CHESAPEAKE WATERSHED
COOPERATIVE ECOSYSTEM STUDIES UNIT

COOPERATIVE and JOINT
VENTURE AGREEMENT

between

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

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

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

U.S. DEPARTMENT OF DEFENSE
   Office of the Assistant Secretary of Defense for Sustainment
   U.S. Army Corps of Engineers–Civil Works
   National Aeronautics and Space Administration

and

THE UNIVERSITY SYSTEM OF MARYLAND (HOST)
   University of Maryland Center for Environmental Science
   University of Maryland, Baltimore County
   University of Maryland, College Park
   University of Maryland Eastern Shore
   Bowie State University
   Frostburg State University
   Towson University

   American University
   Anne Arundel Community College
   Binghamton University
Bryn Mawr College
Christopher Newport University
College of William and Mary
Delaware State University
Gallaudet University
Garrett College [withdrawn]
George Mason University
George Washington University
Hood College
Howard University
Indiana University
Indiana University of Pennsylvania
James Madison University
Johns Hopkins University
Lock Haven University
Longwood University
Mansfield University
Maryland Institute College of Art
Monmouth University
Morgan State University
Ohio University
Old Dominion University
The Pennsylvania State University
St. Mary’s College of Maryland
Shepherd University
Shippensburg University
Smithsonian Institution
Temple University
University of Delaware
University of the District of Columbia
University of Mary Washington
University of Pennsylvania
University of Richmond
The Rector and Visitors of the University of Virginia
Virginia Commonwealth University
Virginia Institute of Marine Science
Virginia Polytechnic Institute and State University
West Virginia University
DC Department of Energy and Environment
Virginia Department of Conservation and Recreation
The Academy of Natural Sciences
American Bird Conservancy
American Indian Higher Education Consortium
Association for the Study of African American Life and History
Association of African American Museums
Conservation Science Global, Inc.
ARTICLE I. BACKGROUND AND OBJECTIVES

A. This Cooperative and Joint Venture Agreement (hereinafter called Agreement) between the Bureau of Indian Affairs, Bureau of Land Management, Bureau of Ocean Energy Management, U.S. Fish and Wildlife Service, U.S. Geological Survey, National Park Service, U.S. Forest Service, Natural Resources Conservation Service, National Oceanic and Atmospheric Administration, Office of the Assistant Secretary of Defense for Sustainment, U.S. Army Corps of Engineers–Civil Works, and National Aeronautics and Space Administration (hereinafter called Federal Agencies) and the University System of Maryland (Host University) and its Partner Institutions is a continuation for a five (5) year term to provide for the operation and maintenance of the Chesapeake Watershed Cooperative Ecosystem Studies Unit (CESU). This continuation of the Chesapeake Watershed CESU is implemented by mutual consent of the parties and is consistent with the prior Agreement and the express intent of the request for proposals for that Agreement. The Chesapeake Watershed CESU is associated with a national network of CESUs.

B. The objectives of the Chesapeake Watershed Cooperative Ecosystem Studies Unit are to:

- Provide research, technical assistance and education to federal land management, environmental, and research agencies and their potential partners;

- Develop a program of research, technical assistance and education that involves the biological, physical, social, and cultural sciences needed to address resources issues and interdisciplinary problem-solving at multiple scales and in an ecosystem context at the local, regional, and national level; and

- Place special emphasis on the working collaboration among federal agencies and universities and their related partner institutions.

C. Bureau of Indian Affairs. The Bureau of Indian Affairs (hereinafter called BIA) is the oldest bureau of the United States Department of the Interior. Established in 1824, BIA currently provides services to approximately two million American Indians and Alaska Natives. There are 574 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.

D. Bureau of Land Management. The Bureau of Land Management (hereinafter called BLM) administers public lands within a framework of numerous laws. The most comprehensive of these is the Federal Land Policy and Management Act of 1976 (FLPMA). All Bureau policies, procedures, and management actions must be consistent with FLPMA and the other laws that govern use of the public lands. It is the mission of the BLM to sustain the health, diversity, and productivity of the public lands for the use and enjoyment of present and future generations (43 U.S.C. § 1701 et seq.). In accordance with 43 U.S.C. § 1737(b), the BLM is authorized to enter into contracts and cooperative agreements involving the management, protection, development, and sale of public lands; and is thereby authorized to enter into this cooperative agreement to continue the Chesapeake Watershed CESU to assist in providing research, technical assistance and education.

E. Bureau of Ocean Energy Management. The Bureau of Ocean Energy Management (hereinafter called BOEM) oversees the exploration and development of oil, natural gas and other minerals and renewable energy alternatives on the Nation's outer continental shelf. BOEM continues to look for better ways to serve the American people and to ensure that the Nation receives the best value for its resources now and into the future. The program not only supports decisions made within the Department of the Interior, but also provides other Federal regulators, and the coastal states, and local governments with the information necessary to ensure that all stages of offshore energy and mineral activities are conducted in a manner to protect both the human and natural environments. Outer Continental Shelf Lands Act (OCSLA) (43 U.S.C. §§ 1331-1356) 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, renewable energy or mineral development. 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. BOEM can enter into cooperative agreements with State offices, and public colleges and universities within the affected states; and is thereby authorized to enter into this cooperative agreement to continue the Chesapeake Watershed CESU to assist in providing research, technical assistance, and education.

F. U.S. Fish and Wildlife Service. The U.S. Fish and Wildlife Service (hereinafter called USFWS), working with others, is responsible for conserving, protecting, and enhancing fish, wildlife, plants and their habitats for the continuing benefit of the American people through federal programs related to migratory birds, endangered species, interjurisdictional fish and marine mammals, inland sport fisheries, and the National Wildlife Refuge System. In accordance with 16 U.S.C. § 661, 16 U.S.C. § 742(f), and 16 U.S.C. § 753(a), the USFWS is authorized to cooperate with other agencies to assist in providing research, technical assistance, and education; and is thereby authorized to enter into this cooperative agreement to continue the Chesapeake Watershed CESU.

G. U.S. Geological Survey. The U.S. Geological Survey (hereinafter called USGS) serves the Nation by providing reliable scientific information to describe and understand the Earth, minimize the loss of life and property from natural disasters, manage water, biological, energy, and mineral resources, and enhance and protect our quality of life. USGS has authority to enter into this Agreement pursuant to Pub. L. 99-591, that bestows permanent authority on the USGS to “prosecute projects in cooperation with other agencies, Federal, state, and private” (43 U.S.C. § 36(c)), the USGS Organic Act of March 3, 1879, as amended (43 U.S.C. § 31 et seq.), 16 U.S.C. § 1(a)(2)(j), 16 U.S.C. § 1(g), 16 U.S.C. § 5933, and 16 U.S.C. § 753(a) to continue the Chesapeake Watershed CESU to assist in providing research, technical assistance, and education.

H. National Park Service. The National Park Service (hereinafter called NPS) manages areas of the National Park System “to conserve the scenery and the natural and historic objects and the wild life therein and to provide for the enjoyment of the same in such manner and by such means as will leave them unimpaired for the enjoyment of future generations” (54 U.S.C. § 100101 et seq.). In support of this broad mission, the Secretary of the Interior “shall ensure that management of System units is enhanced by the availability and utilization of a broad program of the highest quality science and information” (54 U.S.C. § 100702), and “shall enter into cooperative agreements with colleges and universities, including land grant schools, in partnership with other Federal and State agencies, to establish cooperative study units to conduct multi-disciplinary research and develop integrated information
products on the resources of the System, or the larger region of which System units are a part” (54 U.S.C. § 100703). The NPS is authorized to enter into cooperative agreements with public or private educational institutions, States, and their political subdivisions, for the purpose of developing adequate, coordinated, cooperative research and training activities concerning the resources of the National Park System (54 U.S.C. § 101702(b)); with State, local and tribal governments, other public entities, educational institutions, and private nonprofit organizations for the public purpose of carrying out National Park Service programs (54 U.S.C. § 101702(a)); with State, local, or tribal governments, other Federal agencies, other public entities, educational institutions, private nonprofit organizations, or participating private landowners or individuals for the purpose of protecting natural resources of units of the National Park System through collaborative efforts on land inside and outside of National Park System units (54 U.S.C. § 101702(d)) or to investigate, protect, preserve, maintain, or operate any historic or archeologic building, site, or object of national significance (54 U.S.C. §§ 320101-320103); and with any State or local government, public or private agency, organization, institution, corporation, individual, or other entity for the purpose of sharing costs or services in carrying out authorized functions and responsibilities of the Secretary of the Interior with respect to any unit or program of the National Park System, any affiliated area, or any designated National Scenic or Historic Trail (54 U.S.C. § 101701). NPS is also authorized to provide conservation, recreation, and disaster assistance to partners to help them achieve goals of mutual interest (54 U.S.C. § 200103, 16 U.S.C. § 1723(c)), and support projects to be carried out on Federal, State, local, or private lands as part of disaster prevention or relief efforts in response to an emergency or major disaster declared by the President under the Robert T. Stafford Disaster Relief and Emergency Assistance Act (42 U.S.C. § 5121 et seq.). In accordance with the aforementioned authorities, the NPS is authorized to enter into this Agreement to continue the Chesapeake Watershed CESU to assist in providing research, technical assistance and education.

I. **U.S. Forest Service.** The U.S. Department of Agriculture Forest Service (hereinafter called USFS) mission is to achieve quality land management under the sustainable multiple-use management concept to meet the diverse needs of the people (16 U.S.C. § 1641-1646). In accordance with 7 U.S.C. § 3318(b), the USFS is authorized to enter into a joint venture agreement to assist in providing agricultural research and teaching activities.

J. **Natural Resources Conservation Service.** The Natural Resources Conservation Service (hereinafter called NRCS) improves the health of our Nation’s natural resources while sustaining and enhancing the productivity of American agriculture. We achieve this by providing voluntary assistance through strong partnerships with private landowners, managers, and communities to protect, restore, and enhance the lands and waters upon which people and the environment depend. NRCS scientists and technical specialists identify appropriate technologies in research, development, and transfer them to field staff for recommending the technologies to America’s farmers and ranchers. Under 7 U.S.C. 6962a, 16 U.S.C. 590a-q, 42
U.S.C. 3271-3274, and 16 U.S.C. 3839aa et seq., NRCS is authorized to enter into this cooperative agreement to continue the Chesapeake Watershed CESU to assist in providing research, studies, technical assistance, and educational services consistent with the mission of the NRCS and the CESU Network.

K. Office of the Assistant Secretary of Defense for Sustainment. The U.S. Department of Defense—Office of the Assistant Secretary of Defense for Sustainment (hereinafter called DOD) manages 25 million acres of land, and the natural and cultural resources found there, and for this Agreement includes the Office of the Secretary of Defense, the Military Services, the Defense Logistics Agency, the National Guard Bureaus, and the Military Reserve Components. DOD's primary mission is national defense. DOD's conservation program supports this mission by ensuring realistic training areas, and managing its resources in ways that maximize available land, air, and water training opportunities. DOD environmental stewardship activities are authorized under the Sikes Act, as amended. In accordance with one or more of the following: 16 U.S.C. § 670c-1, 10 U.S.C. § 2358, 10 U.S.C. § 2694, 10 U.S.C. § 2684, and Pub. L. 103-139 (FY 94 NDAA, page 107 Stat. 1422), DOD is authorized to enter into cooperative agreements with States, nonprofit organizations, academic institutions, and other partners to support research, technical assistance, and educational services consistent with the mission of the DOD and the CESU Network. In accordance with the aforementioned authorities, the DOD is authorized to enter into this Agreement to continue the Chesapeake Watershed CESU.

L. U.S. Army Corps of Engineers—Civil Works. The U.S. Army Corps of Engineers Civil Works Program (hereinafter called USACE) provides assistance in the development and management of the nation’s water resources. The main missions of USACE, 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 nonfederal 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 resources management. The university and scientific institutions that comprise the CESU Network have knowledge and expertise of the latest scientific advances that will assist the Corps in reaching sound, scientifically based decisions. In addition, by participating in the CESU, scientists within the Corps will have access to university resources within the CESU Network and be able to interact with colleagues in various scientific disciplines, and thereby further their own professional development. Corps field offices may avail themselves of support from the regional CESUs by collaborating with the Engineer Research and Development Center, who has the authority to enter into cooperative agreements with such CESUs, thus enabling these Corps offices to receive scientific support from regional CESU members. USACE is authorized to cooperate with other agencies in accordance with Title 33 U.S.C. § 2323(a) and 10 U.S.C. § 3036(d). Additionally, USACE may enter into transactions under the authority of 10 U.S.C. § 2371 in carrying out basic, applied, and advanced research projects. In accordance with 10 U.S.C. § 2358,
USACE is authorized to enter into this cooperative agreement continuing the Chesapeake Watershed CESU.

M. Host University. The University System of Maryland (USM) (hereinafter called Host University) participates in the Chesapeake Watershed CESU through USM institutions: the University of Maryland Center for Environmental Science (UMCES), the University of Maryland, Baltimore County (UMBC), the University of Maryland, College Park (UMCP), the University of Maryland Eastern Shore (UMES), Bowie State University (BSU), Frostburg State University (FSU), and Towson University (TU). UMCES serves as the administrative lead for the Host University. UMCES advances knowledge through scientific discovery, integration, application, and teaching, all leading toward a holistic understanding of our environmental and natural resources. Home to more than 20 research centers and institutes, UMBC is a major center for cutting-edge research in the Baltimore-Washington Corridor. UMCP is a public research university, sharing research, educational, and technological strengths with other institutions in the USM throughout the state, and is the original land-grant institution in Maryland. UMES is Maryland’s Historically Black 1890 Land-Grant Institution; it is a teaching, research, and doctoral institution that nurtures and launches leaders in a student-centered environment. BSU is Maryland’s oldest Historically Black College/University and empowers students to think critically, make new discoveries, value differences and emerge as leaders in a highly technical, rapidly changing global society. FSU serves as a premiere educational, economic, and cultural center for Western Maryland. The largest university in the Baltimore area, TU produces innovative research and offers nationally recognized undergraduate and graduate programs in the liberal arts, sciences, arts, and applied professional fields. Through inter-institutional collaboration, combined with the unique contributions of each constituent institution, the USM strives to contribute substantially to the cultural, economic, environmental, scientific, social and technological advancement of Maryland and the nation.

N. Partner Institutions. The partner institutions to the Host University include American University, Anne Arundel Community College, Binghamton University, Bryn Mawr College, Christopher Newport University, College of William and Mary, Delaware State University, Gallaudet University, Garrett College, George Mason University, George Washington University, Hood College, Howard University, Indiana University, Indiana University of Pennsylvania, James Madison University, Johns Hopkins University, Lock Haven University, Longwood University, Mansfield University, Maryland Institute College of Art, Monmouth University, Morgan State University, Ohio University, Old Dominion University, The Pennsylvania State University, St. Mary’s College of Maryland, Shepherd University, Shippensburg University, Smithsonian Institution, Temple University, University of Delaware, University of the District of Columbia, University of Maryland, Washington University, University of Pennsylvania, University of Richmond, The Rector and Visitors of the University of Virginia, Virginia Commonwealth University, Virginia Institute of Marine Science, Virginia Polytechnic Institute and State University, West Virginia University, DC Department of Energy and Environment, Virginia Department of Conservation and

ARTICLE II. STATEMENT OF WORK

A. Each Federal Agency agrees to:

1. Provide administrative assistance, as appropriate, necessary to execute this Agreement and subsequent modifications;

2. Conduct, with the Host University and Partner Institutions, a program of research, technical assistance and education related to the Chesapeake Watershed CESU objectives to the extent allowed by each Federal Agencies’ authorizing legislation;

3. Provide opportunities for research on federal lands or using federal facilities in cooperation with Federal Agencies, as appropriate, and according to all applicable laws, regulations and Federal Agencies’ policies;

4. Provide funds for basic support and salary for participating Host University and Partner Institution faculty, as appropriate and as available;

5. Provide project funds and/or collaboration to support specific research, technical assistance and education projects, as appropriate and as available;

6. Make available managers to serve on the Chesapeake Watershed CESU Executive Committee and Federal Managers Committee;

7. Comply with the Host University’s and Partner Institutions’ rules, regulations, and policies regarding professional conduct, health, safety, use of services and facilities, use of animals, recombinant DNA, infectious agents or radioactive substances, as well as other policies generally applied to Host University and Partner Institution personnel;

8. Ensure its employees follow the Code of Ethics for Government Service (Pub. L. 96-303) and Standards of Ethical Conduct (5 CFR Part 2635);

9. Allow Federal Agency employees to participate in the activities of the Host University and Partner Institutions, including serving on graduate committees and teaching courses, as appropriate, and as specifically determined in modifications to the Agreement; and
10. Be individually responsible for their agency’s role in administering the Agreement, transferring funds, and supervision of agency employees, as appropriate.

B. The Host University agrees to:

1. Continue, in consultation with the Federal Agencies and Partner Institutions, the Chesapeake Watershed CESU;

2. Conduct, with participating Federal Agencies and Partner Institutions, a program of research, technical assistance and education related to the Chesapeake Watershed CESU objectives;

3. Allow and encourage faculty to engage in participating Federal Agencies' research, technical assistance and education activities related to the Chesapeake Watershed CESU objectives, as appropriate;

4. Provide basic administrative and clerical support as appropriate;

5. Provide access for Chesapeake Watershed CESU Federal Agency staff to campus facilities, including library, laboratories, computer facilities on the same basis or costs as other faculty members of the Host University to the maximum extent allowable under state laws and regulations;

6. Provide suitable office space, furniture and laboratory space, utilities, computer network access and basic telephone service for Federal Agencies' personnel to be located at the Host University, as appropriate;

7. Offer educational and training opportunities to participating Federal Agency employees, in accordance with the respective policies of the Federal Agencies and the Host University;

8. Encourage its students to participate in the activities of the Chesapeake Watershed CESU;

9. Coordinate activities, as appropriate, with the Partner Institutions and develop administrative policies for such coordination; and

10. Maintain a Chesapeake Watershed CESU Executive Committee and convene a meeting of this committee, at least annually, to provide advice and guidance, review of the annual work and multi-year strategic plans, and assist in evaluating the Chesapeake Watershed CESU.

C. Each Partner Institution agrees to:
1. Conduct, with participating Federal Agencies and the Host University, a program of research, technical assistance, and education related to the Chesapeake Watershed CESU objectives and allow and encourage faculty to participate in the program as appropriate;

2. Offer educational and training opportunities to participating Federal Agency employees, as appropriate; and

3. Encourage students and employees to participate in the activities of the Chesapeake Watershed CESU.

D. All Federal Agencies, the Host University and Partner Institutions agree to:

1. Maintain the Chesapeake Watershed CESU closely following the mission and goals of the CESU Network as described in the CESU Network Strategic Plan, adapting key elements to local and regional needs, as appropriate;

2. Maintain a Chesapeake Watershed CESU role and mission statement;

3. Operate under a multi-year strategic plan;

4. Issue individual funding documents, in accordance with each agency’s procedures, to this Agreement that individually include a specific “scope of work” statement and a brief explanation of the following:

   a. the proposed work;
   b. the project contribution to the objectives of the CESU;
   c. the methodology of the project;
   d. the substantial involvement of each party;
   e. the project budget and schedule;
   f. the specific project outputs or products.

Note: For BLM, FWS, USFS, and other agencies as appropriate, this Agreement is neither a fiscal nor a funds obligation document. Any endeavor to transfer anything of value involving reimbursement or contribution of funds between the parties to this Agreement will be handled in accordance with applicable laws, regulations, and procedures including those for government procurement and printing. Such endeavors will be outlined in separate task agreements that shall be made in writing by representatives of the parties and shall be independently authorized by appropriate statutory authority. This Agreement does not provide such authority. Specifically, this Agreement does not establish authority for noncompetitive award to the cooperator of any contract or other agreement.

5. Provide data on CESU projects to the CESU Network National Office and/or Host University in accordance with CESU Council guidelines as posted on the CESU Network National Office website (www.cesu.org);
6. Coordinate in obtaining all necessary state, federal, and tribal permits and/or permissions from private landowners in order to conduct projects occurring under this Agreement;

7. Engage in collaborative activities consistent with federal scientific and scholarly integrity directives and policies (e.g., Presidential and OSTP Scientific Integrity Memoranda; DOD Instruction 3200.20; DOI 305 DM 3; USDA DR 1074-001; NOAA AO 202-735D), as appropriate;

8. Follow 2 CFR 200, OMB Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Uniform Guidance), as appropriate; and the related federal agency regulations, as applicable, specifically 22 CFR 518 (Department of Defense), 32 CFR Parts 21, 22, 32, 33, and 34 (Department of Defense), 10 U.S.C. 2358, 10 U.S.C. 3036(d), 33 U.S.C. 2323a, DOD 3210.6-R, and Department of Defense Grant and Agreement Regulations (Department of Defense); and these documents are incorporated into this Agreement by reference.

**ARTICLE III. TERM OF AGREEMENT**

A. The effective date of this Agreement shall be 05 August 2021. This Agreement shall be effective for all signatory parties for a period of five (5) years from the effective date. Parties will have until 05 August 2021 to sign this Agreement and thereby express their intent to continue participation in the Chesapeake Watershed CESU. Parties that do not sign this Agreement by 05 August 2021 will remain in “inactive” status and ineligible to process new projects under this Agreement until their official signature page has been received.

B. By mutual consent and at the end of this Agreement, a new Agreement, for a separate and distinct five (5) year period, can be entered into to continue the activities of the Chesapeake Watershed CESU.

C. Amendments to this Agreement shall be made according to the following provisions:

1. For the purposes of this Agreement, Amendments are changes (edits, deletions, or additions) to the Agreement that do not involve the transfer of funds. Amendments may be proposed by any of the Federal Agencies, the Host University, or by the Host University on behalf of any of the Partner Institutions. Amendments shall be executed in writing by the CESU Network National Office. Amendments shall be signed by all signatories to this Agreement, except in cases described in Sections C.2. and C.3. (below). Unless otherwise specified, all terms and conditions of the CESU Agreement apply to the Amendment, and once fully executed the Amendment is made part of the Agreement.
2. For Amendments for which the sole purpose is to add a Partner Institution and/or Federal Agency to this Agreement, the Partner Institution and/or Federal Agency being added to the Agreement and the Host University shall sign the Amendment. New Partner Institutions and/or Federal Agencies shall be approved and added in accordance with the CESU Council guidance, as posted on the CESU Network website (www.cesu.org). All partners shall receive prior notification of amendments.

3. For amendments for which the sole purpose is to incorporate administrative changes that do not affect the intent, execution, and implementation of the terms of this Agreement, such as Partner changes or modifications as required by federal (e.g., OMB) financial assistance regulations, the Partner Institution and/or Federal Agency requesting the administrative change and the Host University shall sign the amendment. Such amendments shall be made at the discretion of the CESU Council and all partners shall receive prior notification of amendments.

D. For the purposes of this Agreement, modifications or task agreements are specific two-party Agreements between one of the Federal Agencies and the Host University and/or a Partner Institution in support of the goals of this broad Agreement. Modifications or task agreements will be issued by a Federal Agency, will transfer funds to support the statement of work, and will conform to each Federal Agency’s respective procedures.

E. A separate Interagency Agreement is required to facilitate transfer of funds from one federal agency to another federal agency.

F. The expiration of this Agreement will not affect the validity or duration of projects which have been initiated under this Agreement prior to such expiration.

ARTICLE IV. KEY OFFICIALS

A. The representatives for the Federal Agencies are as follows:

1. **Bureau of Indian Affairs**
   
   Technical Representative(s)
   
   Rachael Novak  
   Tribal Resilience Coordinator  
   Bureau of Indian Affairs  
   1001 Indian School Road NW  
   Bldg 1, 321-A  
   Albuquerque, NM 87104  
   Phone: (505) 563-5253  
   Mobile: (202) 510-5198  
   rachael.novak@bia.gov

   Administrative Representative(s)
   
   Jo Ann Metcalfe  
   Grants Management Specialist  
   Bureau of Indian Affairs  
   12220 Sunrise Valley Drive  
   Reston, VA 20191  
   Phone: (703) 390-6410  
   jo.metcalfe@bia.gov

2. **Bureau of Land Management**

   Technical Representative(s)
Anthony D. Bobo, Jr.
Deputy State Director
BLM Eastern States
5275 Leesburg Pike
Falls Church, VA 22041
Phone: (703) 558-7723
a1bobobo@blm.gov


Technical Representative(s)
Paul Knorr
Geologist
Marine Minerals Division
Bureau of Ocean Energy Management
45600 Woodland Road, MS-VAM-LD
Sterling, VA 20166
Phone: (703) 787-1524
paul.knorr@boem.gov

Administrative Representative(s)
Briana Robinson
Budget Analyst
Office of Environmental Programs
Bureau of Ocean Energy Management
45600 Woodland Road, MS-VAM-OEP
Sterling, VA 20166
Phone: (703) 787-1754
briana.robinson@boem.gov

4. U.S. Fish and Wildlife Service

Technical Representative(s)
Genevieve Pullis LaRouche
Field Office Supervisor
Chesapeake Bay Field Office
U.S. Fish and Wildlife Service
Annapolis, MD 21401
Phone: (202) 341-5882
genevieve_larouche@fws.gov

Administrative Representative(s)
Anna-Marie York
Grants Management Specialist
Science Applications
U.S. Fish and Wildlife Service
5275 Leesburg Pike
Falls Church, VA 22041
Phone: (703) 358-1881
anna-marie_york@fws.gov

5. U.S. Geological Survey

Technical Representative(s)
Tom O'Connell
Director
USGS Eastern Ecological Science Center
11649 Leetown Road
Kearneysville, WV 25430
Phone: (304) 724-4401
Mobile: (304) 620-3759
Fax: (304) 724-4410
toconnell@usgs.gov

Administrative Representative(s)
Faith Graves
Contracting Officer
U.S. Geological Survey
12201 Sunrise Valley Drive, MS205G
Reston, VA 20192
Phone: (703) 648-7356
Fax: (703) 648-7901
fgraves@usgs.gov

6. National Park Service
7. U.S. Forest Service

Technical Representative(s)

Elizabeth Larry
Assistant Station Director for Research
Northern Research Station
U.S. Forest Service
5523 Research Park Drive, Suite 350
Baltimore, MD 21228-4783
Phone: (443) 543-5386
elizabeth.b.larry@usda.gov

Administrative Representative(s)

Jerry Elian
Grants Management Specialist
Northern Research Station
U.S. Forest Service
1992 Folwell Avenue
St. Paul, MN 55108-1034
Phone: (651) 649-5155 Office
jerry.s.elian@usda.gov

8. Natural Resources Conservation Service

Technical Representative(s)

Ronald Harris
Director
Outreach and Partnerships Division
USDA Natural Resources Conservation Service
1400 Independence Avenue SW / Room 6006-S
Washington, DC 20250
Phone: (202) 720-6646
ronald.harris@usda.gov

Administrative Representative(s)

Aileen Anderson
Grants Management Specialist
Quality Assurance Branch 1
Grants and Agreements Division
Farm Production and Conservation – Business Center (FPAC-BC)
U.S. Department of Agriculture
Watertown Service Center
21168 State Route 232
Watertown, NY 13601-0838
Phone: (315) 221-5884
Fax: (855) 401-1956
aileen.anderson@usda.gov
9. **National Oceanic and Atmospheric Administration**

*Technical Representative(s)*

Jon Hare  
Science and Research Director  
Northeast Fisheries Science Center  
NOAA Fisheries Service  
166 Water Street  
Woods Hole, MA 02543  
Phone: (508) 495-2000  
jon.hare@noaa.gov

*Administrative Representative(s)*

Michael Liddel  
Branch Chief, Commercial Fishery Statistics  
Program Director, Fishery Information System (FIS)  
Office of Science and Technology  
NOAA Fisheries Service  
1315 East-West Highway, Room 12441  
Silver Spring, MD 20910-3282  
Phone: (301) 427-8139  
michael.liddel@noaa.gov

10. **Office of the Assistant Secretary of Defense for Sustainment**

*Technical Representative(s)*

Chris Peterson  
Senior Natural Resources Specialist  
NAVFAC Atlantic  
6506 Hampton Blvd  
Norfolk, VA 23508  
Phone: (757) 322-4560  
chris.petersen@navy.mil

Elizabeth Galli-Noble  
Senior Natural Resources Program Manager  
DoD Legacy and Natural Resources Programs  
4800 Mark Center Drive, Suite 16F16

11. **U.S. Army Corps of Engineers—Civil Works**

*Technical Representative(s)*

Jennifer Seiter-Moser  
Acting Technical Director  
Civil Engineering Programs  
Engineer Research and Development Center  
U.S. Army Corps of Engineers  
3909 Halls Ferry Road  
Vicksburg, MS 39180  
Phone: (601) 634-3750  
jennifer.m.seiter-moser@usace.army.mil

*Administrative Representative(s)*

Sherry Whitaker  
CESU Program Manager  
Engineer Research and Development Center  
U.S. Army Corps of Engineers  
3909 Halls Ferry Road  
Vicksburg, MS 39180  
Phone: (601) 634-2990  
sherry.l.whitaker@usace.army.mil

12. **National Aeronautics and Space Administration**

Alexandria, VA 22350  
Phone: (571) 372-8299  
Mobile: (406) 581-8148  
elizabeth.j.galli-noble.civ@mail.mil  
elizabeth.galli-nobl@ag.tamu.edu

Lori Kruse-Johnson  
SWD CESU Program Manager  
U.S. Army Corps of Engineers - Tulsa District  
2488 E 81st Street  
Tulsa, OK 74137  
Phone: (918) 810-9419  
Lori.M.Kruse-Johnson@usace.army.mil

Sherry Whitaker  
CESU Program Manager  
Engineer Research and Development Center  
U.S. Army Corps of Engineers  
3909 Halls Ferry Road  
Vicksburg, MS 39180  
Phone: (601) 634-2990  
sherry.l.whitaker@usace.army.mil

Elizabeth Galli-Noble  
Senior Natural Resources Program Manager  
DoD Legacy and Natural Resources Programs  
4800 Mark Center Drive, Suite 16F16
B. The representatives for the Host University, The University System of Maryland, are:

**Technical Representative(s)**

Matthew Fitzpatrick  
Professor  
Appalachian Laboratory  
University of Maryland Center for Environmental Science  
301 Braddock Road  
Frostburg, MD 21532  
Phone: (301) 689-7131  
mfitzpatrick@umces.edu

Rhonda Schwinabart  
Coordinator of External Affairs  
Appalachian Laboratory (Host)  
University of Maryland Center for Environmental Science  
301 Braddock Road  
Frostburg, MD 21532  
Phone: (301) 689-7102  
Fax: (301) 689-7200  
ruschwinabart@umces.edu

Katie Klein  
Laboratory Manager  
Appalachian Laboratory  
University of Maryland Center for Environmental Science  
301 Braddock Road  
Frostburg, MD 21532  
Phone: (301) 689-7122  
kkline@umces.edu

Ginger Steelman  
Assistant Director  
Office of Research Administration and Advancement  
University of Maryland Center for Environmental Science  
PO Box 775  
Cambridge, MD 21613  
Phone: (410) 221-2014  
gsteelman@umces.edu

C. The representatives for the Partner Institutions are as follows:

1. **University of Maryland, Baltimore County**

   **Technical Representative(s)**

   Christopher Swan  
   Professor  
   Department of Geography and Environmental Systems  
   216 Interdisciplinary Life Sciences Building

   **Administrative Representative(s)**

   Rebecca O'Brien, MPP  
   Grants and Contracts Manager  
   Office of Sponsored Programs

   University of Maryland, Baltimore County  
   1000 Hilltop Circle  
   Baltimore, MD 21250  
   Phone: (410) 455-3957  
   Chris.Swan@umbc.edu

   University of Maryland, Baltimore County  
   1000 Hilltop Circle  
   Baltimore, MD 21250  
   Phone: (410) 455-3957  
   Chris.Swan@umbc.edu
2. University of Maryland, College Park

Technical Representative(s)
Lance T. Yonkos
Associate Professor
Department of Environmental Science and Technology
1431 Animal Sciences Agriculture Engineering Building
University of Maryland
8127 Regents Drive
College Park, MD 20742-2315
Phone: (301) 405-7871
lyonkos@umd.edu

Administrative Representative(s)
Wendy Montgomery
Director, Office of Research Administration
3126 Lee Building
University of Maryland
7809 Regents Drive
College Park, MD 20742-5141
Phone: (301) 405-6279
wmont@umd.edu

3. University of Maryland Eastern Shore

Technical Representative(s)
Maurice Crawford
Associate Professor
Department of Natural Science
2101 Carver Hall
University of Maryland Eastern Shore
Princess Anne, MD 21853
Phone: (410) 651-8447
mkcrawford@umes.edu

4. Bowie State University

Technical Representative(s)
Gina Lewis
Associate Professor, Art Program Coordinator, Studio Art
Department of Fine and Performing Arts
Bowie State University
14000 Jericho Park Road
Bowie, MD 20715
Phone: (301) 860-3715
Mobile: (301) 445-4462
Fax: (301) 860-3767
glewis@bowiestate.edu

Administrative Representative(s)
Anika Bissahoyo
Director, Office of Sponsored Projects and Research
Bowie State University
14000 Jericho Park Road
Bowie, MD 20715
Phone: (301) 860-4399
abissahoyo@bowiestate.edu

5. Frostburg State University

Technical Representative(s)
Thomas Serfass
6. Towson University

Technical Representative(s)
Richard Seigel
Professor, Department of Biological Sciences
Towson University
8000 York Road
Towson, MD 21252
Phone: (410) 704-3123
Fax: (410) 704-2405
rseigel@towson.edu

Administrative Representative(s):
Nancy Dufau
Assistant Vice President
Office of Sponsored Programs and Research
Towson University
Administrative Building, 2nd Floor
8000 York Road
Towson, MD 21252
Phone: (410) 704-5822
ndufau@towson.edu

7. American University

Technical Representative(s)
Kim Blankenship
Professor, Department of Sociology
Associate Dean of Research
College of Arts and Sciences
G-15 Watkins Building
American University
4400 Massachusetts Avenue NW
Washington, DC 20016
Phone: (202) 885-6211
blankens@american.edu

Administrative Representative(s)
Vibeke Svensson
Director, Office of Sponsored Programs
American University
4801 Massachusetts Ave NW, Room 309
Washington, DC 20016
Phone: (202) 885-3980
svensson@american.edu

8. Anne Arundel Community College

Technical Representative(s)
Tammy Domanski
Director, Environmental Center
Anne Arundel Community College
101 College Parkway
Arnold, MD 21012
Phone: (410) 777-2274
tldomanski@aacc.edu

Administrative Representative(s)
Susan Gallagher
Director, Office of Sponsored Programs
Anne Arundel Community College
101 College Parkway
Arnold, MD 21012
Phone: (410) 777-2124
sgallagher5@aacc.edu

9. Binghamton University
Technical Representative(s)
Carl Lipo
Professor, Department of Anthropology
Associate Dean for Research and Programs
Harpur College of Arts and Sciences
Binghamton University
PO Box 6000
Binghamton, NY 13902-6000
Phone: (607) 777-4306
clipo@binghamton.edu

Administrative Representative(s):
Tanja deMauro
Director, Office of Sponsored Programs
Binghamton University
PO Box 6000
Binghamton, NY 13902-6000
Phone: (607) 777-6136
tdemaus@binghamton.edu

10. Bryn Mawr College
Technical Representative(s)
Thomas Mozdzer
Associate Professor of Biology
Bryn Mawr College
101 N Merion Avenue
Bryn Mawr, PA 19010
Phone: (610) 526-5098
Fax: (610) 526-5086
tmozdzer@brynmawr.edu

Administrative Representative(s):
Sarah Robertson
Director of Sponsored Research
Bryn Mawr College
101 N Merion Avenue
Bryn Mawr, PA 19010
Phone: (610) 526-5496
serobertson@brynmawr.edu

11. Christopher Newport University
Technical Representative(s)
Nicole R. Guajardo
Dean, College of Natural and Behavioral Sciences
Christopher Newport University
1 Avenue of the Arts
Forbes Hall 3035
Newport News, VA 23606
Phone: (757) 594-8214
nguajard@cnu.edu

Administrative Representative(s)
Anne Pascucci
Director, Office of Sponsored Programs
Christopher Newport University
Forbes Hall 2040
Newport News, VA 23606
Phone: (757) 594-7266
anne.pascucci@cnu.edu

12. College of William and Mary
Technical Representative(s)
Randolph Chambers
Director, Keck Environmental Field Laboratory
College of William and Mary
PO Box 8795
Williamsburg, VA 23187-8795
Phone: (757) 221-2311
rmcham@wm.edu

Administrative Representative(s)
Katherine Davis Small
Director, Office of Sponsored Programs
College of William and Mary
PO Box 8795
Williamsburg, VA 23187-8795
Phone: (757) 221-3965
khdavi@wm.edu

13. Delaware State University
Technical Representative(s)
Cherese Winstead-Casson  
Interim Dean, College of Agriculture and Related Sciences  
Delaware State University  
1200 N DuPont Highway, Annex Bldg  
Dover, DE 19901  
Phone: (302) 857-6400  
cwinstead@desu.edu

Administrative Representative(s)
Renee Jones  
Director, Office of Sponsored Programs  
Delaware State University  
1200 N DuPont Highway  
Dover, DE 19901  
Phone: (302) 857-6819  
rjones@desu.edu

14. Gallaudet University

Technical Representative(s)
Caroline Solomon  
Professor and Chair  
Department of Science, Technology, and Mathematics  
Gallaudet University  
800 Florida Ave NE  
Washington, DC 20002  
Phone: (202) 250-2370  
caroline.solomon@gallaudet.edu

Administrative Representative(s):
Audrey Foster  
Director, Office of Sponsored Programs  
Gallaudet University  
800 Florida Ave NE  
Washington, DC 20002  
Phone: (202) 651-5497  
audrey.foster@gallaudet.edu

15. Garrett College [withdrawn]

Technical Representative(s)
Kevin Dodge  
Professor of Wildlife and Biology  
Director, Natural Resources and Wildlife Technology Program  
Garrett College  
687-Mosser Road  
McHenry, MD 21541  
Phone: (301) 387-3328  
kevin.dodge@garrettcollege.edu

Administrative Representative(s):
Dallas Ouellette  
Dean of Business and Finance  
Garrett College  
687-Mosser Road  
McHenry, MD 21541  
Phone: (301) 387-3097  
dallas.ouellette@garrettcollege.edu

16. George Mason University

Technical Representative(s)
Paul Houser  
Professor of Global Hydrology  
Geography and Geoinformation Science  
George Mason University  
4400 University Drive  
Fairfax, VA 22030-4444  
Phone: (301) 613-3782  
phouser@gmu.edu

Administrative Representative(s):
Eileen Gallagher, JD  
Director, Contracts  
Office of Sponsored Programs  
George Mason University  
4400 University Drive, MS 4C6  
Fairfax, VA 22030  
Phone: (703) 993-2292  
egallagh@gmu.edu

17. George Washington University

Technical Representative(s)
Evangeline Downie

Chesapeake Watershed CESU Agreement 2021-2026  
Page 22 of 125
18. Hood College

Technical Representative(s)
Drew Ferrier
Professor, Department of Biology
Director, Center for Coastal and Watershed Studies
Hood College
401 Rosemont Avenue
Frederick, MD 21701
Phone: (301) 696-3660
dferrier@hood.edu

Administrative Representative(s):
Jaime Cacciola
Director of Grants and Sponsored Programs
Hood College
401 Rosemont Avenue
Frederick, MD 21701
Phone: (301) 696-3828
cacciola@hood.edu

19. Howard University

Technical Representative(s)
George Middendorf, III
Professor, Department of Biology
Howard University
415 College Street NW
Washington, DC 20059
Phone: (202) 806-7289
gmiddendorf@howard.edu

Linda Jones
Assistant Dean for Administration and Finance
Howard Graduate School
415 College Street NW
Washington, DC 20059
Phone: (202) 806-4676
lgjones@howard.edu

Administrative Representative(s)
Dana Hector, CRA
Executive Director
Research Administration
Howard University
2201 Georgia Avenue NW
Washington, DC 20059
Phone: (202) 806-4759
Fax: (202) 483-8042
dhector@howard.edu

20. Indiana University

Technical Representative(s)
Stephen Wolter
Executive Director, Eppley Institute for Parks and Public Lands
Indiana University
501 N Morton Street, Suite 101
Bloomington, IN 47404
Phone: (812) 855-7083
sawolter@indiana.edu

Administrative Representative(s):
Steven Martin
Associate Vice President
Office of Research Administration
Indiana University
509 E 3rd Street
Bloomington, IN 47401-3654
Phone: (812) 855-3963
stemarti@iu.edu
iuaward@iu.edu

21. Indiana University of Pennsylvania

Technical Representative(s)
Steve Hovan
Interim Dean, College of Natural Science and Mathematics
Indiana University of Pennsylvania
975 Oakland Avenue
Indiana, PA 15705
Phone: (724) 357-2609
hovan@iup.edu

Administrative Representative(s)
Hilliary Creely
Interim Dean, School of Graduate Studies and Research
Stright Hall, Room 129
Indiana University of Pennsylvania
210 South Tenth Street
Indiana, PA 15705-1081
Phone: (724) 357-1409
hcreely@iup.edu

22. James Madison University

Technical Representative(s)
Christie-Joy Brodrick Hartman
Professor, ISAT
Executive Director, Institute for Stewardship of the Natural World
Engineering/Geosciences 2137, MSC 1106
James Madison University
800 South Main Street
Harrisonburg, VA 22807
Phone: (540) 568-3202
brodricj@jmu.edu

Robert Brent
Professor, ISAT
ISAT/CS Building 327, MSC 4102
James Madison University
701 Carrier Drive,
Harrisonburg, VA 22807
Phone: (540) 568-2728
brentrn@jmu.edu

Christine May
Associate Professor
Department of Biology
Bioscience Bldg 1028D, MSC 7801
James Madison University
951 Carrier Drive
Harrisonburg, VA 22807
Phone: (540) 568-5030
maycl@jmu.edu

Administrative Representative(s)
Tamara Hatch
Director, Office of Sponsored Programs
James Madison University
Foundation Hall, MSC 5728
1031 Harrison Street
Harrisonburg, VA 22807
Phone: (540) 568-2350
hatchtt@jmu.edu

23. Johns Hopkins University

Technical Representative(s)
Jennifer Kingsley
Faculty Director and Senior Lecturer
Program in Museums and Society
Johns Hopkins University
3400 North Charles Street, 301 Gilman Hall
Baltimore, MD 21218
Phone: (410) 516-3188
Phone: (410) 516-7502
jkingsley@jhu.edu

Administrative Representative(s):
Mary Louise Healy
24. Lock Haven University

Technical Representative(s)

Daniel Spooner
Department of Biological Sciences
ECSC 204
Lock Haven University
401 N Fairview Street
Lock Haven, PA 17745
Phone: (570) 484-2596
des1053@lockhaven.edu

Jonathan Lindzey
Associate Provost and Dean, College of Natural, Behavioral, and Health Sciences
ECAM J108
Lock Haven University
401 N Fairview Street
Lock Haven, PA 17745
Phone: (570) 484-2204
jlindzey@lockhaven.edu

Administrative Representative(s)

Deana Hill
Chief Administration and Finance Officer
ECAM J204
Lock Haven University
401 N Fairview Street
Lock Haven, PA 17745
Phone: (570) 484-2014
dhill@lockhaven.edu

25. Longwood University

Technical Representative(s)

Brian Bates
Professor of Anthropology and Archaeology
Executive Director, Institute of Archaeology
Longwood University
201 High Street
Farmville, VA 23909
Phone: (434) 395-2875
batesbd@longwood.edu

Administrative Representative(s)

Alix Dowling Fink
Associate Provost for Research and Academic Initiatives
Professor of Biology
Longwood University
201 High Street
Farmville, VA 23909
Phone: (434) 395-2785 Lab
finkad@longwood.edu

26. Mansfield University

Technical Representative(s)

Jennifer Demchak
Chair, Department of Geosciences
Belknap 205B
Mansfield University
31 South Academy Street
Mansfield, PA 16933
Phone: (570) 662-4613
Fax: (570) 662-4126
jdemchak@mansfield.edu

Administrative Representative(s):

Phillip Swank
Director, Office of Grants and Sponsored Programs
521 North Hall
Mansfield University
31 South Academy Street
Mansfield, PA 16933
Phone: (570) 662-4809
pswank@mansfield.edu
27. Maryland Institute College of Art

Technical Representative(s)
Kiscia Cannon
Director, Office of Research
Maryland Institute College of Art
81 W Mosher Street
Baltimore, MD 21201
Phone: (410) 225-4110
kcannon01@mica.edu

28. Monmouth University

Technical Representative(s)
Keith Dunton
Assistant Professor
Department of Biology
Monmouth University
400 Cedar Avenue
West Long Branch, NJ 07764
Phone: (732) 571-4432
kdunton@monmouth.edu

Thomas Herrington
Associate Director
Urban Coast Institute
Monmouth University
400 Cedar Avenue
West Long Branch, NJ 07764
Phone: (732) 263-5588
therring@monmouth.edu

Administrative Representative(s)
Monique Burger
Interim Director, Office of Grants and Contracts
Monmouth University
400 Cedar Avenue
West Long Branch, NJ 07764
Phone: (732) 571-4491
mburger@monmouth.edu

29. Morgan State University

Technical Representative(s)
Scott Knoche
Director, PEARL
Morgan State University
10545 Mackall Road
St. Leonard, MD 20685
Phone: (443) 885-5931
scott.knoche@morgan.edu

Administrative Representative(s)
Timothy Akers
Assistant Vice President for Research Innovation and Advocacy
1700 East Cold Spring Lane
Baltimore, MD 21251
Phone: (443) 885-3798
timothy.akers@morgan.edu

30. Ohio University

Technical Representative(s)
Elissa Welch
Project Manager
Voinovich School of Leadership and Public Service
Building 21, The Ridges
1 Ohio University
Athens, OH 45701-2979
Phone: (740) 537-0112
welche@ohio.edu

Administrative Representative(s)
Marta Gomez
Research Support Manager
104A RTEC
1 Ohio University
Athens, OH 45701
740-597-6777
gomezm@ohio.edu

31. Old Dominion University

Technical Representative(s)
Thomas Allen
Professor, Political Science and Geography

Chesapeake Watershed CESU Agreement 2021-2026
713 Batten Arts and Letters
Old Dominion University
Norfolk, VA 23529
Phone: (757) 683-6059
tallen@odu.edu

Administrative Representative(s):
Richard Brammer
Manager, Sponsored Programs
Old Dominion University Research Foundation
4111 Monarch Way Suite 201
Norfolk, VA 23529
Phone: (757) 683-7224
rbrammer@odu.edu

32. The Pennsylvania State University

Technical Representative(s)
Lara Fowler
Assistant Director for Outreach and Engagement
Institutes of Energy and the Environment
Land and Water Research Building
The Pennsylvania State University
University Park, PA 16802
Phone: (814) 863-0291
lbf10@psu.edu

Gwendolyn Bryson
Managing Director
Institutes of Energy and the Environment
Land and Water Research Building
The Pennsylvania State University
University Park, PA 16802
Phone: (814) 863-0292
gqb5236@psu.edu

Administrative Representative(s)
Tim Stodart
Associate Director, Office of Sponsored Programs
110 Technology Center Building
The Pennsylvania State University
University Park, PA 16802
Phone: (814) 865-1027
tms21@psu.edu

33. St. Mary’s College of Maryland

Technical Representative(s)
Sabine Dillingham
Director of Research and Sponsored Programs
St. Mary’s College of Maryland
47645 College Drive
St. Mary’s City, MD 20686
Phone: (240) 895-4192
sldillingham@smcm.edu

Administrative Representative(s)
Paul A. Pusecker III
Vice President for Business and CFO
St. Mary’s College of Maryland
47645 College Drive
St. Mary’s City, MD 20686
Phone: (240) 895-4413
papusecker@smcm.edu

34. Shepherd University

Technical Representative(s)
Robert Warburton
Professor of Biochemistry
Dean, College of Science, Technology, Engineering, and Mathematics
Shepherd University
301 N King Street
Shepherdstown, WV 25434
Phone: (304) 876-5227
rwarburt@shepherd.edu

Administrative Representative(s)
Madge Morningstar
Director, Office of Sponsored Programs
Shepherd University
301 N King Street
35. Shippensburg University

Technical Representative(s)
Claire Jantz
Professor, Department of Geography and Earth Science
Shippensburg University
1871 Old Main Drive
Shippensburg, PA 17257
Phone: (717) 477-1399
cajant@ship.edu

Administrative Representative(s)
Christopher Wonders
Director, Institute for Public Service and Sponsored Programs
Shippensburg University
1871 Old Main Drive
Shippensburg, PA 17257
Phone: (717) 477-1251
cawonders@ship.edu

36. Smithsonian Institution

Technical Representative(s)
Scott Miller
Chief Scientist
Office of the Under Secretary for Science and Research
Smithsonian Institution
PO Box 37012, MRC 040
Washington, DC 20013-7012
Phone: (202) 633-5132
MillerS@si.edu

Administrative Representative(s)
Karen Otiji
Acting Director, Office of Sponsored Projects
Smithsonian Institution
PO Box 37012, MRC 1205
Washington, DC 20013-7012
Phone: (202) 633-7111
Mobile: (202) 285-9432
Fax: (202) 312-2823
OtijiK@si.edu

37. Temple University

Technical Representative(s)
Michele Masucci
Vice President for Research
Temple University
1801 N Broad Street
Conwell Hall, 4th Floor, Suite 401
Philadelphia, PA 19122
Phone: (215) 204-6875
masucci@temple.edu

Administrative Representative(s):
Allison Shah
Associate Vice President for Research Administration
Temple University
1801 N Broad Street
Conwell Hall, 4th Floor, Suite 401
Philadelphia, PA 19122
Phone: (215) 206-2088
allison.shah@temple.edu

38. University of Delaware

Technical Representative(s)
Greg Shriver
Professor of Wildlife Ecology
Department of Entomology and Wildlife Ecology
257 Townsend Hall
University of Delaware
531 S. College Avenue
Newark, DE 19716
Phone: (302) 831-1300
gshriver@udel.edu

Administrative Representative(s)
James Lewis
Contract and Grants Specialist
39. University of the District of Columbia

Technical Representative(s)

Harris Trobman
Project Specialist for Green Infrastructure
Center for Sustainable Development and Resilience
College of Agriculture, Urban Sustainability and Environmental Sciences (CAUSES)
University of the District of Columbia
4250 Connecticut Avenue NW, Office 5115
Washington, DC 20008
Phone: (202) 274-6682
Mobile: (202) 365-4295
harris.trobman@udc.edu

Administrative Representative(s)

Laura Lee Davidson
Director, Office of Sponsored Programs | Compliance
University of the District of Columbia
4250 Connecticut Avenue NW, Floor 2
Washington, DC 20008
Phone: (202) 274-6260
Mobile: (202) 875-9443
lauralee.davidson@udc.edu

40. University of Mary Washington

Technical Representative(s)

Michael Spencer
Chair, Department of Historic Preservation

41. University of Pennsylvania

Technical Representative(s)

Randall Mason
Professor, Graduate Program in Historic Preservation
Department of City and Regional Planning
Weitzman School of Design
115 Meyerson Hall
University of Pennsylvania
210 South 34th Street
Philadelphia, PA 19104-6311
Phone: (215) 898-3169
rfmason@design.upenn.edu

Administrative Representative(s)

Elizabeth Peloso
Associate Vice President and Associate Vice Provost
Office of Research Services
5th Floor, Franklin Building
University of Pennsylvania
3451 Walnut Street
Philadelphia, PA 19104-6205
Phone: (215) 746-0234
epeloso@upenn.edu
42. University of Richmond

Technical Representative(s)
Todd Lookingbill
Associate Professor and Chair
Department of Geography and the Environment
311 Carole Weinstein International Center
211 Richmond Way
University of Richmond, VA 23173
Phone: (804) 289-8265
tlooking@richmond.edu

Administrative Representative(s)
Brenda Thomas
Director of Grant Support
Office of Foundation, Corporate, and Government Relations
118 UR Drive
University of Richmond, VA 23173
Phone: (804) 289-8005
bthomas2@richmond.edu

44. Virginia Commonwealth University

Technical Representative(s)
Gregory Garman
Director, VCU Rice Rivers Center
Virginia Commonwealth University
1000 West Cary Street
Richmond, VA 23284
Phone: (804) 828-1574
ggarman@vcu.edu

Administrative Representative(s)
Nick Fetzer
Director of Sponsored Programs, VCU Life Sciences
Trani Center for Life Sciences
Virginia Commonwealth University
1000 West Cary Street, Suite 111
Richmond, VA 23284-2030
Phone: (804) 827-0336
nbfetzer@vcu.edu

43. The Rector and Visitors of the University of Virginia

Technical Representative(s)
Todd Scanlon
Professor, Department of Environmental Sciences
Clark Hall 376A
University of Virginia
291 McCormick Road
Charlottesville, VA 22904
Phone: (434) 924-3382
tms2v@virginia.edu

Administrative Representative(s)
Stewart Craig
Executive Director, Office of Sponsored Programs
University of Virginia
1001 N Emmet Street
Charlottesville, VA 22903
Phone: (434) 924-4270

45. Virginia Institute of Marine Science

Technical Representative(s)
Mark Luckenbach
Associate Dean for Research and Advisory Services
Virginia Institute of Marine Science
1375 Greate Road
Gloucester Point, VA 23062-2026
Phone: (804) 684-7108
luck@vims.edu

Administrative Representative(s)
Connie Motley
Director, Office of Sponsored Programs
Virginia Institute of Marine Science
1375 Greate Road
Gloucester Point, VA 23062-2026
Phone: (804) 684-7027
motley@vims.edu
46. **Virginia Polytechnic Institute and State University**

*Technical Representative(s)*

Joel Snodgrass  
Professor and Head  
Department of Fish and Wildlife Conservation  
100 Cheatham Hall  
Virginia Tech  
310 West Campus Drive  
Blacksburg, VA 24061  
Phone: (540) 231-2215  
joels@vt.edu

Paul Kelsch  
Associate Professor, Department of Landscape Architecture  
School of Architecture and Design  
Virginia Tech Washington-Alexandria Architecture Center  
1001 Prince Street  
Alexandria, VA 22314  
Phone: (703) 566-6701  
pkelsch@vt.edu

*Administrative Representative(s)*

Rachel Meadows  
Contracts Specialist Team Lead  
Office of Sponsored Programs  
North End Center, Suite 4200  
Virginia Tech  
300 Turner Street NW  
Blacksburg, VA 24061  
Phone: (540) 231-3570  
ospcontracts@vt.edu

47. **West Virginia University**

*Technical Representative(s)*

Paul J. Kinder  
Director, Natural Resource Analysis Center  
West Virginia University  
P.O. Box 6108  
Morgantown, WV 26506-6108

*Administrative Representative(s):*

Cathy Tarabrella  
Sponsored Programs Administrator  
Office of Sponsored Programs  
West Virginia University  
886 Chestnut Ridge Road  
PO Box 6845  
Morgantown, WV 26506-6845  
Phone: (304) 293-7219  
Fax: (304) 293-7435  
cathy.tarabrella@mail.wvu.edu

48. **DC Department of Energy and Environment**

*Technical Representative(s)*

Matthew Robinson  
Environmental Protection Specialist  
Partnering and Environmental Conservation Branch  
Watershed Protection Division  
DC Department of Energy and Environment  
1200 First Street NE, 5th Floor  
Washington, DC 20002  
Phone: (202) 442-3204  
matthew.robinson@dc.gov

49. **Virginia Department of Conservation and Recreation**

*Technical Representative(s)*

Anne Chazal  
Chief Biologist  
VA DCR-DNH  
600 East Main Street, 16th floor  
Richmond, VA 23219  
Phone: (804) 786-9014  
anne.chazal@dcr.virginia.gov

50. **The Academy of Natural Sciences**

*Technical Representative(s)*
51. American Bird Conservancy

Technical Representative(s)

David Wiedenfeld
Senior Conservation Scientist
American Bird Conservancy
PO Box 249
4249 Loudoun Ave
The Plains, VA 20198-2237
Phone: (540) 253-5780
dwiedenfeld@abcbirds.org

Administrative Representative(s)

Lisa Miller
Vice President for Finance, CFO, and COO
The Academy of Natural Sciences
1900 Benjamin Franklin Pkwy
Philadelphia, PA 19103
Phone: (215) 299-1000
lmm457@drexel.edu

52. American Indian Higher Education Consortium

Technical Representative(s)

John Phillips

53. Association for the Study of African American Life and History

Technical Representative(s)

Evelyn Brooks Higginbotham
ASALH President
Chair, Department of History
Robinson Hall 202
Harvard University
Cambridge, MA 02138
Phone: (617) 495-2504
ebhiggin@fas.harvard.edu

Administrative Representative(s):

Sylvia Cyrus
Executive Director, ASALH
301 Rhode Island Avenue NW, Suite 2204
Washington, DC 20001
Phone: (202) 238-5910
scyrus@asalh.org

54. Association of African American Museums

Technical Representative(s)
LaNesha DeBardelaben
Executive Director
Northwest African American Museum
2300 South Massachusetts Street
Seattle, WA 98144
Phone: (206) 518-6000
LNDDebar@naamnw.org

Administrative Representative(s)
Vedet Coleman-Robinson
Executive Director
Association of African American Museums
PO Box 23698
Washington, DC 20026
Phone: (202) 633-2869
ED@blackmuseums.org

55. Conservation Science Global, Inc.

Technical Representative(s)
Adam Duerr
Director of Research
Conservation Science Global, Inc.
700 Washington Street, Suite 2085
Cape May, NJ 08204
Phone: (757) 903-5461
adam.duerr@consciglobal.org

Administrative Representative(s)
Tricia Miller
Executive Director
Conservation Science Global, Inc.
700 Washington Street, Suite 2085
Cape May, NJ 08204
Phone: (724) 216-3770
trish.miller@consciglobal.org

56. Ecological Society of America

Technical Representative(s)
Adrienne Sponberg
Director of Society Programs
Ecological Society of America
1990 M Street NW, Suite 700
Washington, DC 20036
Phone: (202) 833-8773 x 221
adrienne@esa.org

Administrative Representative(s)
Elizabeth Biggs
Chief Financial Officer
Ecological Society of America
1990 M Street NW, Suite 700
Washington, DC 20036
Phone: (202) 833-8773 x 203
Fax: (202) 833-8775
liz@esa.org

57. Live It, Learn It

Technical Representative(s)
Michelle Edwards
Executive Director
Live It, Learn It
735 8th Street SE, #300
Washington, DC 20003
Phone: (202) 546-6223
edwards@liveitlearnit.org

Administrative Representative(s)
Lauren Peters
Senior Director of Programs
Live It, Learn It
735 8th Street SE, #300
Washington, DC 20003
Phone: (202) 546-6223
development@liveitlearnit.org

58. National Aquarium

Technical Representative(s)
Laura Bankey
VP of Conservation Programs
National Aquarium
Pier 3, 501 East Pratt Street
Baltimore, MD 21202
Phone: (410) 659-4207
lbankey@aqua.org

Administrative Representative(s)
ARTICLE V. AWARD

A. Upon signature of all parties to this Agreement, the CESU Network National Office shall administer support funding to the Chesapeake Watershed CESU Host University in furtherance of the Agreement, to be authorized and executed by a
modification to the Agreement. The amount of funding shall be determined in accordance with CESU Council annual Host University support guidelines.

B. Payments will be made by the Federal Agencies for work in accordance with 2 CFR 200, as appropriate, and the related federal agency regulations, as applicable, specifically, 22 CFR Part 518 (Department of Defense), 10 U.S.C. § 2358, 33 U.S.C. § 2323(a), 10 U.S.C. § 3036(d), DOD 3210.6-R, and Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers-Civil Works).

C. A 17.5% indirect cost rate will be paid on work covered by the Agreement and all its modifications or task agreements, with exceptions listed in Article V. paragraphs C.1., C.2., and C.3. (below). Refer to agency-specific policy and guidance for additional information regarding approval and implementation under 2 CFR 200, as appropriate (e.g., DOI-AAAP-0007 [Department of the Interior]; FAM-2015-02 [Department of Commerce]).

1. The USFS cannot reimburse "state cooperative institutions" for indirect costs, pursuant to 7 U.S.C. § 3103(18) and 7 U.S.C. § 3319. Indirect costs may be used to satisfy USFS cost sharing requirements of at least a minimum of 20% of total project costs. It is recommended that cost-sharing is greater than 20% in accordance with the Forest Service Handbook FSH1509.11, Chapter 70.

2. For NRCS, the indirect cost rate is limited to 10% of total direct costs for colleges, universities, and other nonprofit organizations pursuant to Section 704 of Pub. L. 116-260.

3. No indirect cost will be charged by the Host University for funds transferred directly from a participating Federal Agency to a Partner Institution via a modification to the Agreement.

D. Award of additional funds or in-kind resources will be made through modifications to the Agreement subject to the rules, regulations, and policies of the individual Federal Agency proposing the modification.

E. Nothing herein shall be construed as obligating the Federal Agencies to expend, or as involving the Federal Agencies in any contract or other obligation for the future payment of money, in excess of appropriations authorized by law and administratively allocated for specific work.

ARTICLE VI. PRIOR APPROVAL

Prior approvals are in accordance with 2 CFR 200, as appropriate, and the related federal agency regulations, as applicable, specifically 22 CFR Part 518 (Department of Defense), 10 U.S.C. § 2358, 33 U.S.C. § 2323(a), 10 U.S.C. § 3036(d), DOD
ARTICLE VII. REPORTS AND/OR DELIVERABLES

A. Reports in accordance with 2 CFR 200, as appropriate, and the related federal agency regulations, as applicable, specifically 22 CFR Part 518 (Department of Defense), 10 U.S.C. § 2358, 33 U.S.C. § 2323(a), 10 U.S.C. § 3036(d), DOD 3210.6-R, and Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers–Civil Works) establish uniform reporting procedures for financial and technical reporting.

B. As appropriate, the Host University will convene periodic meetings of Chesapeake Watershed CESU Federal Agencies and Partner Institutions for the purpose of collaboration and coordination of CESU activities. Copies of the meeting minutes will be available to all parties to the Agreement.

C. A current role and mission statement for the Chesapeake Watershed CESU will be agreed to and maintained by all Chesapeake Watershed CESU cooperators. Copies of the role and mission statement will be available to all parties to the Agreement.

D. Annual work plans will be developed to guide the specific activities of the Chesapeake Watershed CESU and will:
   1. Describe the Chesapeake Watershed CESU’s ongoing and proposed research, technical assistance, and education activities;
   2. Describe anticipated projects and products; and
   3. Identify faculty, staff, and students involved in the Chesapeake Watershed CESU during the year.

Copies of the annual work plan will be available to all parties to the Agreement.

E. A current multi-year strategic plan will be maintained to generally guide the Chesapeake Watershed CESU. Copies of the strategic plan will be available to all parties to the Agreement.

ARTICLE VIII. PROPERTY UTILIZATION AND DISPOSITION

Property utilization and disposition is in accordance with 2 CFR 200, as appropriate, and the related federal agency regulations, as applicable, specifically 22 CFR Part 518 (Department of Defense), 10 U.S.C. § 2358, 33 U.S.C. § 2323(a), 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

Termination of this Agreement is in accordance with 2 CFR 200, as appropriate, and the related federal agency regulations, as applicable, specifically 22 CFR Part 518 (Department of Defense), 10 U.S.C. § 2358, 33 U.S.C. § 2323(a), 10 U.S.C. § 3036(d), DOD 3210.6-R, and Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers-Civil Works). Any party to this Agreement may terminate its participation by delivery of ninety (90) days advance written notice to each of the Federal Agencies and the Host University.

ARTICLE X: REQUIRED/SPECIAL PROVISIONS

A. REQUIRED PROVISIONS:

1. NON-DISCRIMINATION: All activities pursuant to this Agreement and the provisions of Executive Order 11246; shall be in compliance with applicable requirements of Title VI of the Civil Rights Act of 1964 (78 Stat. 252 42 U.S.C. § 2000d et seq.); Title V, Section 504 of the Rehabilitation Act of 1973 (87 Stat. 394; 29 U.S.C. § 794); the Age Discrimination Act of 1975 (89 Stat. 728; 42 U.S.C. § 6101 et seq.); and with all other applicable Federal laws and regulations prohibiting discrimination on grounds of race, color, national origin, disability, religion, or sex in providing of facilities and services to the public.

2. CONSISTENCY WITH PUBLIC LAWS: Nothing herein contained shall be deemed to be inconsistent with or contrary to the purpose of or intent of any Act of Congress establishing, affecting, or relating to the Agreement.

3. APPROPRIATIONS (Anti-Deficiency Act, 31 U.S.C. § 1341): Nothing herein contained in this Agreement shall be construed as binding the Federal Agencies to expend in any one fiscal year any sum in excess of appropriations made by Congress, for the purposes of this Agreement for that fiscal year, or other obligation for the further expenditure of money in excess of such appropriations.

4. OFFICIALS NOT TO BENEFIT: No Member of, Delegate to, or Resident Commissioner in, Congress shall be admitted to any share or part of this Agreement or to any benefit to arise therefrom.

5. LOBBYING PROHIBITION: The parties will abide by the provisions of 18 U.S.C. § 1913 (Lobbying with Appropriated Moneys), which states:
No part of the money appropriated by any enactment of Congress shall, in the absence of express authorization by Congress, be used directly or indirectly to pay for any personal service, advertisement, telegram, telephone, letter, printed or written matter, or other device, intended or designed to influence in any manner a Member of Congress, a jurisdiction, or an official of any government, to favor, adopt, or oppose, by vote or otherwise, any legislation, law, ratification, policy or appropriation, whether before or after the introduction of any bill, measure, or resolution proposing such legislation, law, ratification, policy, or appropriation; but this shall not prevent officers or employees of the United States or of its departments or agencies from communicating to any such Member or official, at his request, or to Congress or such official, through the proper official channels, requests for any legislation, law, ratification, policy, or appropriations which they deem necessary for the efficient conduct of the public business, or from making any communication whose prohibition by this section might, in the opinion of the Attorney General, violate the Constitution or interfere with the conduct of foreign policy, counter-intelligence, intelligence, or national security activities.

6. LIABILITY PROVISION:

a) Governmental Parties

(1) The Federal Agencies (excluding the U.S. Forest Service), Host University, and Partner Institutions which are governmental parties, each accept responsibility for any property damage, injury, or death caused by the acts or omissions of their respective employees, acting within the scope of their employment, to the fullest extent permitted by their respective applicable laws, including laws concerning self-insurance.

(2) To the extent work by governmental parties is to be performed through sub-contract by non-governmental entities or persons, the governmental party sub-contracting work will require that subcontracted entity or person to meet provisions (1), (2), and (3) for non-governmental parties stated below.

(3) This provision is applicable to the U.S. Forest Service acting by and through the Forest Service, USDA does hereby recognize potential liability for payment of claims for injury or loss of property of personal injury or death caused by the Government, or any officer, agent or employee thereof, while acting within the scope of his/her office of employment under circumstances when the United States, if a private person, would be liable to the claimant in accordance with the law of the place where the act or omission occurred (28 U.S.C. §§1346 (b), 2672 et seq.).
b) Non-governmental Parties: Work provided by non-governmental entities or persons, will require that entity or person to:

(1) Have public and employee liability insurance from a responsible company or companies with a minimum limitation of one million dollars ($1,000,000) per person for any one claim, and an aggregate limitation of three million dollars ($3,000,000) for any number of claims arising from any one incident. In subsequent modifications, the parties may negotiate different levels of liability coverage, as appropriate. The policies shall name the United States as an additional insured, shall specify that the insured shall have no right of subrogation against the United States for payments of any premiums or deductibles due thereunder, and shall specify that the insurance shall be assumed by, be for the account of, and be at the insured's sole risk; and

(2) Pay the United States the full value for all damages to the lands or other property of the United States caused by such person or organization, its representatives, or employees; and

(3) Indemnify, save and hold harmless, and defend the United States against all fines, claims, damages, losses, judgments, and expenses arising out of, or from, any omission or activity of such person or organization, its representatives, or employees.

(4) Non-governmental Partner Institutions shall provide the Federal Agencies confirmation of such insurance coverage, prior to beginning specific work authorized herein and specified in subsequent modifications.

7. TRAFFICKING IN PERSONS: This Agreement and its subsequent modifications and task agreements are subject to requirements of section 106(g) of the Trafficking Victims Protection Act of 2000, as amended (22 U.S.C. § 7104); now located at 2 CFR Part 175: Trafficking in Persons.

a) Provisions applicable to a recipient that is a private entity.

(1) You as the recipient, your employees, subrecipients under this award, and subrecipients’ employees may not—

i Engage in severe forms of trafficking in persons during the period of time that the award is in effect;

ii Procure a commercial sex act during the period of time that the award is in effect; or

iii Use forced labor in the performance of the award or subawards under the award.
(2) We as the Federal awarding agency may unilaterally terminate this award, without penalty, if you or a subrecipient that is a private entity—

i Is determined to have violated a prohibition in paragraph (a) (1) of this award term; or

ii Has an employee who is determined by the agency official authorized to terminate the award to have violated a prohibition in paragraph (a) (1) of this award term through conduct that is either—

(a) Associated with performance under this award; or

(b) Imputed to you or the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 CFR part 180, “OMB Guidelines to Agencies on Government wide Debarment and Suspension (Nonprocurement),” as implemented by each respective federal agency partner at: 2 CFR Part 1125 (Department of Defense), 2 CFR Part 1326 (Department of Commerce), 2 CFR 1400 (Department of the Interior), and 7 CFR Part 3017 (Department of Agriculture).

b) Provision applicable to a recipient other than a private entity. We as the Federal awarding agency may unilaterally terminate this award, without penalty, if a subrecipient that is a private entity—

(1) Is determined to have violated an applicable prohibition in paragraph (a) (1) of this award term; or

(2) Has an employee who is determined by the agency official authorized to terminate the award to have violated an applicable prohibition in paragraph (a) (1) of this award term through conduct that is either—

i Associated with performance under this award; or

ii Imputed to the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 CFR part 180, “OMB Guidelines to Agencies on Government wide Debarment and Suspension (Nonprocurement),” as implemented by our agency at 2 CFR Part 1125 (Department of Defense), 2 CFR Part 1326 (Department of Commerce), 2 CFR 1400 (Department of the Interior), and 7 CFR Part 3017 (Department of Agriculture).

c) Provisions applicable to any recipient.
(1) You must inform us immediately of any information you receive from any source alleging a violation of a prohibition in paragraph (a) (1) of this award term.

(2) Our right to terminate unilaterally that is described in paragraph (a) (2) or (b) of this section:
   
   i  Implements section 106(g) of the Trafficking Victims Protection Act of 2000 (TVPA), as amended (22 U.S.C. § 7104(g)), and
   
   ii Is in addition to all other remedies for noncompliance that are available to us under this award.

(3) You must include the requirements of paragraph (a) (1) of this award term in any subaward you make to a private entity.

d) **Definitions.** For purposes of this award term:

(1) “Employee” means either:

   i An individual employed by you or a subrecipient who is engaged in the performance of the project or program under this award; or

   ii Another person engaged in the performance of the project or program under this award and not compensated by you including, but not limited to, a volunteer or individual whose services are contributed by a third party as an in-kind contribution toward cost sharing or matching requirements.

(2) “Forced labor” means labor obtained by any of the following methods: the recruitment, harboring, transportation, provision, or obtaining of a person for labor or services, through the use of force, fraud, or coercion for the purpose of subjection to involuntary servitude, peonage, debt bondage, or slavery.

(3) “Private entity” means any entity other than a State, local government, Indian tribe, or foreign public entity, as those terms are defined in 2 CFR 175.25. Includes:

   i A nonprofit organization, including any nonprofit institution of higher education, hospital, or tribal organization other than one included in the definition of Indian tribe at 2 CFR 175.25(b).

   ii A for-profit organization.
(4) “Severe forms of trafficking in persons,” “commercial sex act,” and “coercion” have the meanings given at section 103 of the TVPA, as amended (22 U.S.C. § 7102).

8. TEXT MESSAGING WHILE DRIVING. In accordance with Executive Order (EO) 13513, “Federal Leadership on Reducing Text Messaging While Driving,” the following actions by Federal employees are banned: a) any and all text messaging by while driving a Government owned vehicle (GOV) or driving a privately owned vehicle (POV) while on official Government business; or b) using any electronic equipment supplied by the Government when driving any vehicle at any time. All cooperators, their employees, volunteers, and contractors are encouraged to adopt and enforce policies that ban text messaging when driving company owned, leased or rented vehicles, POVs or GOVs when driving while on official Government business or when performing any work for or on behalf of the Government.

9. MINIMUM WAGES UNDER EXECUTIVE ORDER 13658

a) Definitions. As used in this clause—

“United States” means the 50 states and the District of Columbia.

“Worker”—

(1) Means any person engaged in performing work on, or in connection with, an agreement covered by Executive Order 13658, and

i Whose wages under such agreements are governed by the Fair Labor Standards Act (29 U.S.C. chapter 8), the Service Contract Labor Standards statute (41 U.S.C. chapter 67), or the Wage Rate Requirements (Construction) statute (40 U.S.C. chapter 31, subchapter IV),

ii Other than individuals employed in a bona fide executive, administrative, or professional capacity, as those terms are defined in 29 C.F.R. § 541,

iii Regardless of the contractual relationship alleged to exist between the individual and the employer.

(2) Includes workers performing on, or in connection with, the agreement whose wages are calculated pursuant to special certificates issued under 29 U.S.C. § 214(c).

(3) Also includes any person working on, or in connection with, the agreement and individually registered in a bona fide apprenticeship or training
program registered with the Department of Labor’s Employment and Training Administration, Office of Apprenticeship, or with a State Apprenticeship Agency recognized by the Office of Apprenticeship.

b) **Executive Order Minimum Wage Rate.**

(1) The Recipient shall pay to workers, while performing in the United States, and performing on, or in connection with, this agreement, a minimum hourly wage rate of $10.10 per hour beginning January 1, 2015.

(2) The Recipient shall adjust the minimum wage paid, if necessary, beginning January 1, 2016 and annually thereafter, to meet the Secretary of Labor’s annual E.O. minimum wage. The Administrator of the Department of Labor’s Wage and Hour Division (the Administrator) will publish annual determinations in the Federal Register no later than 90 days before the effective date of the new E.O. minimum wage rate. The Administrator will also publish the applicable E.O. minimum wage on www.wdol.gov (or any successor Web site) and on all wage determinations issued under the Service Contract Labor Standards statute or the Wage Rate Requirements (Construction) statute. The applicable published E.O. minimum wage is incorporated by reference into this agreement.

(3) (i) The Recipient may request a price adjustment only after the effective date of the new annual E.O. minimum wage determination. Prices will be adjusted only if labor costs increase as a result of an increase in the annual E.O. minimum wage, and for associated labor costs and relevant subaward costs. Associated labor costs shall include increases or decreases that result from changes in social security and unemployment taxes and workers’ compensation insurance, but will not otherwise include any amount for general and administrative costs, overhead, or profit.

(ii) Subrecipients may be entitled to adjustments due to the new minimum wage, pursuant to paragraph (b)(2). Recipients shall consider any Subrecipient requests for such price adjustment.

(iii) The Awarding Officer will not adjust the agreement price under this clause for any costs other than those identified in paragraph (b)(3)(i) of this clause, and will not provide duplicate price adjustments with any price adjustment under clauses implementing the Service Contract Labor Standards statute or the Wage Rate Requirements (Construction) statute.
(4) The Recipient warrants that the prices in this agreement do not include allowance for any contingency to cover increased costs for which adjustment is provided under this clause.

(5) The Recipient shall pay, unconditionally to each worker, all wages due free and clear without subsequent rebate or kickback. The Recipient may make deductions that reduce a worker's wages below the E.O. minimum wage rate only if done in accordance with 29 C.F.R. § 10.23, Deductions.

(6) The Recipient shall not discharge any part of its minimum wage obligation under this clause by furnishing fringe benefits or, with respect to workers whose wages are governed by the Service Contract Labor Standards statute, the cash equivalent thereof.

(7) Nothing in this clause shall excuse the Recipient from compliance with any applicable Federal or State prevailing wage law or any applicable law or municipal ordinance establishing a minimum wage higher than the E.O. minimum wage. However, wage increases under such other laws or municipal ordinances are not subject to price adjustment under this subpart.

(8) The Recipient shall pay the E.O. minimum wage rate whenever it is higher than any applicable collective bargaining agreement(s) wage rate.

(9) The Recipient shall follow the policies and procedures in 29 C.F.R. § 10.24(b) and 10.28 for treatment of workers engaged in an occupation in which they customarily and regularly receive more than $30 a month in tips.

c) (1) This clause applies to workers as defined in paragraph (a). As provided in that definition—

   i  Workers are covered regardless of the contractual relationship alleged to exist between the Recipient or Subrecipient and the worker;

   ii Workers with disabilities whose wages are calculated pursuant to special certificates issued under 29 U.S.C. § 214(c) are covered; and

   iii Workers who are registered in a bona fide apprenticeship program or training program registered with the Department of Labor's Employment and Training Administration, Office of Apprenticeship, or with a State Apprenticeship Agency recognized by the Office of Apprenticeship, are covered.

(2) This clause does not apply to—
i  Fair Labor Standards Act (FLSA) – covered individuals performing in connection with contracts covered by the E.O., i.e. those individuals who perform duties necessary to the performance of the agreement, but who are not directly engaged in performing the specific work called for by the agreement, and who spend less than 20 percent of their hours worked in a particular workweek performing in connection with such agreements;

ii  Individuals exempted from the minimum wage requirements of the FLSA under 29 U.S.C. § 213(a) and 214(a) and (b), unless otherwise covered by the Service Contract Labor Standards statute, or the Wage Rate Requirements (Construction) statute. These individuals include but are not limited to—

   (a) Learners, apprentices, or messengers whose wages are calculated pursuant to special certificates issued under 29 U.S.C. § 214(a).

   (b) Students whose wages are calculated pursuant to special certificates issued under 29 U.S.C. § 214(b).

   (c) Those employed in a bona fide executive, administrative, or professional capacity (29 U.S.C. § 213(a)(1) and 29 C.F.R. § part 541).

d)  Notice. The Recipient shall notify all workers performing work on, or in connection with, this agreement of the applicable E.O. minimum wage rate under this clause. With respect to workers covered by the Service Contract Labor Standards statute or the Wage Rate Requirements (Construction) statute, the Contractor may meet this requirement by posting, in a prominent and accessible place at the worksite, the applicable wage determination under those statutes. With respect to workers whose wages are governed by the FLSA, the Recipient shall post notice, utilizing the poster provided by the Administrator, which can be obtained at www.dol.gov/whd/govcontracts, in a prominent and accessible place at the worksite. Recipients that customarily post notices to workers electronically may post the notice electronically provided the electronic posting is displayed prominently on any Web site that is maintained by the Recipient, whether external or internal, and customarily used for notices to workers about terms and conditions of employment.

e)  Payroll Records.

   (1) The Recipient shall make and maintain records, for three years after completion of the work, containing the following information for each worker:

      i  Name, address, and social security number;

      ii  The worker's occupation(s) or classification(s);
(2) The Recipient shall make records pursuant to paragraph (e) (1) of this clause available for inspection and transcription by authorized representatives of the Administrator. The Recipient shall also make such records available upon request of the Contracting Officer.

(3) The Recipient shall make a copy of the agreement available, as applicable, for inspection or transcription by authorized representatives of the Administrator.

(4) Failure to comply with this paragraph (e) shall be a violation of 29 C.F.R. § 10.26 and this agreement. Upon direction of the Administrator or upon the Awarding Officer's own action, payment shall be withheld until such time as the noncompliance is corrected.

(5) Nothing in this clause limits or otherwise modifies the Recipient’s payroll and recordkeeping obligations, if any, under the Service Contract Labor Standards statute, the Wage Rate Requirements (Construction) statute, the Fair Labor Standards Act, or any other applicable law.

f) Access. The Recipient shall permit authorized representatives of the Administrator to conduct investigations, including interviewing workers at the worksite during normal working hours.

g) Withholding. The Awarding Officer, upon his or her own action or upon written request of the Administrator, will withhold funds or cause funds to be withheld, from the Recipient under this or any other Federal agreement with the same Recipient, sufficient to pay workers the full amount of wages required by this clause.

h) Disputes. Department of Labor has set forth in 29 C.F.R. § 10.51, Disputes concerning Recipient compliance, the procedures for resolving disputes concerning a Recipient’s compliance with Department of Labor regulations at 29 C.F.R. § 10. Such disputes shall be resolved in accordance with those. This includes disputes between the Recipient (or any of its Subrecipients) and the contracting agency, the Department of Labor, or the workers or their representatives.

i) Antiretaliation. The Recipient shall not discharge or in any other manner discriminate against any worker because such worker has filed any complaint or instituted or caused to be instituted any proceeding under or related to
compliance with the E.O. or this clause, or has testified or is about to testify in any such proceeding.

j) **Subcontractor compliance.** The Recipient is responsible for Subrecipient compliance with the requirements of this clause and may be held liable for unpaid wages due Subrecipient workers.

k) **Subawards.** The Recipient shall include the substance of this clause, including this paragraph (k) in all subawards, regardless of dollar value, that are subject to the Service Contract Labor Standards statute or the Wage Rate Requirements (Construction) statute, and are to be performed in whole or in part in the United States.

**B. SPECIAL PROVISIONS:**

1. Joint publication of results is encouraged; however, no party will publish any results of joint effort without consulting the other. This is not to be construed as applying to popular publication of previously published technical matter. Publication may be joint or independent as may be agreed upon, always giving due credit to the cooperation of participating Federal Agencies, the Host University, and Partner Institutions, and recognizing within proper limits the rights of individuals doing the work. In the case of failure to agree as to the manner of publication or interpretation of results, either party may publish data after due notice (not to exceed 60 days) and submission of the proposed manuscripts to the other. In such instances, the party publishing the data will give due credit to the cooperation but assume full responsibility of any statements on which there is a difference of opinion. Federal agencies reserve the right to issue a disclaimer if such a disclaimer is determined to be appropriate.

2. The results of any cooperative studies may be used in developing theses in partial fulfillment of requirements for advanced degrees and nothing herein shall delay publication of theses.

3. Individual modifications shall include specific plans for data management, sharing, and archiving, as appropriate.

**ARTICLE XI: DOCUMENTS INCORPORATED BY REFERENCE**

The following are to be incorporated into this Agreement:

A. **SF-LLL – Disclosure of Lobbying Activities** or Grants.gov Lobbying Form certification, identified in the agencies Funding Opportunity Announcement.
B. Specific project award documents will incorporate the required Standard Forms for Application for Financial Assistance, as appropriate:

- SF-424 – Application for Financial Assistance
- SF-424A – Budget for Non-Construction
- SF-424B – Assurances for Non-Construction

Standard Forms are available on the CESU Network website (www.cesu.org).

ARTICLE XII. ATTACHMENTS/LINKS

The following documents are attached for use per agency requirements, as appropriate:

- Request for Advance or Reimbursement, SF-270
- Federal Financial Report, SF-425
- Example (NPS) CESU Award Modification Template

Attachment documents are available on the CESU Network website (www.cesu.org).
ARTICLE XIII. AUTHORIZING SIGNATURES

The following authorizing signatures are attached:

U.S. DEPARTMENT OF THE INTERIOR
A. Bureau of Indian Affairs
B. Bureau of Land Management
C. Bureau of Ocean Energy Management
D. U.S. Fish and Wildlife Service
E. U.S. Geological Survey
F. National Park Service

U.S. DEPARTMENT OF AGRICULTURE
G. U.S. Forest Service
H. Natural Resources Conservation Service

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

U.S. DEPARTMENT OF DEFENSE
J. Office of the Assistant Secretary of Defense for Sustainment
K. U.S. Army Corps of Engineers–Civil Works
L. National Aeronautics and Space Administration

M. THE UNIVERSITY SYSTEM OF MARYLAND (HOST)
M1. University of Maryland Center for Environmental Science
N. University of Maryland, Baltimore County
O. University of Maryland, College Park
P. University of Maryland Eastern Shore
Q. Bowie State University
R. Frostburg State University
S. Towson University
T. American University
U. Anne Arundel Community College
V. Binghamton University
W. Bryn Mawr College
X. Christopher Newport University
Y. College of William and Mary
Z. Delaware State University
AA. Gallaudet University
BB. Garrett College [withdrawn]
CC. George Mason University
DD. George Washington University
EE. Hood College
FF. Howard University
GG. Indiana University
HH. Indiana University of Pennsylvania
II. James Madison University
JJ. Johns Hopkins University
KK. Lock Haven University
LL. Longwood University
MM. Mansfield University
NN. Maryland Institute College of Art
OO. Monmouth University
PP. Morgan State University
QQ. Ohio University
RR. Old Dominion University
SS. The Pennsylvania State University
TT. St. Mary’s College of Maryland
UU. Shepherd University
VV. Shippensburg University
WW. Smithsonian Institution
XX. Temple University
YY. University of Delaware
ZZ. University of the District of Columbia
AAA. University of Mary Washington
BBB. University of Pennsylvania
CCC. University of Richmond
DDD. The Rector and Visitors of the University of Virginia
EEE. Virginia Commonwealth University
FFF. Virginia Institute of Marine Science
GGG. Virginia Polytechnic Institute and State University
HHH. West Virginia University
III. DC Department of Energy and Environment
JJJ. Virginia Department of Conservation and Recreation
KKK. The Academy of Natural Sciences
LLL. American Bird Conservancy
MMM. American Indian Higher Education Consortium
NNN. Association for the Study of African American Life and History
OOO. Association of African American Museums
PPP. Conservation Science Global, Inc.
QQQ. Ecological Society of America
RRR. Live It, Learn It
SSS. National Aquarium
TTT. NatureServe
UUU. Park Rx America
VVV. Stroud Water Research Center
WWW. Western Pennsylvania Conservancy
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

A. Bureau of Indian Affairs

[This partner is currently inactive pending submission of signature page per Article III. A.]

Darryl LaCounte  
Director, Bureau of Indian Affairs  
U.S. Department of the Interior

__________________________________________  Date

Brian Schoellkopf  
Grants Management Specialist

__________________________________________  Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

B. Bureau of Land Management

Mitchell Leverette
Director
BLM Eastern States

8/24/21

Digitally signed by MELANIE BECKSTEAD
Date: 2021.08.10 10:32:07 -06'00'

Melanie Beckstead
Bureau Grant Policy Analyst
BLM Eastern States
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

C. Bureau of Ocean Energy Management

RODNEY CLUCK

Digitally signed by
RODNEY CLUCK
Date: 2021.07.30 08:44:18
-04'00'

Rodney Cluck
Chief, Division of Environmental Sciences
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

D. U.S. Fish and Wildlife Service

GENEVIEVE PULLIS
Digitally signed by GENEVIEVE PULLIS
Date: 2021.08.23 10:48:15 -04'00'

Genevieve Pullis LaRouche
Field Office Supervisor
Chesapeake Bay Field Office
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

E. U.S. Geological Survey

[Signature]
Faith D. Graves
Contracting Officer

7/29/21
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

F. National Park Service

KIMBERLY HALL

Digitally signed by KIMBERLY HALL
Date: 2021.08.03 15:29:22 -04'00'

Kym Hall
Regional Director
Region 1 - National Capital Area

LAQUITA PALMER

Digitally signed by LAQUITA PALMER
Date: 2021.08.03 16:14:14 -04'00'

LaQuita Palmer
Grants Management Specialist
Region 1 - National Capital Area
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

G. U.S. Forest Service

JERRY ELIAN
Digitally signed by JERRY ELIAN
Date: 2021.08.05 16:20:09 -05'00'

Cynthia West
Station Director
Northern Research Station

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

JERRY ELIAN
Digitally signed by JERRY ELIAN
Date: 2021.08.05 16:19:30 -05'00'

Jerry Elian
Grants Management Specialist
Northern Research Station
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

H. Natural Resources Conservation Service

DENISE COLEMAN

Digitally signed by DENISE COLEMAN
Date: 2021.08.02 15:29:54 -04'00"

Denise Coleman
Acting Associate Chief for Conservation

Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

I. National Oceanic and Atmospheric Administration

Cisco Werner
Director of Scientific Programs and Chief Science Advisor
National Oceanic and Atmospheric Administration CESU Lead

Digitally signed by Cisco Werner
Date: 2021.08.12 16:51:33 -04'00'

Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

J. Office of the Assistant Secretary of Defense for Sustainment

GALLI-NOBLE.ELIZABETH.J.15 53297547
Digitally signed by GALLI-NOBLE.ELIZABETH.J.1553297547
Date: 2021.07.30 14:05:47 -04'00'

 Elizabeth Galli-Noble
 Senior Natural Resources Program
 Manager, DoD Natural Resources Program

______________________________  ______________________
Date                                                                                  Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

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

WHITTEN.CHELSEA.M. Digitally signed by
1139493768 Date: 2021.08.12 12:44:09 -05'00'
Chelsea Whitten Lead Contract Specialist
ERDC Contracting Office
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

L. National Aeronautics and Space Administration

[This partner is currently inactive pending submission of signature page per Article III. A.]

Denise R. Thaller
Director
Environmental Management Division (EMD)
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

M. THE UNIVERSITY SYSTEM OF MARYLAND (HOST)

Ellen Herbst 08/05/2021
Vice Chancellor for
Administration and Finance Date

Ginger Steelman 8/5/2021
Associate Director
Office of Research Administration and Advancement Date

M1. University of Maryland Center for Environmental Science
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

N. University of Maryland, Baltimore County

Rebecca O'Brien, CRA
Grants and Contracts Manager, Office of Sponsored Programs

8/9/21
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

O. University of Maryland, College Park

Stephanie Swann
Contract Manager
Office of Research Administration

Date 8/12/2021

The Federal Agencies (excluding the U.S. Forest Service), Host University, and Partner Institutions which are governmental parties, each accept responsibility for any property damage, injury, or death caused by the acts or omissions of their respective employees, acting within the scope of their employment, to the fullest extent permitted by their respective applicable laws, including laws concerning self-insurance, and for the University of Maryland, College Park, an appropriation of funds by the Maryland General Assembly.
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

P. University of Maryland Eastern Shore

[Signature]

Joseph S. Pitula  
Director of Research  
Office of Sponsored Research and Programs  
08 / 23 / 2021
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

Q. Bowie State University

Anika C. Bissahoyo
Assistant Vice President for Research
Director, Research and Sponsored Programs

8/4/2021

Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

R. Frostburg State University

Sara L. Wilhelm
Director, Office of Sponsored Programs

8/2/2021

Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

S. Towson University

[Signature]

Melanie Perreault
Provost and Executive Vice President for Academic and Student Affairs

Date 4/15/21
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

T. American University

Diana L. Burley  
Vice Provost for Research  

8/5/2021
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

U. Anne Arundel Community College

Dr. Dawn Lindsay  
President  

Aug 2, 2021  
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

V. Binghamton University

Mary Beth Curtin  
Associate Vice President for Research

Date: 8/4/21
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

W. Bryn Mawr College

Timothy Harte
Provost

Aug. 4, 2021
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

X. Christopher Newport University

\[\text{Signature}\]

David C. Doughty, Jr.
Provost

\[8/3/21\]
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

Y. College of William and Mary

Katherine H. Davis Small
Director, Sponsored Programs

August 4, 2021
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

Z. Delaware State University

DocuSigned by:

Dr. Tony Allen  Dr. Melissa Harrington
President     AVP for Research & OSP

8/3/2021     Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

AA. Gallaudet University

[Signature]

Roberta J. Cordano  
President

Aug 6, 2021  
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

BB. Garrett College [withdrawn]

[This partner is currently inactive pending submission of signature page per Article III. A.]

Richard Midcap
President

Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

CC. George Mason University

Mike Laskofski
Digitally signed by Mike Laskofski
Date: 2021.07.30
12:25:41 -04'00'

July 30, 2021

Michael Laskofski
Associate Vice President, Research Services
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

DD. George Washington University

_________________________  7.30.2021
Carla Berg                  Date
Interim Vice Provost for Research
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

EE. Hood College

[Signature]
Andrea E. Chapdelaine
President

August 2, 2021
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

FF. Howard University

_________________________  08/06/2021
Dana C. Hector
Executive Director, Research Administrative Services
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

GG. Indiana University

Katie Morris
Director of Research Contracting

08/03/2021
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

HH. Indiana University of Pennsylvania

Lara Luetkehans
Interim Provost and Vice President for Academic Affairs

08/10/21
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

II. James Madison University

[Signature]
Tamara T. Hatch
Director, Office of Sponsored Programs

08/04/2021
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

JJ. Johns Hopkins University

Jessica George
Sr. Contracts Associate

8/2/21
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

KK. Lock Haven University

Ron Darbeau
Provost and Vice President of Academic Affairs

8/4/21
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

LL. Longwood University

Louise Waller 8/2/2021
Louise Waller 8/2/2021
Vice President for Administration and Finance 8/2/2021
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

MM. Mansfield University

Dr. John M. Ulrich

John M. Ulrich
Provost and Vice President for Academic Affairs

Date: 8-4-2021
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

NN. Maryland Institute College of Art

Tiffany Holmes  
Interim Vice President for Academic Affairs and Provost  

10.27.21  
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

OO. Monmouth University

Charlene K. Diana, Esq., on behalf of the Interim Provost and Senior Vice President for Academic Affairs

8/3/2021 Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

PP. Morgan State University

Farin Kamangar 8/16/2021

Farin Kamangar 8/16/2021
Interim Assistant Vice President for Research Administration Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

QQ. Ohio University

P. Maureen Valentine  Date
Assistant Vice President for Research and Sponsored Programs
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

RR. Old Dominion University

Morris Foster
Vice President for Research

Date 7/30/21
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

SS. The Pennsylvania State University

Michele M. Spangler, Assistant Treasurer

24-Sep-2021

September 24, 2021
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

TT. St. Mary’s College of Maryland

Paul A. Pusecker III
Vice President for Business and Chief Operating Officer

07.30.2021
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

UU. Shepherd University

[Signature]
Madge Manningstar
Director, Office of Sponsored Programs

8/5/2021 Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

VV. Shippensburg University

Tom C. Ormond
Provost and Vice President for Academic Affairs

8/2/2021
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

WW. Smithsonian Institution

Karen Elliott Otiji, CRA

Digitally signed by Karen Elliott Otiji, CRA
DN: CN=Karen Elliott Otiji, O=Smithsonian Institution, C=US
Reason: I am the author of this document
Location: your signing location here
Date: 2021.08.02 15:41:54-04'00'

Karen Otiji
Acting Director, Office of Sponsored Projects

Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

XX. Temple University

Jaison G. Kurichi
Associate Vice President, Budget and Finance

Aug 5, 2021
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

YY. University of Delaware

______________________________  08/03/2021
Jeffrey Friedland
Associate Vice President for Research Administration  Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

ZZ. University of the District of Columbia

Ronald Mason, Jr.
President

Date

9-22-21
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

AAA. University of Mary Washington

Paul C. Messplay
Vice President, Administration and Finance
and Chief Financial Officer

Date 5/2/2021
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

BBB. University of Pennsylvania

W. Stuart Watson
Associate Director, Office of Research Services

Elizabeth D. Pelosi
Associate Vice President & Associate Vice Provost
Office of Research Services

9/14/2021
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

CCC. University of Richmond

Laurie F. Melville
Senior Associate Vice President for Finance and Controller

8/4/21
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

DDD. The Rector and Visitors of the University of Virginia

Stewart Craig   Date
Executive Director, Office of Sponsored Programs
8/3/2021
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

EEE. Virginia Commonwealth University

[Signature and date]
Tina Cunningham
Associate Vice President for Sponsored Programs

8/4/2021
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

FFF. Virginia Institute of Marine Science

Connie M. Motley   Date
Director, Office of Sponsored Programs

8/19/2021
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

GGG. Virginia Polytechnic Institute and State University

Trudy M Riley
Digitally signed by Trudy M Riley
Date: 2021.08.05 09:51:37 -04'00'

Trudy Riley
Associate Vice President for Research and Innovation, Sponsored Programs

Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

HHH. West Virginia University

[Signature]

Katie Schneller
Interim Director of OSP, Pre-Award

Aug 2, 2021
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

III. DC Department of Energy and Environment

Tommy Wells

Digitally signed by Tommy Wells
DN: cn=Tommy Wells, o=DC Dept of Energy & Environment,
ou=Director,
email=tommy.well@dc.gov, c=US
Date: 2021.08.05 12:08:47 -04'00'

Tommy Wells
Director
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

JJJ. Virginia Department of Conservation and Recreation

[Signature]
Clyde E. Cristman
Director, VA DCR

Deputy Director, DCR

Date 5 August 2021
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

KKK. The Academy of Natural Sciences

Digitally signed by David Velinsky
Date: 2021.08.04 09:48:55 -04'00'

David Velinsky
Vice President for Academy Science
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

LLL. American Bird Conservancy

Dana Matthews

Chief Financial Officer / Chief Operational Officer

8/4/2021
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

MMM. American Indian Higher Education Consortium

Carrie Billy
President and CEO

9/17/2021
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

NNN. Association for the Study of African American Life and History

Sylvia Y. Cyrus
Executive Director

8-2-21
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

OOO. Association of African American Museums

LaNesha DeBardelaben
AAAM President

08/05/2021

Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

PPP. Conservation Science Global, Inc.

__________________________  4 August 2021
Tricia A. Miller                Date
Executive Director
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

QQQ. Ecological Society of America

[Signature]
Elizabeth Biggs
Chief Financial Officer

[Date]
8/5/21
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

RRR. Live It, Learn It

Michelle N. Edwards

Michelle N. Edwards, Ed.D.
Executive Director

August 5, 2021
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

SSS. National Aquarium

[Signature]
Ginna Newton
Senior Vice President and Chief Financial Officer

[Date] 3/3/21
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

TTT. NatureServe

Sean T. O’Brien
President and CEO

07/30/2021
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

UUU. Park Rx America

<table>
<thead>
<tr>
<th>John Henderson</th>
<th>Robert Zarr, MD, MPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive Director</td>
<td>Founder and Medical Director</td>
</tr>
</tbody>
</table>

8-5-21

Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

VVV. Stroud Water Research Center

[Signature]
David B. Arscott
President and Executive Director

7/30/21
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

WWW. Western Pennsylvania Conservancy

Elizabeth Cuthbert
Vice President, Administration and Finance and
Chief Financial Officer

Cynthia Carrow
Vice President, Government & Community Relations

Digitally signed by Elizabeth Cuthbert
DN: cn=Elizabeth Cuthbert, o=Western Pennsylvania Conservancy, ou=
email=ecuthbert@pecoservw.org, c=US
Date: 2021.08.23 14:33:40 -04'00'

8/23/2021

Date

8/24/21
This JOINT VENTURE AGREEMENT is hereby made and entered into by and between the Chesapeake Watershed CESU (Cooperative Ecosystems Studies Unit), having the University System of Maryland as the “Host University”, hereinafter referred to as “CESU/Cooperator,” and the USDA, Forest Service Northern Research Station, hereinafter referred to as the “U.S. Forest Service,” under the provisions of the National Agricultural Research, Extension and Teaching Policy Act of 1977 {7 U.S.C. 3318(b), Pub. L. 95-113}, as amended by the Food Security Act of 1985 (Title XIV, Pub. L. 99-198).


Title: Chesapeake Watershed CESU – USDA Forest Service Master

I. PURPOSE: The purpose of this Master Agreement is to establish the framework of cooperation between parties of the Chesapeake Watershed CESU to develop and apply natural resource science in support of conservation and management in the Chesapeake Basin. Objectives include:

- Provide research, technical assistance and education to federal land management, environmental, and research agencies and their potential partners;
- Develop a program of research, technical assistance and education that involves the biological, physical, social, and cultural sciences needed to address resources issues and interdisciplinary problem-solving at multiple scales and in an ecosystem context at the local, regional, and national level; and
- Place special emphasis on the working collaboration among federal agencies and universities and their related partner institutions.

When conducting a Task Agreement with the USDA Forest Service the following Master Chesapeake Watershed CESU Joint Venture Agreement provisions are incorporated into the Task Agreements where the USDA Forest Service, Northern Research Station is a party.
II. STATEMENT OF MUTUAL BENEFIT AND INTERESTS:

(See individual Task Agreements, however the U.S. Forest Service and the Cooperator must share Mutual Benefits and Mutual Interests in any future Task Agreement.)

In consideration of the above premises, the parties agree as follows:

III. THE COOPERATOR SHALL:

A. LEGAL AUTHORITY: The Cooperator shall have the legal authority to enter into this agreement, and the institutional, managerial, and financial capability to ensure proper planning, management, and completion of the project, which includes funds sufficient to pay the nonfederal share of project costs, when applicable.

B. ENVIRONMENTAL STANDARDS. The Cooperator shall comply with environmental standards pursuant to the notification of violating facilities in E.O. 11738.

C. USE OF GOVERNMENT OWNED VEHICLES. U.S. Forest Service vehicles may be used for official U.S. Forest Service business only accordance with FSH 7109.19, chapter 60, the requirements established by the region in which performance of this agreement takes place, and the terms of this agreement.

D. BUILDING AND COMPUTER ACCESS BY NON-U.S. FOREST SERVICE PERSONNEL. The Cooperator may be granted access to U.S. Forest Service facilities and/or computer systems to accomplish work described in the Operating Plan or Statement of Work. All non-Government employees with unescorted access to U.S. Forest Service facilities and computer systems shall have background checks following the procedures established by USDA Directives 3800 series. Those granted computer access must fulfill all U.S. Forest Service requirements for mandatory security awareness and role-base advanced security training and sign all applicable U.S. Forest Service statements of responsibilities.

E. PROGRAM PERFORMANCE REPORTS: The Cooperator shall monitor the performance of the agreement activities to ensure that performance goals are being achieved.

Performance reports shall contain information on the following:

- A comparison of actual accomplishments to the goals established for the period. Where the output of the project can be readily expressed in numbers, a computation of the cost per unit of output may be required if that information is useful.

- Reason(s) for delay if established goals were not met.
- Additional pertinent information including, when appropriate, analysis and explanation of cost overruns or high unit costs.

The Cooperator shall submit ANNUAL, SEMI-ANNUAL, or QUARTERLY performance reports to the U.S. Forest Service Program Manager. These reports are due 90 days for annual and for semi-annual/quarterly reports, 30 days after the reporting period. The final performance report must be submitted either with the Cooperator’s final payment request, or separately, but not later than 120 days from the expiration date of the agreement.

F. (Additional Cooperator Shall provisions may be added as applicable to individual Task Agreements)

IV. THE U.S. FOREST SERVICE SHALL:

(See individual Task Agreements)

A. Provide administrative assistance, as appropriate, necessary to execute this Agreement and subsequent modifications;

B. Conduct, with the Host University and Partner Institutions, a program of research, technical assistance and education related to the Chesapeake Watershed CESU objectives to the extent allowed by each Federal Agencies’ authorizing legislation;

C. (Additional U.S. Forest Service Shall provisions may be added as applicable to individual Task Agreements)

V. IT IS MUTUALLY AGREED AND UNDERSTOOD BY AND BETWEEN THE PARTIES THAT:

A. PRINCIPAL CONTACTS. Individuals listed below are authorized to act in their respective areas for matters related to this agreement.

(See individual Task Agreements)

B. ASSURANCE REGARDING FELONY CONVICTION OR TAX DELINQUENT STATUS FOR CORPORATE ENTITIES. This agreement is subject to the provisions contained in the Department of Interior, Environment, and Related Agencies Appropriations Act, 2012, P.L. No. 112-74, Division E, Section 433 and 434 as continued by Consolidated and Further Continuing Appropriations Act, 2013, P.L. No. 113-6, Division F, Title I, Section 1101(a)(3) regarding corporate felony convictions and corporate federal tax delinquencies. Accordingly, by entering into this agreement the Cooperator acknowledges that it: 1) does not have a tax delinquency, meaning that
it is not subject to any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability, and (2) has not been convicted (or had an officer or agent acting on its behalf convicted) of a felony criminal violation under any Federal law within 24 months preceding the agreement, unless a suspending and debarring official of the United States Department of Agriculture has considered suspension or debarment is not necessary to protect the interests of the Government. If the Cooperator fails to comply with these provisions, the U.S. Forest Service will annul this agreement and may recover any funds the Cooperator has expended in violation of sections 433 and 434.

C. **NOTICES.** Any communications affecting the operations covered by this agreement given by the U.S. Forest Service or the Cooperator is/are sufficient only if in writing and delivered in person, mailed, or transmitted electronically by e-mail or fax, as follows:

To the U.S. Forest Service Program Manager, at the address specified in the agreement.

To the Cooperator, at the Cooperator’s address shown in the agreement or such other address designated within the agreement.

Notices are effective when delivered in accordance with this provision, or on the effective date of the notice, whichever is later.

D. **PARTICIPATION IN SIMILAR ACTIVITIES.** This agreement in no way restricts the U.S. Forest Service or the Cooperator from participating in similar activities with other public or private agencies, organizations, and individuals.

E. **SUB-AWARDS - SCIENCE AND TECHNOLOGY AGREEMENTS WITH FOREIGN GOVERNMENTS:** This Agreement is governed by U.S. law. A Party that utilizes foreign governments or foreign government instrumentalities to conduct activities pursuant to this agreement shall conduct such activities consistent with the S&T Agreement [insert S&T agreement Country]. A Party shall notify foreign governments and foreign government instrumentalities that are conducting cooperative activities under this agreement for or on behalf of that Party that cooperative activities must be conducted consistent with S&T agreement [Country].

F. **ENDORSEMENT.** Any of the Cooperator’s contributions made under this agreement do not by direct reference or implication convey U.S. Forest Service endorsement of the Cooperator’s products or activities.
G. **USE OF U.S. FOREST SERVICE INSIGNIA.** In order for the Cooperator to use the U.S. Forest Service insignia on any published media, such as a Web page, printed publication, or audiovisual production, permission must be granted from the U.S. Forest Service’s Office of Communications (Washington Office). A written request must be submitted by U.S. Forest Service - Northern Research Station to the Office of Communications Assistant Director, Visual Information and Publishing Services prior to use of the insignia. The U.S. Forest Service - Northern Research Station will notify the Cooperator when permission is granted.

H. **MEMBERS OF U.S. CONGRESS.** Pursuant to 41 U.S.C. 22, no United States member of, or United States delegate to, Congress shall be admitted to any share or part of this agreement, or benefits that may arise therefrom, either directly or indirectly.

I. **NONDISCRIMINATION.** In accordance with Federal civil rights law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices, and employees, and institutions participating in or administering USDA programs are prohibited from discriminating based on race, color, national origin, religion, sex, gender identity (including gender expression), sexual orientation, disability, age, marital status, family/parental status, income derived from a public assistance program, political beliefs, or reprisal or retaliation for prior civil rights activity, in any program or activity conducted or funded by USDA (not all bases apply to all programs). Remedies and complaint filing deadlines vary by program or incident.

Persons with disabilities who require alternative means of communication for program information (e.g., Braille, large print, audiotape, American Sign Language, etc.) should contact the responsible Agency or USDA’s TARGET Center at (202) 720-2600 (voice and TTY) or contact USDA through the Federal Relay Service at (800) 877-8339. Additionally, program information may be made available in languages other than English.

To file a program discrimination complaint, complete the USDA Program Discrimination Complaint Form, AD-3027, found online at How to File a Program Discrimination Complaint and at any USDA office or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992. Submit your completed form or letter to USDA by: (1) mail: U.S. Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410; (2) fax: (202) 690-7442; or (3) email: program.intake@usda.gov. USDA is an equal opportunity provider, employer, and lender.

J. **ELIGIBLE WORKERS.** The Cooperator shall ensure that all employees complete the I-9 form to certify that they are eligible for lawful employment under the Immigration and Nationality Act (8 USC 1324a). The Cooperator shall comply with regulations regarding certification and retention of the completed forms. These requirements also apply to any contract awarded under this agreement.
K. SYSTEM FOR AWARD MANAGEMENT REGISTRATION REQUIREMENT (SAM). The Cooperator shall maintain current information in the System for Award Management (SAM) until receipt of final payment. This requires review and update to the information at least annually after the initial registration, and more frequently if required by changes in information or agreement term(s). For purposes of this agreement, System for Award Management (SAM) means the Federal repository into which an entity must provide information required for the conduct of business as a Cooperative. Additional information about registration procedures may be found at the SAM Internet site at www.sam.gov.

L. STANDARDS FOR FINANCIAL MANAGEMENT.

1. Financial Reporting

The Cooperator shall provide complete, accurate, and current financial disclosures of the project or program in accordance with any financial reporting requirements, as set forth in the financial provisions.

2. Accounting Records

The Cooperator shall continuously maintain and update records identifying the source and use of funds. The records shall contain information pertaining to the agreement, authorizations, obligations, unobligated balances, assets, outlays, and income.

3. Internal Control

The Cooperator shall maintain effective control over and accountability for all U.S. Forest Service funds, real property, and personal property assets. The Cooperator shall keep effective internal controls to ensure that all United States Federal funds received are separately and properly allocated to the activities described in the agreement. The Cooperator shall adequately safeguard all such property and shall ensure that it is used solely for authorized purposes.

4. Source Documentation

The Cooperator shall support all accounting records with source documentation. These documentations include, but are not limited to, cancelled checks, paid bills, payrolls, contract and subgrant/contract documents. These documents must be made available to the U.S. Forest Service upon request.

M. INDIRECT COSTS AND TUITION REMISSION. In accordance with 7 U.S.C. 3319, indirect costs and tuition remission are not reimbursable to a State Cooperative Institution, as defined in 7 U.S.C. 3103 (18), under this agreement. Indirect costs and tuition remission, however, may be used by a State cooperative institution to satisfy matching or cost-sharing requirements.
N. INDIRECT COST RATES- PARTNERSHIP

Indirect costs are approved for reimbursement or as a cost-share requirement and have an effective period applicable to the term of this agreement.

1. If the Cooperator has never received or does not currently have a negotiated indirect cost rate, they are eligible for a de minimis indirect cost rate up to 10 percent of modified total direct costs (MTDC). MTDC is defined as all salaries and wages, fringe benefits, materials and supplies, services, travel, and contracts up to the first $25,000 of each contract.

2. For rates greater than 10 percent and less than 25 percent, the Cooperator shall maintain documentation to support the rate. Documentation may include, but is not limited to, accounting records, audit results, cost allocation plan, letter of indirect cost rate approval from an independent accounting firm, or other Federal agency approved rate notice applicable to agreements.

3. For a rate greater than 25 percent, the U.S. Forest Service may require that the Cooperator request a federally approved rate from the Cooperator’s cognizant audit agency no later than 3 months after the effective date of the agreement. The Cooperator will be reimbursed for indirect costs or allowed to cost-share at the rate reflected in the agreement until the rate is formalized in the negotiated indirect cost rate (NICRA) at which time, reimbursements for prior indirect costs or cost-sharing may be subject to adjustment.

4. Failure to provide adequate documentation supporting the indirect cost rate, if requested, could result in disallowed costs and repayment to the Forest Service.

O. PROGRAM INCOME – PARTNERSHIP AGREEMENTS.

1. The Cooperator shall apply the standards set forth in this Provision to account for program income earned under the agreement.

2. If any program income is generated as a result of this agreement, the income must be applied using the deduction alternative. The deduction alternative means that program income must be deducted from total allowable costs to determine the net allowable costs, unless otherwise approved by the signatory official. Program income must be used for current costs unless the Federal agency authorizes otherwise. Program income which the Cooperator did not anticipate at the time of the award must be used to reduce the Federal agency and Cooperator contributions rather than to increase the funds committed to the project.

3. Unless the terms and conditions of the agreement provide otherwise, the Cooperator shall have no obligation to the U.S. Government regarding program income earned after the end of the project period.
4. Costs incident to the generation of program income may be deducted from gross income to determine program income, provided these costs have not been charged to the agreement and they comply with the Cost Principles, if applicable.

5. Unless the terms and conditions of the agreement provide otherwise, the Cooperator shall have no obligation to the U.S. Government with respect to program income earned from license fees and royalties for copyrighted material, patents, patent applications, trademarks, and inventions produced under an agreement. However, Patent and Trademark Amendments (35 U.S.C. 18) apply to inventions made under an experimental, developmental, or research awards.

P. OVERPAYMENT. Any funds paid to the Cooperator in excess of the amount entitled under the terms and conditions of this agreement constitute a debt to the Federal Government. The following must also be considered as a debt or debts owed by the Cooperator to the U.S. Forest Service:

- Any interest or other investment income earned on advances of agreement funds; or
- Any royalties or other special classes of program income which, under the provisions of the agreement, are required to be returned;

If this debt is not paid according to the terms of the bill for collection issued for the overpayment, the U.S. Forest Service may reduce the debt by:

1. Making an administrative offset against other requests for reimbursement.
2. Withholding advance payments otherwise due to the Cooperator.

Except as otherwise provided by law, the U.S. Forest Service may charge interest on an overdue debt.

Q. AGREEMENT CLOSEOUT. The Cooperator shall close out the agreement within 120 days after expiration or notice of termination.

Any unobligated balance of cash advanced to the Cooperator must be immediately refunded to the U.S. Forest Service, including any interest earned in accordance with 7 CFR 3016.21, 7 CFR 3019.22.

Within a maximum of 120 days following the date of expiration or termination of this agreement, all financial performance and related reports required by the terms of the agreement must be submitted to the U.S. Forest Service by the Cooperator.

If this agreement is closed out without audit, the U.S. Forest Service reserves the right to disallow and recover an appropriate amount after fully considering any recommended disallowances resulting from an audit which may be conducted later.
R. **RETENTION AND ACCESS REQUIREMENTS FOR RECORDS.** The Cooperator shall retain all records pertinent to this agreement for a period of no less than 3 years from the expiration or termination date. As used in this provision, “records” includes books, documents, accounting procedures and practice, and other data, regardless of the type or format. The Cooperator shall provide access and the right to examine all records related to this agreement to the U.S. Forest Service Inspector General, or Comptroller General or their authorized representative. The rights of access in this section must not be limited to the required retention period but must last as long as the records are kept.

If any litigation, claim, negotiation, audit, or other action involving the records has been started before the end of the 3-year period, the records must be kept until all issues are resolved, or until the end of the regular 3-year period, whichever is later.

Records for nonexpendable property acquired in whole or in part, with Federal funds must be retained for 3 years after its final disposition.

The Cooperator shall provide access to any project site(s) to the U.S. Forest Service or any of their authorized representatives. The rights of access in this section shall not be limited to the required retention period but shall last as long as the records are kept.

S. **FREEDOM OF INFORMATION ACT (FOIA).** Public access to agreement records must not be limited, except when such records must be kept confidential and would have been exempted from disclosure pursuant to Freedom of Information regulations (5 U.S.C. 552). Requests for research data are subject to 2 CFR 215.36.

Public access to culturally sensitive data and information of Federally-recognized tribes may also be explicitly limited by P.L. 110-234, Title VIII Subtitles B §8106 (2008 Farm Bill).

T. **TEXT MESSAGING WHILE DRIVING.** In accordance with Executive Order (EO) 13513, “Federal Leadership on Reducing Text Messaging While Driving,” any and all text messaging by Federal employees is banned: a) while driving a Government owned vehicle (GOV) or driving a privately owned vehicle (POV) while on official Government business; or b) using any electronic equipment supplied by the Government when driving any vehicle at any time. All Cooperatives, their Employees, Volunteers, and Contractors are encouraged to adopt and enforce policies that ban text messaging when driving company owned, leased or rented vehicles, POVs or GOVs when driving while on official Government business or when performing any work for or on behalf of the Government.
U. **PUBLIC NOTICES.** It is the U.S. Forest Service's policy to inform the public as fully as possible of its programs and activities. The Cooperator is/are encouraged to give public notice of the receipt of this agreement and, from time to time, to announce progress and accomplishments. Press releases or other public notices should include a statement substantially as follows:

"(See individual Task Agreements)"

The Cooperator may call on the U.S. Forest Service's Office of Communication for advice regarding public notices. The Cooperator is/are requested to provide copies of notices or announcements to the U.S. Forest Service Program Manager and to the U.S. Forest Service's Office of Communications as far in advance of release as possible.

V. **PROPERTY IMPROVEMENTS.** Improvements placed on National Forest System land at the direction or with the approval of the U.S. Forest Service becomes property of the United States. These improvements are subject to the same regulations and administration of the U.S. Forest Service as would other National Forest improvements. No part of this agreement entitles the Cooperator to any interest in the improvements, other than the right to use them under applicable U.S. Forest Service regulations.

W. **CONTRACT REQUIREMENTS.** Any contract under this agreement must be awarded following the Cooperator’s established procurement procedures, to ensure free and open competition, and avoid any conflict of interest (or appearance of a conflict). The Cooperator must maintain cost and price analysis documentation for potential U.S. Forest Service review. The Cooperator is/are encouraged to utilize small businesses, minority-owned firms, and women’s business enterprises.

X. **GOVERNMENT-FURNISHED PROPERTY.** The Cooperator may only use U.S. Forest Service property furnished under this agreement for performing tasks assigned in this agreement. The Cooperator shall not modify, cannibalize, or make alterations to U.S. Forest Service property. A separate document, Form AD-107, must be completed to document the loan of U.S. Forest Service property. The U.S. Forest Service shall retain title to all U.S. Forest Service-furnished property. Title to U.S. Forest Service property must not be affected by its incorporation into or attachment to any property not owned by the U.S. Forest Service, nor must the property become a fixture or lose its identity as personal property by being attached to any real property. *Cooperator Liability for Government Property.*
1. Unless otherwise provided for in the agreement, the Cooperator shall not be liable for loss, damage, destruction, or theft to the Government property furnished or acquired under this contract, except when any one of the following applies:

   a. The risk is covered by insurance or the Cooperator is/are otherwise reimbursed (to the extent of such insurance or reimbursement).

   b. The loss, damage, destruction, or theft is the result of willful misconduct or lack of good faith on the part of The Cooperator’s managerial personnel. The Cooperator’s managerial personnel, in this clause, means the Cooperator’s directors, officers, managers, superintendents, or equivalent representatives who have supervision or direction of all or substantially all of the Cooperator’s business; all or substantially all of the Cooperator’s operation at any one plant or separate location; or a separate and complete major industrial operation.

2. The Cooperator shall take all reasonable actions necessary to protect the Government property from further loss, damage, destruction, or theft. The Cooperator shall separate the damaged and undamaged Government property, place all the affected Government property in the best possible order, and take such other action as the Property Administrator directs.

3. The Cooperator shall do nothing to prejudice the Government's rights to recover against third parties for any loss, damage, destruction, or theft of Government property.

4. Upon the request of the Grants & Agreements Specialist, the Cooperator shall, at the Government's expense, furnish to the Government all reasonable assistance and cooperation, including the prosecution of suit and the execution of agreements of assignment in favor of the Government in obtaining recovery.

Y. U.S. FOREST SERVICE ACKNOWLEDGED IN PUBLICATIONS, AUDIOVISUALS, AND ELECTRONIC MEDIA. The Cooperator shall acknowledge U.S. Forest Service support in any publications, audiovisuals, and electronic media developed as a result of this agreement.

Z. NONDISCRIMINATION STATEMENT – PRINTED, ELECTRONIC, OR AUDIOVISUAL MATERIAL. The Cooperator shall include the following statement, in full, in any printed, audiovisual material, or electronic media for public distribution developed or printed with any Federal funding.

   In accordance with Federal law and U.S. Department of Agriculture policy, this institution is prohibited from discriminating on the basis of race, color, national origin, sex, age, or disability. (Not all prohibited bases apply to all programs.)
To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call toll free voice (866) 632-9992, TDD (800)877-8339, or voice relay (866) 377-8642. USDA is an equal opportunity provider and employer.

If the material is too small to permit the full statement to be included, the material must, at minimum, include the following statement, in print size no smaller than the text:

"This institution is an equal opportunity provider."

AA. REMEDIES FOR COMPLIANCE RELATED ISSUES. If the Cooperator materially fail(s) to comply with any term of the agreement, whether stated in a Federal statute or regulation, an assurance, or the agreement, the U.S. Forest Service may take one or more of the following actions:

1. Temporarily withhold cash payments pending correction of the deficiency by the Cooperator or more severe enforcement action by the U.S. Forest Service;

2. Disallow (that is, deny both use of funds and matching credit for) all or part of the cost of the activity or action not in compliance;

3. Wholly or partly suspend or terminate the current agreement for The Cooperator’s program;

4. Withhold further awards for the program, or

5. Take other remedies that may be legally available, including debarment procedures under 7 CFR part 417.

BB. TERMINATION BY MUTUAL AGREEMENT. This agreement may be terminated, in whole or part, as follows:

1. When the U.S. Forest Service and the Cooperator agree upon the termination conditions, including the effective date and, in the case of partial termination, the portion to be terminated.

2. By 30 days written notification by the Cooperator to the U.S. Forest Service setting forth the reasons for termination, effective date, and in the case of partial termination, the portion to be terminated. If, in the case of a partial termination, the U.S. Forest Service determines that the remaining portion of the agreement will not accomplish the purposes for which the agreement was made, the U.S. Forest Service may terminate the agreement in its entirety.
Upon termination of an agreement, the Cooperator shall not incur any new obligations for the terminated portion of the agreement after the effective date, and shall cancel as many outstanding obligations as possible. The U.S. Forest Service shall allow full credit to the Cooperator for the United States Federal share of the non-cancelable obligations properly incurred by the Cooperator up to the effective date of the termination. Excess funds shall be refunded within 60 days after the effective date of termination.

CC. ALTERNATE DISPUTE RESOLUTION – PARTNERSHIP AGREEMENT. In the event of any issue of controversy under this agreement, the parties may pursue Alternate Dispute Resolution procedures to voluntarily resolve those issues. These procedures may include, but are not limited to conciliation, facilitation, mediation, and fact finding.

DD. DEBARMENT AND SUSPENSION. The Cooperator shall immediately inform the U.S. Forest Service if they or any of their principals are presently excluded, debarred, or suspended from entering into covered transactions with the federal government according to the terms of 2 CFR Part 180. Additionally, should the Cooperator or any of their principals receive a transmittal letter or other official Federal notice of debarment or suspension, then they shall notify the U.S. Forest Service without undue delay. This applies whether the exclusion, debarment, or suspension is voluntary or involuntary.

EE. INTERNATIONAL TRAVEL. When U.S. Forest Service funds are used, and no Federal, statutory exceptions apply, the Cooperator shall ensure that any air transportation of passengers and property is provided by a carrier holding a United States Government issued certificate in compliance with the International Air Transportation Fair Competitive Practices Act of 1974, 49 U.S.C. 40118 (Fly American Act).

FF. COPYRIGHTING. The Cooperator is/are granted sole and exclusive right to copyright any publications developed as a result of this agreement. This includes the right to publish and vend throughout the world in any language and in all media and forms, in whole or in part, for the full term of copyright and all renewals thereof in accordance with this agreement.

No original text or graphics produced and submitted by the U.S. Forest Service shall be copyrighted. The U.S. Forest Service reserves a royalty-free, nonexclusive, and irrevocable right to reproduce, publish, or otherwise use, and to authorize others to use the work for Federal Government purposes. This right must be transferred to any sub-agreements or subcontracts.

This provision includes:
1. The copyright in any work developed by the Cooperator under this agreement.
2. Any right of copyright to which the Cooperator purchase(s) ownership with any Federal contributions.
GG. U.S. FOREST SERVICE CODE OF SCIENTIFIC ETHICS. All persons performing under this agreement shall be aware of and perform according to the U.S. Forest Service Code of Scientific Ethics found at: http://www.fs.fed.us/research/publications/fs_code_of_scientific_ethics.pdf

HH. USDA GUIDELINES FOR QUALITY OF INFORMATION. This agreement is subject to the “Guidelines for Ensuring and Maximizing the Quality, Objectivity, Utility, and Integrity of Information Disseminated by Federal Agencies; Reproduction” and the “USDA Guidelines for Quality of Information” which can be found at http://www.fs.fed.us/qoi/.

II. PROHIBITION AGAINST INTERNAL CONFIDENTIAL AGREEMENTS: All non federal government entities working on this agreement will adhere to the below provisions found in the Consolidated Appropriations Act, 2016, Pub. L. 114-113, relating to reporting fraud, waste and abuse to authorities:

(a) The recipient may not require its employees, contractors, or subrecipients seeking to report fraud, waste, or abuse to sign or comply with internal confidentiality agreements or statements prohibiting or otherwise restricting them from lawfully reporting that waste, fraud, or abuse to a designated investigative or law enforcement representative of a Federal department or agency authorized to receive such information.

(b) The recipient must notify its employees, contractors, or subrecipients that the prohibitions and restrictions of any internal confidentiality agreements inconsistent with paragraph (a) of this award provision are no longer in effect.

(c) The prohibition in paragraph (a) of this award provision does not contravene requirements applicable to any other form issued by a Federal department or agency governing the nondisclosure of classified information.

(d) If the Government determines that the recipient is not in compliance with this award provision, it:

   (1) Will prohibit the recipient's use of funds under this award, in accordance with sections 743, 744 of Division E of the Consolidated Appropriations Act, 2016, (Pub. L. 114-113) or any successor provision of law; and

   (2) May pursue other remedies available for the recipient's material failure to comply with award terms and conditions.
JJ. MODIFICATIONS. Modifications within the scope of this agreement must be made by mutual consent of the parties, by the issuance of a written modification signed and dated by all properly authorized, signatory officials, prior to any changes being performed. Requests for modification should be made, in writing, at least 60 days prior to implementation of the requested change. The U.S. Forest Service is not obligated to fund any changes not properly approved in advance.

KK. COMMENCEMENT/EXPIRATION DATE.

(See individual Task Agreements

The authority and format of this agreement have been reviewed and approved for signature.

JERRY ELIAN

Digitally signed by JERRY ELIAN
Date: 2021.08.05 16:17:59-05'00'

August 05, 2021

Jerry Elian, Grants Management Specialist
USDA Forest Service, Northern Research Station

Burden Statement

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0596-0217. The time required to complete this information collection is estimated to average 4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call toll free (866) 632-9992 (voice). TDD users can contact USDA through local relay or the Federal relay at (800) 877-8339 (TDD) or (866) 377-8642 (relay voice). USDA is an equal opportunity provider and employer.