

**COLORADO PLATEAU
COOPERATIVE ECOSYSTEM STUDIES UNIT**

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

between

NAVAJO NATION

and

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

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

**U.S. DEPARTMENT OF DEFENSE
Office of the Deputy Under Secretary of Defense
(Installations and Environment)
U.S. Army Corps of Engineers – Civil Works**

and

**NORTHERN ARIZONA UNIVERSITY (HOST)
Arizona State University
Colorado State University
Diné College
Fort Lewis College
New Mexico State University
Oregon State University
University of Arizona
University of Nevada-Reno
Utah State University
The Arboretum at Flagstaff
Museum of Northern Arizona
Colorado Mesa University (formerly Mesa State College)
Southern Utah University**

**Archaeology Southwest (formerly Center for Desert Archaeology)
Rocky Mountain Bird Observatory
Weber State University
University of New Mexico
Crow Canyon Archaeological Center
University of Pennsylvania
Prescott College
Institute for Bird Populations
The University of Texas at San Antonio
University of Utah
Utah Valley University
Dixie State University
Conservation Science Partners
Desert Research Institute
University of Cincinnati**

**Adding:
New Mexico Institute of Mining and Technology**

With the exception of the changes below, all terms and conditions of the Colorado Plateau CESU Agreement apply to this Amendment, and this Amendment is hereby made part of the Agreement.

ARTICLE I. BACKGROUND AND OBJECTIVES

M.2. The New Mexico Institute of Mining and Technology (New Mexico Tech) is hereby included in the Colorado Plateau CESU as a Partner Institution.

ARTICLE III. TERM OF AGREEMENT

- A.1. The effective date of the Colorado Plateau CESU Cooperative and Joint Venture Agreement is 18 June 2014.
- A.2. The effective date of this Amendment to the Colorado Plateau CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature to this Amendment.

ARTICLE IV. KEY OFFICIALS

D.29. The technical representative for the New Mexico Institute of Mining and Technology (New Mexico Tech) is:

Jesus D. Gomez-Velez
Assistant Professor of Hydrology
Department of Earth and Environmental Science
New Mexico Tech
801 Leroy Place, MSEC 208
Sorro, NM 87801
Phone: (575) 835-5045
jdgomez@nmt.edu

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES

The following authorizing signatures are attached to this amendment:

A. NAVAJO NATION

U.S. DEPARTMENT OF THE INTERIOR

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

U.S. DEPARTMENT OF AGRICULTURE

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

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

L. NORTHERN ARIZONA UNIVERSITY (HOST)

- M. Arizona State University
- N. Colorado State University
- O. Diné College
- P. Fort Lewis College
- Q. New Mexico State University
- R. Oregon State University
- S. University of Arizona
- T. University of Nevada-Reno
- U. Utah State University
- V. The Arboretum at Flagstaff
- W. Museum of Northern Arizona
- X. Colorado Mesa University (formerly Mesa State College)
- Y. Southern Utah University

- Z. Archaeology Southwest (formerly Center for Desert Archaeology)
- AA. Rocky Mountain Bird Observatory
- BB. Weber State University
- CC. University of New Mexico
- DD. Crow Canyon Archaeological Center
- EE. University of Pennsylvania
- FF. Prescott College
- GG. Institute for Bird Populations
- HH. The University of Texas at San Antonio
- II. University of Utah
- JJ. Utah Valley University
- KK. Dixie State University
- LL. Conservation Science Partners
- MM. Desert Research Institute
- NN. University of Cincinnati
- OO. New Mexico Institute of Mining and Technology**

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

A. Navajo Nation

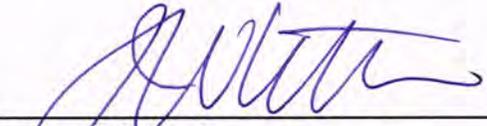
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Ben Shelly
President

Date

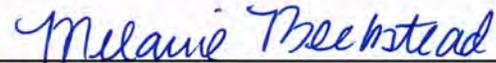
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

B. Bureau of Land Management



Jenna Whitlock
Acting State Director

6/24/16
Date



Melanie Beckstead
Grant Management Officer

6/6/16
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. U.S. Bureau of Reclamation

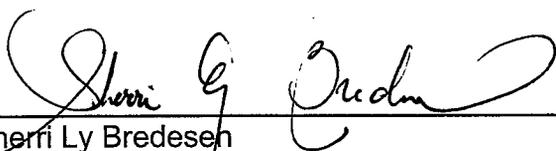


Heidi Hansen
Grants Officer

6/7/2016
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. U.S. Geological Survey



Sherri Ly Bredesen
Contracting Officer

06/6/16
Date/

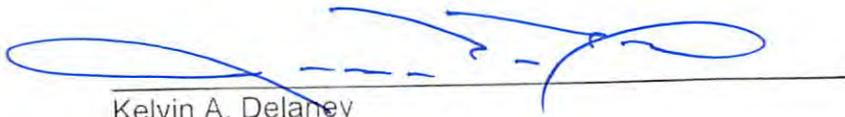
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. National Park Service



Andrew E. Lubner
Contracting Officer

6/1/16
Date



Kelvin A. Delaney
Financial Assistance Officer

6/7/16
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. U.S. Fish and Wildlife Service

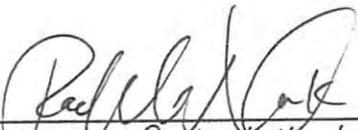
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Greg Watson
Chief of Landscape Conservation

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. Bureau of Indian Affairs



~~Michael S. Black~~ Rachael Novak for Michael Black
Director, Bureau of Indian Affairs
U.S. Department of the Interior

6/2/16
Date



~~Bernie Toyekyan~~ Mark Doughton
Grants and Agreements Specialist

6.2.2018
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

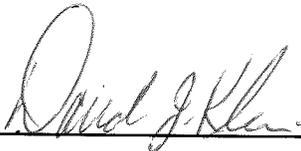
H. U.S. Forest Service



Allison Hill
Program Manager, Rocky Mountain Research Station

6/17/2016
Date

The authority and format of this instrument has been reviewed and approved for signature.



David Klein
Grants and Agreements Specialist

June 17, '16
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

I. Natural Resources Conservation Service

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Gayle N. Barry
Deputy Chief for Management

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Traci Robicheaux
Grants Officer
Representing ODUSD (I&E)

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

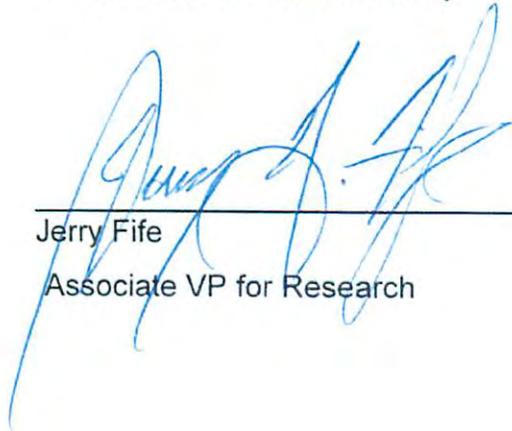
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Jeri McGuffie
Grants Officer

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. Northern Arizona University



Jerry Fife
Associate VP for Research

7/11/16
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Arizona State University



Rob Melnick
Executive Director, Global Institute of Sustainability/School of Sustainability

6/9/2016
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. Colorado State University



David B. Doty
Associate Director, Office of Sponsored Programs

6/20/16
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. Diné College


~~Signature of George~~ Martin M. Ahumada
~~Signature~~
Interim President

7-11-2014
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. Fort Lewis College

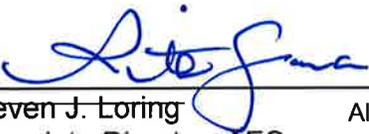


Barbara Jean Morris
Provost, Vice President for Academic Affairs

7/11/16
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Regents of
Q. New Mexico State University

 _____ Steven J. Loring Associate Director, AES	 _____ Alisha A. Giron Director, Office of Grants & Contracts	<u>06/08/16</u> Date
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ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. Oregon State University

Digitally signed by Patricia A. Hawk
DN: cn=Patricia A. Hawk, o=Office for Sponsored Research & Award
Administration, ou=Assistant Vice President,
email=patricia.hawk@oregonstate.edu, c=US
Date: 2016.07.12 08:53:02 -07'00'

Lin Reilly
Senior Grant and Contract Officer

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. University of Arizona



Mark A. Drury
Contracts Manager

6/2/2016

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. University of Nevada-Reno

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Charlene Hart, MBA, CPA
Director, Sponsored Projects

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. Utah State University



Kevin Peterson
Director, Sponsored Programs

6/2/16
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. The Arboretum at Flagstaff



Kristen E. Haskins
Director of Research

6/2/2016
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. Museum of Northern Arizona



~~Robert Breunig~~ Carrie M. Heinen
Director & CEO

6.2.16
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. Colorado Mesa University (formerly Mesa State College)



Tim Foster
President



Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. Southern Utah University



Julia Anderson
Director, Sponsored Programs Office

6/2/2016
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Z. Archaeology Southwest (formerly Center for Desert Archaeology)

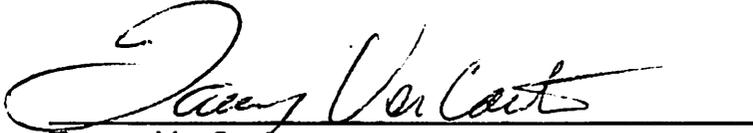


William H. Doelle
President and CEO

7/11/16
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

AA. Rocky Mountain Bird Observatory

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

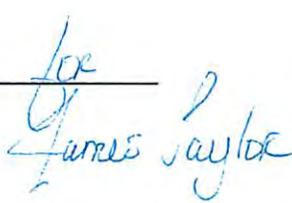
Tammy VanCayteren
Executive Director

7-11-12
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

BB. Weber State University


James Taylor for
Director, Office of Sponsored Projects


James Taylor

7/11/2014
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

CC. University of New Mexico

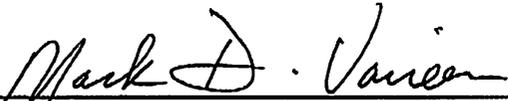
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

John T. McGraw
Interim Vice President for Research and Economic Development

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

DD. Crow Canyon Archaeological Center



Mark D. Varien
Chair, Research and Education



Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

EE. University of Pennsylvania



W. Stuart Watson
Associate Director, Office of Research Services

07/11/2016

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

FF. Prescott College

A handwritten signature in black ink, appearing to read "Paul Burkhardt", is written over a horizontal line.

Paul Burkhardt
Executive Vice President for Academic Affairs and Provost

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

GG. Institute for Bird Populations



Rodney Siegel
Executive Director

7/14/16
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

HH. The University of Texas at San Antonio



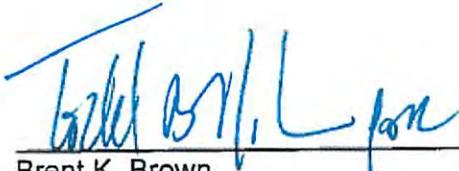
Cory R. A. Hallam, Ph.D.
Assistant Vice President and Chief
Commercialization Officer

6/6/16

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

II. University of Utah



Brent K. Brown
Director, Office of Sponsored Programs



Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

JJ. Utah Valley University

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Dr. Brian Birch
Associate Vice President – Engaged Learning

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

KK. Dixie State University



Paul C. Morris
Vice President for Administrative Services

6/30/16
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

LL. Conservation Science Partners



Brett Dickson
President

7.11.16

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

MM. The Board of Regents of the Nevada System of Higher Education
on behalf of the Desert Research Institute

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Alan W. Gertler, Ph.D.
Vice President for Research

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

NN. University of Cincinnati

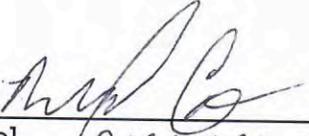


Kyle Hern
Associate General Counsel
Assistant Contracting Officer

6/10/2016
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

OO. New Mexico Institute of Mining and Technology (New Mexico Tech)



[Name] RICHARD CERVANTES
[Title] VICE PRESIDENT ADMINISTRATION
AND FINANCE
Date 5/22/16