARTICLE XIV - AUTHORIZING SIGNATURES (cont.)

J. Office of the Deputy Under Secretary of Defense (Installations and Environment)



Leslie E. Guy (representing ODUSD (I&E))
Grants Officer

15-Dec-10
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

K. U.S. Army Corps of Engineers – Civil Works

Michael G. Lee

Michael G. Lee
Grants Officer

7 DECEMBER 2010
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. National Oceanic and Atmospheric Administration




[Print Name]: Gary Reisner

[Print Title]: Director, Management and Budget Office
National Marine Fisheries Service
National Oceanic and Atmospheric Administration

12/20/10
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. UNIVERSITY OF CALIFORNIA (HOST), systemwide authorization



[Print Name]: LOURDES G. DeMATTO
[Print Title]: CONTRACT AND GRANT OFFICER

12-10-10
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. San Francisco State University



[Print Name]:

Stephen E. Smith

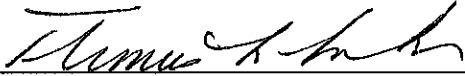
[Print Title]:

Director of Procurement

12/20/10
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. California State University, Fresno



[Print Name]: Thomas McClanahan
[Print Title]: Associate Vice President, ORSP

12/9/10
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. California State University, Los Angeles



12-16-10

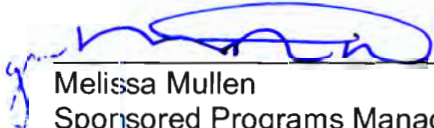
[Print Name]: Dr. Jose L. Galvan

Date

[Print Title]: Dean of Extended Education and Research

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. Cal Poly Corporation, California Polytechnic State University

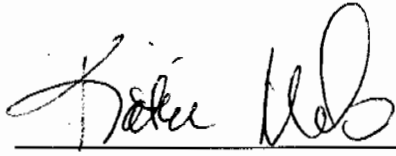


Melissa Mullen
Sponsored Programs Manager
Cal Poly Corporation

12-13-10
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. CSU, Chico Research Foundation, California State University, Chico

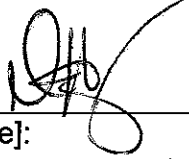


Dr. Katie Milo
Vice Provost for Research

12/9/10
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. Humboldt State University



[Print Name]:

[Print Title]:

Denise Helwig

Interim Dir. HSU SPF

12-12-10
Date

7. The undersigned is duly authorized to make this certification on behalf of the Grantee.

Dated;

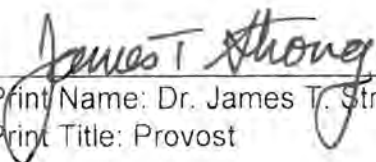
By:  _____

Name: Scott Pérez

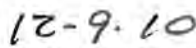
Title: Director, Research and Sponsored Projects

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. California State University, Stanislaus



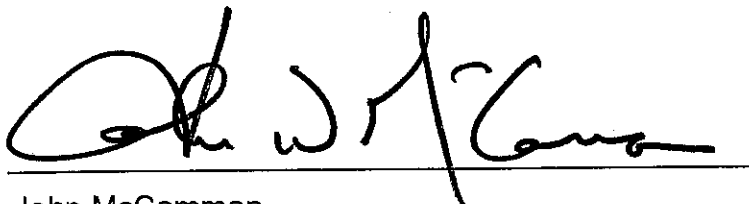
Print Name: Dr. James T. Strong
Print Title: Provost



Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. California Department of Fish and Game


A handwritten signature in black ink, appearing to read "John McCamman", written over a horizontal line.

John McCamman
Director

12/16/10
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. California State University, Channel Islands

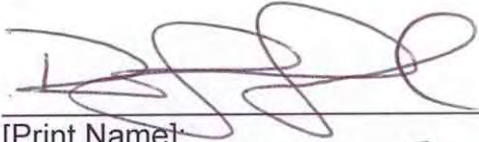


[Print Name]: Joanne Coville
[Print Title]: Vice President for Finance and Administration

12-21-10
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. The Institute for Bird Populations



[Print Name]:

[Print Title]:

Rodney Siegel,
Executive Director

12/9/10
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. San Diego State University

W. Timothy Hushen

W. TIMOTHY HUSHEN

12-15-10

ASSOCIATE EXECUTIVE DIRECTOR

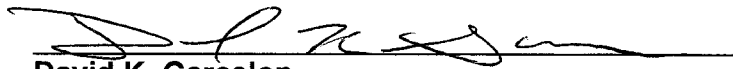
[Print Name]: SAN DIEGO STATE UNIV. RESEARCH FOUNDATION

Date

[Print Title]:

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Z. Institute for Wildlife Studies



David K. Garcelon
President
Institute for Wildlife Studies

12/6/2010
Date