COLORADO PLATEAU
COOPERATIVE ECOSYSTEM STUDIES UNIT

AMENDMENT FIVE TO
COOPERATIVE and JOINT VENTURE AGREEMENT

between

NAVAJO NATION

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

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
Haskell Indian Nations University
New Mexico State University
Oregon State University
University of Arizona
University of Nevada-Reno
Utah State University
The Arboretum at Flagstaff
ARTICLE I. BACKGROUND AND OBJECTIVES

K.4. Utah Valley University 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 2009.

A.3. 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

C.26. The technical representative for Utah Valley University is:

Dr. Daniel Horns
Associate Dean, College of Science and Health
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

DEPARTMENT OF AGRICULTURE
G. USDA Forest Service
H. Natural Resources Conservation Service

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

K. NORTHERN ARIZONA UNIVERSITY (HOST)
L. Arizona State University
M. Colorado State University
N. Diné College
O. Fort Lewis College
P. Haskell Indian Nations University
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. 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
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.

[Print Name]:                                      Date
[Print Title]:
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

B. Bureau of Land Management

Maria Gochis
Grants Management Officer

3/12/13
Date

Maria Gochis

3/12/13
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. U.S. Bureau of Reclamation

Melynda Roberts
Grants Officer

2/1/13
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. U.S. Geological Survey

[Signature]

Sherri Ly Bredesen  
Contracting Officer  

01/20/13  
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. National Park Service

Michael Beckofen  KEVIN DEAN
Contracting Officer

Tammy Whittington
Associate Regional Director, Resources

3/22/13
Date

3/25/13
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          Date
Chief, Office of Landscape Conservation
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. U.S. Forest Service

Allison Hill
Program Manager, Rocky Mountain Research Station

Date 2/27/13

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

Linda Maul 2/27/13
Grants & Agreement Specialist Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H. 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.

Jane Hardisty
Acting Deputy Chief for Management

Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

[Signature]
Derek Gadberry
Grants Officer (Representing ODUSD (I&E))

[Date]
14 Feb 13
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

Digitally signed by
SONTAG.DEANNDAS.1230791909
DN: c=US, o=U.S. Government, ou=DoD,
on=PKI, ou=USA,
cn=SONTAG.DEANNDAS.1230791909
Date: 2013.03.03 21:25:51 -06'00'

Deannda Sontag
Grants Officer

03 March 2013
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

K. Northern Arizona University

Wilma G. Ennenga  04/08/2013
Director, Grant and Contract Services

Wilma G. Ennenga  Date
L. Arizona State University

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

2-19-13
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Colorado State University

[Signature]
David B. Doty
Associate Director, Office of Sponsored Programs

Date 2/20/15
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. Diné College

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.

[Print Name]: ____________________________  Date ____________________________
[Print Title]:
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. Fort Lewis College

Barbara Jean Morris  
Provost, Vice President for Academic Affairs

3\textsuperscript{18}\text{, 2013}  
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. Haskell Indian Nations 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.

[Print Name]:
[Print Title]:

Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. New Mexico State University

Steven J. Loring  
Associate Director, AES

2/19/2013  
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. Oregon State 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.

Lin Reilly
Senior Grant and Contract Officer
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. University of Arizona

Lee Anne T. Peters  
Contract Officer  

Date  
3/18/13
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. University of Nevada-Reno

[Signature]
Charlene Hart, MBA, CPA
Director, Sponsored Projects

02/26/13
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. Utah State University

[Signature]
Kevin Peterson
Director, Sponsored Programs

2/19/13
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. The Arboretum at Flagstaff

Kristen E. Haskins  
Director of Research

26 Feb. 2013  
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. Museum of Northern Arizona

Robert Breunig
Director

3.5.18
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. Colorado Mesa University (formerly Mesa State College)

[Signature]
Tim Foster
President

2/26/13
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. Southern Utah 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.

[Print Name]: [Print Title]:

Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

ARCHAEOLOGY SOUTHWEST
Z. Center for Desert Archaeology (formerly)

[Signature]
William H. Doelle
President and CEO

[Date]
2/19/2013
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

AA. Rocky Mountain Bird Observatory

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.

__________________________________________   ________
Tammy VanCauteren       Date
Executive Director
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

BB. Weber State 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.

__________________________________________   ________
Chris Millard         Date
Director, Office of Sponsored Projects
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        Date
Interim Vice President for Research and Economic Development
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

DD. Crow Canyon Archaeological Center

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.

__________________________________________   ________
Mark D. Varien         Date
Research and Education Chair
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

EE. University of Pennsylvania

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.

__________________________________________   ________
W. Stuart Watson         Date
Associate Director, Office of Research Services
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

FF. Prescott College

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__________________________________________   ________
Paul Burkhardt                  Date
Executive Vice President for Academic Affairs and Provost
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

GG. Institute for Bird Populations

Rodney Siegel
Executive Director

2-25-12
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

HH. The University of Texas at San Antonio

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.

James J. Casey, Jr. J.D.                                      Date
Assistant Vice President for Sponsored Projects Administration
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

II. University of Utah

Brent K. Brown
Director, Office of Sponsored Programs

[Signature]  Date: 20 Feb 13
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

JJ. Utah Valley University

Dr. Brian Birch
Associate Vice President – Engaged Learning

2/13/13
Date