GREAT PLAINS
COOPERATIVE ECOSYSTEM STUDIES UNIT

AMENDMENT FIVE TO
COOPERATIVE and JOINT VENTURE AGREEMENT

between

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
Farm Service Agency

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

and

UNIVERSITY OF NEBRASKA - LINCOLN (HOST)
Black Hills State University
Colorado State University
Kansas State University
Langston University
North Dakota State University
South Dakota State University
Texas A&M AgriLife Research (formerly Texas AgriLife Research of the Texas
A&M University System)
University of Minnesota
University of North Dakota
University of Oklahoma
University of South Dakota
University of Wyoming
Emporia State University
New Mexico Highlands University
South Dakota School of Mines and Technology
Winona State University
Oklahoma State University
University of Nebraska Medical Center College of Public Health
Texas Tech University
World Wildlife Fund Northern Great Plains Program

Adding:

Bureau of Indian Affairs
National Oceanic and Atmospheric Administration

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

ARTICLE I. BACKGROUND AND OBJECTIVES

A.1. The Bureau of Indian Affairs (BIA) and National Oceanic and Atmospheric Administration (NOAA) are hereby included in the Great Plains CESU as Federal Agency Partners.

N. Bureau of Indian Affairs (BIA) is the oldest bureau of the United States Department of the Interior. Established in 1824, BIA currently provides services to approximately 1.9 million American Indians and Alaska Natives. There are 566 federally recognized American Indian tribes and Alaska Natives in the United States. The mission of the Bureau of Indian Affairs is to: "... enhance the quality of life, to promote economic opportunity, and to carry out the responsibility to protect and improve the trust assets of American Indians, Indian tribes, and Alaska Natives." BIA has responsibility for the administration and management of 55 million surface acres and 57 million acres of subsurface minerals estates held in trust by the United States for American Indian, Indian tribes, and Alaska Natives. BIA serves a special role, both serving tribes through trust management and by providing technical support and advice across a broad range of topics. The BIA is also the lead agency providing for federal management of the trust corpus held on behalf of tribal government and individual beneficial owners and as such is tasked with coordinating science, technical education, and management needs for those trust resources. The tribes, through the Indian Self-Determination and Education Assistance Act of 1975 (Pub. L. 93-638) are authorized to contract BIA management functions and as such mission needs,
research results, and education efforts serve and enable tribal and BIA staff. The Act also authorized the federal government to follow specific contracting regulations for Recognized Federal Indian Tribes, and with tribal approval, tribally chartered Indian colleges and universities.

BIA participation in the CESU Network will include support, coordination, and cooperation focused on science and education for climate and trust resource management, as well as other areas within its range of mission-related services and activities. BIA is authorized to enter into cooperative agreements under the general authority for climate change via the Snyder Act of 1921, as amended, 25 U.S.C. § 13; for FY14 (2-year funding) via Pub. L. 113-76, and FY15 (2-year funding) via Pub. L. 113-164, as amended (and subsequent annual budget appropriations as may be authorized during the term of the agreement); and for any potential Forestry and Wildland Fire Management program efforts, via the National Indian Forest Resources Management Act of 1990, Pub. L. 101-630. BIA has the authority to enter into this agreement pursuant to 25 U.S.C. § 2; the Education and Training Program, 23 U.S.C. § 6004; and Snyder Act of 1921, as amended, 25 U.S.C. § 13.

O. The mission of the National Oceanic and Atmospheric Administration (hereafter NOAA) is to understand and predict changes in the Earth’s environment and conserve and manage coastal and marine resources to meet our Nation’s economic, social, and environmental needs. Authorities to participate in and conduct activities through the Cooperative Ecosystem Studies Units Network include 33 U.S.C. § 883(e), which gives NOAA the authority to enter into cooperative agreements with States, Federal Agencies, public or private organizations or individuals for authorized surveys or investigations and other specified purposes. NOAA also has the authority under 15 U.S.C. § 2901 et seq., to enter into contracts, grants, or cooperative agreements for climate-related activities. Finally, the Coastal Zone Management Act at 16 U.S.C. § 1451 et seq., grants NOAA the authority to coordinate with Federal Agencies and provide financial and technical assistance to states and territories to preserve, protect, develop, and where possible, to restore or enhance, the resources of the Nation’s coastal zone for this and succeeding generations, among other things. In accordance with the authorities listed above, NOAA is authorized to enter into agreements with States, nonprofit organizations, academic institutions, and other partners to support research, technical assistance, and educational services consistent with the mission of NOAA and the CESU Network.

ARTICLE III. TERM OF AGREEMENT

A.1. The effective date of the Great Plains CESU Cooperative and Joint Venture Agreement is 6 October 2010.
A.2. The effective date of this Amendment to the Great Plains CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature to this Amendment.

ARTICLE IV. KEY OFFICIALS

A.10. The technical representative for the Bureau of Indian Affairs is:

Sean J. Hart  
Climate Change Coordinator  
Bureau of Indian Affairs  
1849 C Street NW, MIB 4635  
Washington DC, 20240  
Phone: (202) 513-0337  
sean.hart@bia.gov

A.11. The representatives for the National Atmospheric and Oceanic Administration are:

Christopher Strager (technical)  
Director, National Weather Service Central Region  
7220 NW 101st Terrace  
Kansas City, MO  64153  
Phone: (816) 268-3130  
christopher.strager@noaa.gov

Jen Lechuga (administrative)  
Program Analyst  
Office of Chief Financial Officer  
1315 East West Highway, #15642  
Washington, DC  
Phone: (240) 533-9022  
jennifer.lechuga@noaa.gov

ARTICLE V. AWARD

A.1. Upon signature of all parties to this amendment, the Bureau of Indian Affairs and National Oceanic and Atmospheric Administration shall commit funds to the Great Plains CESU Host University in furtherance of the Agreement, to be authorized by a modification issued against the Agreement. The amount of funding shall be determined in accordance with CESU Network annual support guidelines.
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES

The following authorizing signatures are attached to this amendment:

U.S. DEPARTMENT OF THE INTERIOR
A. Bureau of Land Management
B. U.S. Bureau of Reclamation
C. U.S. Geological Survey
D. National Park Service
E. U.S. Fish and Wildlife Service
F. Bureau of Indian Affairs
G. National Oceanic and Atmospheric Administration

U.S. DEPARTMENT OF AGRICULTURE
H. U.S. Forest Service
I. Natural Resources Conservation Service
J. Farm Service Agency

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

M. UNIVERSITY OF NEBRASKA-LINCOLN (Host)
N. Black Hills State University
O. Colorado State University
P. Langston University
Q. Kansas State University
R. North Dakota State University
S. South Dakota State University
T. Texas A&M AgriLife Research (formerly Texas AgriLife Research of the Texas A&M University System)
U. University of Minnesota
V. University of North Dakota
W. University of Oklahoma
X. University of South Dakota
Y. University of Wyoming
Z. Emporia State University
AA. New Mexico Highlands University
BB. South Dakota School of Mines and Technology
CC. Winona State University
DD. Oklahoma State University
EE. University of Nebraska Medical Center, College of Public Health
FF. Texas Tech University
GG. World Wildlife Fund Northern Great Plains Program
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

A. Bureau of Land Management

Mary Jo Rugwell  
Acting State Director, Wyoming  
8/5/15  
Date

Bob Tichac  
Grants and Agreements Officer  
3 Aug 2015  
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

B. U.S. Bureau of Reclamation

Lindsay Nails
Grants and Agreements Officer

9-10-2015
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

C. U.S. Geological Survey

\[Signature\]

Sherry Ly Bredesen
Contracting Officer

\[Date\]

08/18/15
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

D. National Park Service

JULIE HENDRICKS

Digitally signed by JULIE HENDRICKS
DN: c=US, o=U.S. Government, ou=Department of the Interior, ou=National Park Service, cn=JULIE HENDRICKS,
0.9.2342.19200300.100.1.1=14001002916599
Date: 2015.08.14 15:45:45 -05'00'

Julie Hendricks
Lead Grants and Agreements Officer

Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

E. 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, Office of Landscape Conservation  
FWS, Mountain – Prairie Region
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

F. Bureau of Indian Affairs

Michael S. Black
Director, Bureau of Indian Affairs
U.S. Department of the Interior

Bernie Toyekeyah
Grants Management Specialist

6/4/15
Date

8/3/2015
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

G. National Oceanic and Atmospheric Administration

[Signature]

Dr. Richard Merrick
Director of Scientific Programs and Chief Science Advisor
National Oceanic and Atmospheric Administration CESU Lead

[Date]
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

H. U.S. Forest Service

[Signature]
Deborah M. Finch
Program Manager

[Date]
August 3, 2015
ARTICLE XIII. 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 Date
Deputy Chief for Management
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

J. USDA Farm Service Agency

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.

Joy Harwood
Director, Economic and Policy Analysis Staff
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

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

MCGUFFIE.JERI.H. 1230779046

Jeri Mcguffie
Grants Officer

Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

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

ROBICHEAUX.TRACI.D.12
60353990

Traci Robicheaux
Grants Officer
Representing ODUSD (I&E)
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

M. University of Nebraska-Lincoln (Host)

Jeanne Wicks  
Director, Office of Sponsored Programs

Digitally signed by Christine A. Jackson  
DN: cn=Christine A. Jackson,  
o=University of Nebraska-Lincoln,  
ou=Vice Chancellor, Business and Finance, email=cjackson3@unl.edu,  
c=US  
Date: 2015.08.04 13:22:25 -05'00'
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

N. Black Hills State University

Kathy Johnson  
Vice President, Finance and Administration  

8-27-15  
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

O. Colorado State University

David B. Doty
Associate Director, Sponsored Programs

8/14/15
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

P. Langston University

__________________________  ___________
Dennis Howard              Date
Director, Grasslands Center of Excellence

8-18-15
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

Q. Kansas State University

[Signature]
Paul R. Lowe
Assistant Vice President for Research

Date 8/1/2014
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

R. North Dakota State University

Amy Scott
Assistant Director, Office of Sponsored Programs Administration

8-10-15
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

S. South Dakota State University

James J. Doolittle  
Associate Vice President for Research

8-4-2015  
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

T. Texas A&M AgriLife Research (formerly Texas AgriLife Research of the Texas A&M University System)

Craig L. Nessler
Director

Date 3/17/2015
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

U. University of Minnesota

April Coon
Assistant Director, Sponsored Programs Administration

Date 8/18/15
V. University of North Dakota

Michael F. Moore
Associate Vice President for Research and Economic Development

8/18/15
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

W. University of Oklahoma

[Signature]

Andrea Deaton
Associate Vice President for Research

8/12/15
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

X. University of South Dakota

Mary T Berry
Interim Vice President for Research

Date: 8/20/15
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

Y. University of Wyoming

William A. Gern
Vice President for Research and Economic Development

Date

8/11/2015
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

Z. Emporia State University

Diana E. Kuhlmann
Associate Vice President for Fiscal Affairs

8-18-2015

Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

AA. New Mexico Highlands University

[Signature]
Kent Reid
Director, NM Forest and Watershed Restoration Institute

10 Aug 2015
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

BB. South Dakota School of Mines and Technology

[Signature]

Jan A. Puszynski, Ph.D.
Vice President for Research

08-10-15
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

CC. Winona State University

Charla S. Miertschin
Interim Dean, College of Science & Engineering

8/26/15
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

DD. Oklahoma State University

Toni Shaklee
Assistant Vice President for Research

8/7/15
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

EE. University of Nebraska Medical Center, College of Public Health

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Deborah K. Vetter
Director, Sponsored Programs Administration
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

FF. Texas Tech University

Kathleen Harris
Senior Associate Vice President for Research, Office of Research Services

August 17, 2015
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

GG. World Wildlife Fund, Inc. Northern Great Plains Program

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______________________________  __________________________
Martha Kauffman                      Date
Managing Director, Northern Great Plains Program