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USACE # [pending]
NOAA # [no number issued]

**CHESAPEAKE WATERSHED
COOPERATIVE ECOSYSTEM STUDIES UNIT
COOPERATIVE and JOINT VENTURE AGREEMENT**

between

**U.S. DEPARTMENT OF THE INTERIOR
Bureau of Land 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
U.S. Army Corps of Engineers – Civil Works
Office of the Assistant Secretary of Defense
(Energy, Installations, and Environment)**

and

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

**American University
Anne Arundel Community College
Christopher Newport University**

**College of William and Mary
Delaware State University
Garrett College
George Mason University
George Washington University
Howard University
Indiana University of Pennsylvania
James Madison University
The Pennsylvania State University
Shippensburg University
University of Delaware
University of the District of Columbia
University of Mary Washington
University of Richmond
University of Virginia
Virginia Commonwealth University
Virginia Institute of Marine Science
The Academy of Natural Sciences
American Bird Conservancy
National Aquarium
Virginia Department of Conservation and Recreation
Western Pennsylvania Conservancy**

ARTICLE I. BACKGROUND AND OBJECTIVES

- A. This Cooperative and Joint Venture Agreement (hereinafter called Agreement) between the Bureau of Land 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, U.S. Army Corps of Engineers–Civil Works, and U.S. Department of Defense–Office of the Assistant Secretary of Defense (Energy, Installations, and Environment) (hereinafter called Federal Agencies), and The University System of Maryland (Host Institution) 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. 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.
- D. 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.
- E. 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.
- F. 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 is authorized and directed to assure that management of units of the National Park System is enhanced by the availability and utilization of a broad program of the highest quality science and information (54 U.S.C. §100702), and to enter into cooperative agreements with colleges and universities, including but not limited to 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 National Park System, or the larger region of which parks 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 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)); 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.

- G. 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.
- H. 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 (16 U.S.C. §§ 590(a)-(f)). 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 Section 714 of Pub. L. 106-387, 7 U.S.C. § 6962(a), 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.

- I. The mission of the National Oceanic and Atmospheric Administration (hereinafter called NOAA) is to understand and predict changes in the Earth's environment and conserve and manage coastal and marine resources to meet our Nation's economic, social, and environmental needs. Authorities to participate in and conduct activities through the Cooperative Ecosystem Studies Units Network include 33 U.S.C. 883e, which gives NOAA the authority to enter into cooperative agreements with States, Federal Agencies, public or private organizations or individuals for authorized surveys or investigations and other specified purposes. In addition, under 16 U.S.C. 661, NOAA has the authority to provide assistance to, and cooperate with, Federal, State, and public or private agencies and organizations in the development, protection, rearing, and stocking of all species of wildlife, resources thereof, and their habitat, in controlling losses of the same from disease or other causes, in minimizing damages from overabundant species, among other things. NOAA also has the authority under 15 U.S.C. 2901 et seq., to enter into contracts, grants, or cooperative agreements for climate-related activities. Finally, the Coastal Zone Management Act at 16 U.S.C. 1451 et seq., grants NOAA the authority to coordinate with Federal Agencies and provide financial and technical assistance to states and territories to preserve, protect, develop, and where possible, to restore or enhance, the resources of the Nation's coastal zone for this and succeeding generations, among other things. In accordance with the authorities listed above, NOAA is authorized to enter into this cooperative agreement continuing the Chesapeake Watershed CESU to assist in providing research, technical assistance, and educational services.
- J. 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.

- K. The U.S. Department of Defense – Office of the Assistant Secretary of Defense (Energy, Installations, and Environment) (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. § 670(c)(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. 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, College Park (UMCP), the University of Maryland, Baltimore County (UMBC), and Frostburg State University (FSU). 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. 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. Home to more than 20 research centers and institutes, UMBC is a major center for cutting-edge research in the Baltimore-Washington Corridor. FSU serves as a premiere educational, economic, and cultural center for Western Maryland. 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.

- M. The partner institutions to the Host University include American University, Anne Arundel Community College, Christopher Newport University, College of William and Mary, Delaware State University, Garrett College, George Mason University, George Washington University, Howard University, Indiana University of Pennsylvania, James Madison University, The Pennsylvania State University, Shippensburg University, University of Delaware, University of the District of Columbia, University of Mary Washington, University of Richmond, University of Virginia, Virginia Commonwealth University, Virginia Institute of Marine Science, The Academy of Natural Sciences, American Bird Conservancy, National Aquarium, Virginia Department of Conservation and Recreation, and Western Pennsylvania Conservancy (hereinafter called Partner Institutions).

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;
5. Provide project funds and/or collaboration to support specific research, technical assistance and education projects, as appropriate;
6. Make available managers to serve on the Chesapeake Watershed CESU Manager's 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 Manager's 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 institution in accordance with CESU Network 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 Part 518 (Department of Defense), 32 CFR Parts 21, 22, 32, 33, and 34 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323a, 10 U.S.C. 3036(d), and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations (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 2016. Parties will have until 05 August 2016 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 2016 will not be participants in the Chesapeake Watershed CESU; such parties will remain in “inactive” status and ineligible to process 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 in writing, signed and agreed to by all signatories to this Agreement, except in cases described in Article III.C.1.a. and III.C.1.b. (below).

- a. 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 Network Council guidance, as posted on the CESU Network National Office website (www.cesu.org). All partners shall receive prior notification of amendments.
- b. 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 name changes and modifications as required by federal (e.g., OMB) financial assistance regulations, the Host University shall sign the amendment on behalf of all partners. Such amendments shall be made at the discretion of the CESU Network 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 technical representatives for the Federal Agencies are as follows:

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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 Network Council annual host institution 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), and DOD 3210.6-R, 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]).
 - 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. 114-113.
 - 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), and DOD 3210.6-R, Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers-Civil Works).

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), and DOD 3210.6-R, 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, 7 U.S.C. § 3318(b), the Interior and Related Appropriations Act of 1992 (Pub. L. 102-154), and the Wyden Amendment (Pub. L. 105-277, Section 323 as amended by Pub. L. 109-54, Section 434) (Department of Agriculture), 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). 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, handicap, religious or sex in providing of facilities and service 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), 2 CFR Part 1880 (NASA), 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), 2 CFR Part 1880 (NASA), 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);
 - iii The rate or rates of wages paid;
 - iv The number of daily and weekly hours worked by each worker;
 - v Any deductions made; and
 - vi Total wages paid.
- (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 an 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
- SF-424c – Budget for Construction
- SF-424d – Assurances for Construction

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

ARTICLE XII. ATTACHMENTS

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

- ATTACHMENT 1 – Request for Advance or Reimbursement, SF-270
- ATTACHMENT 2 – Federal Financial Report, SF-425
- ATTACHMENT 3 – ACH Payment Enrollment, SF-3881
- ATTACHMENT 4 – Example Modification Template
- ATTACHMENT 5 – Forest Service Joint Venture Agreement Provisions

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 Land Management
- B. U.S. Fish and Wildlife Service
- C. U.S. Geological Survey
- D. National Park Service

U.S. DEPARTMENT OF AGRICULTURE

- E. U.S. Forest Service
- F. Natural Resources Conservation Service

U.S. DEPARTMENT OF COMMERCE

- G. National Oceanic and Atmospheric Administration

U.S. DEPARTMENT OF DEFENSE

- H. U.S. Army Corps of Engineers – Civil Works
- I. Office of the Assistant Secretary of Defense
(Energy, Installations, and Environment)

- J. THE UNIVERSITY SYSTEM OF MARYLAND (HOST)
University of Maryland Center for Environmental Science
- K. University of Maryland, College Park
- L. University of Maryland, Baltimore County
- M. Frostburg State University

- N. American University
- O. Anne Arundel Community College
- P. Christopher Newport University
- Q. College of William and Mary
- R. Delaware State University
- S. Garrett College
- T. George Mason University
- U. George Washington University
- V. Howard University
- W. Indiana University of Pennsylvania
- X. James Madison University
- Y. The Pennsylvania State University
- Z. Shippensburg University
- AA. University of Delaware
- BB. University of the District of Columbia
- CC. University of Mary Washington
- DD. University of Richmond
- EE. University of Virginia

- FF. Virginia Commonwealth University
- GG. Virginia Institute of Marine Science
- HH. The Academy of Natural Sciences
- II. American Bird Conservancy
- JJ. National Aquarium
- KK. Virginia Department of Conservation and Recreation
- LL. Western Pennsylvania Conservancy

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

A. Bureau of Land Management

Karen Mouritsen
State Director
Eastern States Office

Date

EDDIE BELL Digitally signed by EDDIE BELL
Date: 2016.08.03 07:34:01
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Eddie W Bell, Jr.
Bureau Lead Grants Management Officer

Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

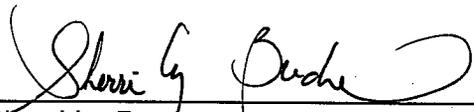
B. U.S. Fish and Wildlife Service

Paul Phifer
Assistant Regional Director
Ecological Services, Region 5

Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

C. U.S. Geological Survey

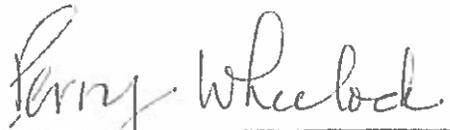


Sherri Ly Bredesen
Contracting Officer

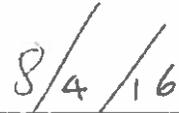
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ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

D. National Park Service



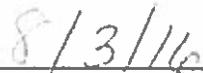
Perry Wheelock
Associate Regional Director
National Capital Region



Date



Laquita Palmer
Contracting Officer



Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

E. U.S. Forest Service

A handwritten signature in cursive script that reads "David Garrison". The signature is written in blue ink and is positioned above a solid horizontal line.

David Garrison
Grants and Agreements Specialist
Northern Research Station

7/28/16
Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

F. Natural Resources Conservation Service

RAFAEL

GUERRERO

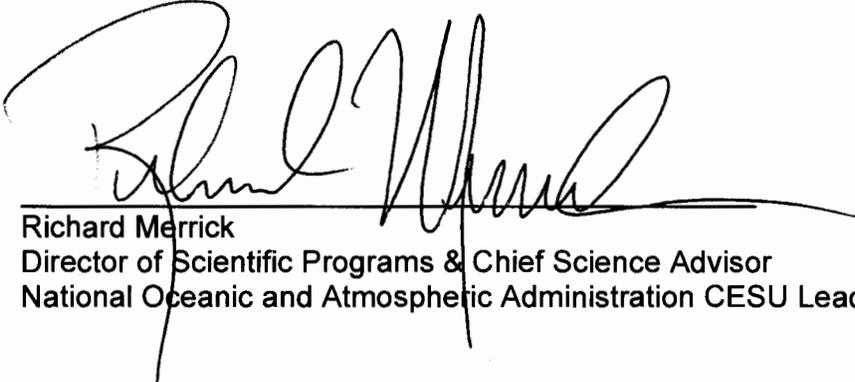
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cn=RAFAEL GUERRERO,
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Date: 2016.08.25 10:15:44 -05'00'

Kasey Taylor
Acting Deputy Chief S&T

Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

G. National Oceanic and Atmospheric Administration



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

8/10/16
Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

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

**WHITTEN.CHELSEA.
M.1139493768**

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WHITTEN.CHELSEA.M.1139493768
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ou=USA, cn=WHITTEN.CHELSEA.M.1139493768
Date: 2016.07.26 16:14:36 -05'00'

Chelsea Whitten
Lead Contract Specialist
ERDC Contracting Office

Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

I. Office of the Assistant Secretary of Defense
(Energy, Installations, and Environment)

**DALSIMER.ALLYN.
ANN.1284843602**

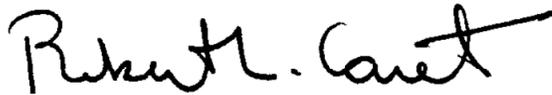
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Date: 2016.08.11 11:15:51 -04'00'

Alison A. Dalsimer
Director, DoD Natural Resources Program

Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

J. The University System of Maryland (HOST)



Robert L. Caret
Chancellor

8-26-16

Date

J.1. University of Maryland Center for Environmental Science



Angela B. Richmond
Director, Office of Research Administration and Advancement

August 3, 2016

Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

K. University of Maryland, College Park

Adam Grant

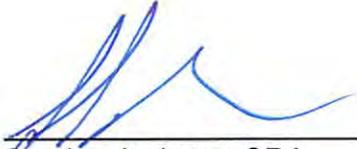
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Adam Grant
Export Compliance Officer

Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

L. University of Maryland, Baltimore County



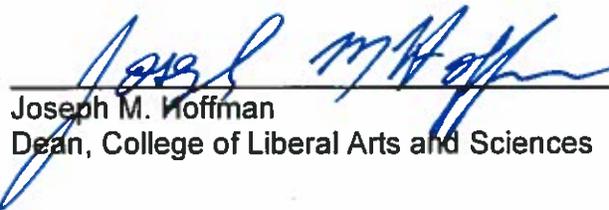
Stanley Jackson, CRA
Assistant Director, Office of Sponsored Programs



Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

M. Frostburg State University



Joseph M. Hoffman
Dean, College of Liberal Arts and Sciences

8/3/16
Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

N. American University



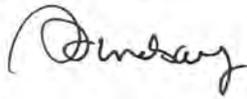
~~Scott A. Bass~~
Provost

JONATHAN G. TUBMAN
VICE PROVOST FOR RESEARCH

August 11, 2016
Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

O. Anne Arundel Community College



Dr. Dawn Lindsay
President

August 1, 2016

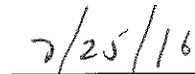
Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

P. Christopher Newport University



David C. Doughty, Jr.
Provost



Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

Q. College of William and Mary

**Randolph M.
Chambers**

Digitally signed by Randolph M.
Chambers
DN: cn=Randolph M. Chambers,
o=College of William and Mary, ou,
email=rmcham@wm.edu, c=US
Date: 2016.07.25 15:06:32 -04'00'

Randolf M. Chambers
Director, Keck Environmental Lab

Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

R. Delaware State University



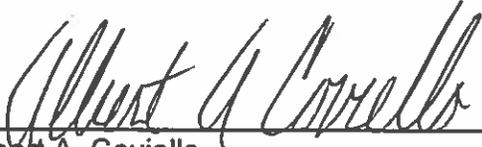
Harry Lee Williams
President

8/11/16

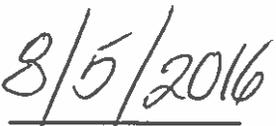
Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

S. Garrett College



Albert A. Coviello
President



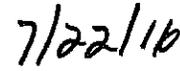
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ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

T. George Mason University



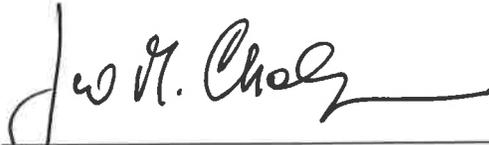
Michael Laskofski
Associate Vice President of Research Operations



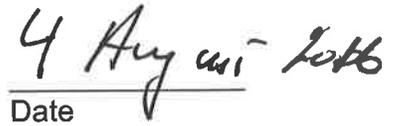
Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

U. George Washington University

A handwritten signature in black ink, appearing to read "Leo M. Chalupa", written over a horizontal line.

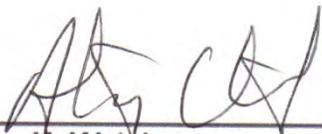
Leo M. Chalupa
Vice President for Research

A handwritten date in black ink, "4 August 2016", written over a horizontal line.

Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

V. Howard University



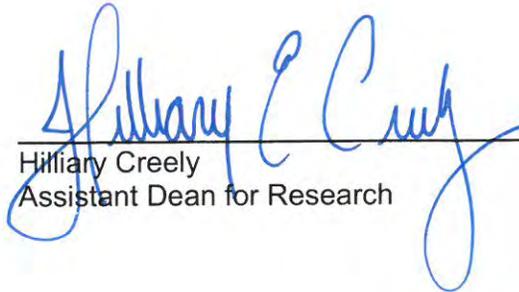
Dr. Anthony K. Wutch
Provost and Chief Academic Officer

7/25/16

Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

W. Indiana University of Pennsylvania

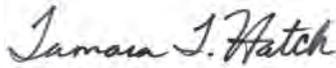


Hillary Creely
Assistant Dean for Research

08/02/14
Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

X. James Madison University



Digitally signed by
hatchtt@jmu.edu
DN: cn=hatchtt@jmu.edu
Date: 2016.07.26 08:28:30 -04'00'

Tamara T. Hatch
Interim Director, Office of Sponsored Programs

July 26, 2016
Date

University Legal Services:

This document has been reviewed and approved for signature by JMU legal counsel.

John F. Knight

Date: 7-25-2016

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

Y. Pennsylvania State University



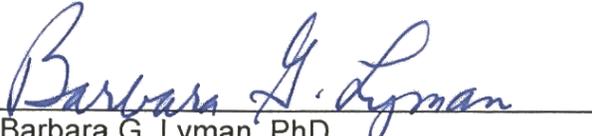
Susan J. Wiedemer
Assistant Treasurer

8/3/16

Date

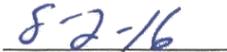
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

Z. Shippensburg University



Barbara G. Lyman, PhD

Provost and Senior Vice President for Academic Affairs

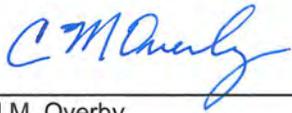


Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

AA. University of Delaware

SPH



Cordell M. Overby
Assoc. Deputy Provost, Research and Regulatory Affairs
UD Research Office

8/4/16

Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

BB. University of the District of Columbia

The obligations of the University of the District of Columbia to fulfill any financial obligation pursuant to this Agreement or any subsequent agreement entered into pursuant to this Agreement are and shall remain subject to the provisions of: (i) the federal Anti-Deficiency Act, 31 U.S.C. §§ 1341, 1342, 1349-1351, and 1511-1519 (2004), and D.C. Official Code §§ 1-206.03(e) and 47-105 (2001); (ii) the District of Columbia Anti-Deficiency Act, D.C. Official Code §§ 47-355.01-355.08 (2006 Supp.) ((i) and (ii) collectively, as may be amended from time to time, the "Anti-Deficiency Acts"); and (iii) § 446 of the District of Columbia Home Rule Act, D.C. Official Code § 1-204.46 (2006 Supp.), as may be amended from time to time.

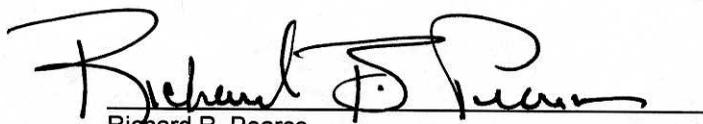


Dr. Rachel Petty
Provost and Vice President for Academic Affairs (Interim)

8/15/16
Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

CC. University of Mary Washington


Richard R. Pearce
Vice President for Administration and Finance

7/22/16
Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

DD. University of Richmond

Jacquelyn S. Fetrow, Ph.D.
Provost and Vice President for Academic Affairs

Date



8/3/16

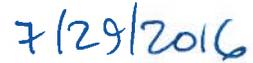
DAVID HALE
VP BUSINESS & FINANCE, TREASURER
201 MARYLAND HALL
UNIVERSITY OF RICHMOND, VA 23173

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

FF. Virginia Commonwealth University



Andrea J. Publow, MFA, CRA
Director of Sponsored Programs
Government/NonProfit Support



Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

GG. Virginia Institute of Marine Science

**Connie
Motley**

Digitally signed by
Connie Motley
Date: 2016.08.12
10:28:19 -04'00'

Connie Motley
Director of Sponsored Programs

Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

HH. The Academy of Natural Sciences



David Velinsky
Vice President for Environmental Science

7/31/10

Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

II. American Bird Conservancy



David Pashley
Vice President for U.S. Conservation Partnerships

8/10/2016

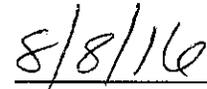
Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

JJ. National Aquarium



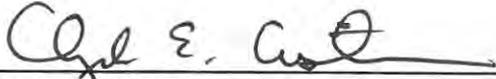
Kris Hoellen
Senior VP/ Chief Conservation Officer



Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

KK. Virginia Department of Conservation and Recreation



Clyde E. Cristman
Director, VA DCR

8-9-2016

Date

ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

LL. Western Pennsylvania Conservancy



Shaun Fenlon
Vice President, Land Conservation

24 August 2016

Date



CYNTHIA CARRON
VICE PRESIDENT, GOVERNMENT and COMMUNITY RELATIONS

Aug. 24, 2016

REQUEST FOR ADVANCE OR REIMBURSEMENT

(See instructions on back)

OMB APPROVAL NO. 0348-0004	PAGE _____ OF _____ PAGES
--------------------------------------	---------------------------

1. TYPE OF PAYMENT REQUESTED a. "X" one or both boxes <input type="checkbox"/> ADVANCE <input type="checkbox"/> REIMBURSEMENT b. "X" the applicable box <input type="checkbox"/> FINAL <input type="checkbox"/> PARTIAL	2. BASIS OF REQUEST <input type="checkbox"/> CASH <input type="checkbox"/> ACCRUAL
---	--

3. FEDERAL SPONSORING AGENCY AND ORGANIZATIONAL ELEMENT TO WHICH THIS REPORT IS SUBMITTED

4. FEDERAL GRANT OR OTHER IDENTIFYING NUMBER ASSIGNED BY FEDERAL AGENCY

5. PARTIAL PAYMENT REQUEST NUMBER FOR THIS REQUEST

6. EMPLOYER IDENTIFICATION NUMBER

7. RECIPIENT'S ACCOUNT NUMBER OR IDENTIFYING NUMBER

8. **PERIOD COVERED BY THIS REQUEST**
 FROM (month, day, year) _____ TO (month, day, year) _____

9. RECIPIENT ORGANIZATION

Name: _____

Number and Street: _____

City, State and ZIP Code: _____

10. PAYEE (Where check is to be sent if different than item 9)

Name: _____

Number and Street: _____

City, State and ZIP Code: _____

11. COMPUTATION OF AMOUNT OF REIMBURSEMENTS/ADVANCES REQUESTED

PROGRAMS/FUNCTIONS/ACTIVITIES ►	(a)	(b)	(c)	TOTAL
a. Total program outlays to date <small>(As of date)</small>	\$	\$	\$	\$
b. Less: Cumulative program income				
c. Net program outlays (Line a minus line b)				
d. Estimated net cash outlays for advance period				
e. Total (Sum of lines c & d)				
f. Non-Federal share of amount on line e				
g. Federal share of amount on line e				
h. Federal payments previously requested				
i. Federal share now requested (Line g minus line h)				
j. Advances required by month, when requested by Federal grantor agency for use in making prescheduled advances	1st month			
	2nd month			
	3rd month			

12. ALTERNATE COMPUTATION FOR ADVANCES ONLY

a. Estimated Federal cash outlays that will be made during period covered by the advance	\$
b. Less: Estimated balance of Federal cash on hand as of beginning of advance period	
c. Amount requested (Line a minus line b)	\$

I certify that to the best of my knowledge and belief the data on the reverse are correct and that all outlays were made in accordance with the grant conditions or other agreement and that payment is due and has not been previously requested.	SIGNATURE OR AUTHORIZED CERTIFYING OFFICIAL	DATE REQUEST SUBMITTED
	TYPED OR PRINTED NAME AND TITLE	TELEPHONE (AREA CODE, NUMBER, EXTENSION)

This space for agency use

Public reporting burden for this collection of information is estimated to average 60 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0004), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

INSTRUCTIONS

Please type or print legibly. Items 1, 3, 5, 9, 10, 11e, 11f, 11g, 11i, 12 and 13 are self-explanatory; specific instructions for other items are as follows:

- | <i>Item</i> | <i>Entry</i> |
|---|--|
| 2 | Indicate whether request is prepared on cash or accrued expenditure basis. All requests for advances shall be prepared on a cash basis. |
| 4 | Enter the Federal grant number, or other identifying number assigned by the Federal sponsoring agency. If the advance or reimbursement is for more than one grant or other agreement, insert N/A; then, show the aggregate amounts. On a separate sheet, list each grant or agreement number and the Federal share of outlays made against the grant or agreement. |
| 6 | Enter the employer identification number assigned by the U.S. Internal Revenue Service, or the FICE (institution) code if requested by the Federal agency. |
| 7 | This space is reserved for an account number or other identifying number that may be assigned by the recipient. |
| 8 | Enter the month, day, and year for the beginning and ending of the period covered in this request. If the request is for an advance or for both an advance and reimbursement, show the period that the advance will cover. If the request is for reimbursement, show the period for which the reimbursement is requested. |
| Note: The Federal sponsoring agencies have the option of requiring recipients to complete items 11 or 12, but not both. Item 12 should be used when only a minimum amount of information is needed to make an advance and outlay information contained in item 11 can be obtained in a timely manner from other reports. | |
| 11 | The purpose of the vertical columns (a), (b), and (c) is to provide space for separate cost breakdowns when a project has been planned and budgeted by program, function, or |

- | <i>Item</i> | <i>Entry</i> |
|-------------|---|
| | activity. If additional columns are needed, use as many additional forms as needed and indicate page number in space provided in upper right; however, the summary totals of all programs, functions, or activities should be shown in the "total" column on the first page. |
| 11a | Enter in "as of date," the month, day, and year of the ending of the accounting period to which this amount applies. Enter program outlays to date (net of refunds, rebates, and discounts), in the appropriate columns. For requests prepared on a cash basis, outlays are the sum of actual cash disbursements for goods and services, the amount of indirect expenses charged, the value of in-kind contributions applied, and the amount of cash advances and payments made to subcontractors and subrecipients. For requests prepared on an accrued expenditure basis, outlays are the sum of the actual cash disbursements, the amount of indirect expenses incurred, and the net increase (or decrease) in the amounts owed by the recipient for goods and other property received and for services performed by employees, contracts, subgrantees and other payees. |
| 11b | Enter the cumulative cash income received to date, if requests are prepared on a cash basis. For requests prepared on an accrued expenditure basis, enter the cumulative income earned to date. Under either basis, enter only the amount applicable to program income that was required to be used for the project or program by the terms of the grant or other agreement. |
| 11d | Only when making requests for advance payments, enter the total estimated amount of cash outlays that will be made during the period covered by the advance. |
| 13 | Complete the certification before submitting this request. |

FEDERAL FINANCIAL REPORT

(Follow form instructions)

1. Federal Agency and Organizational Element to Which Report is Submitted	2. Federal Grant or Other Identifying Number Assigned by Federal Agency (To report multiple grants, use FFR Attachment)	Page of 1 pages
---	---	-----------------------

3. Recipient Organization (Name and complete address including Zip code)

4a. DUNS Number	4b. EIN	5. Recipient Account Number or Identifying Number (To report multiple grants, use FFR Attachment)	6. Report Type <input type="checkbox"/> Quarterly <input type="checkbox"/> Semi-Annual <input type="checkbox"/> Annual <input type="checkbox"/> Final	7. Basis of Accounting <input type="checkbox"/> Cash <input type="checkbox"/> Accrual
-----------------	---------	---	---	---

8. Project/Grant Period (Month, Day, Year) From: _____ To: _____	9. Reporting Period End Date (Month, Day, Year)
---	---

10. Transactions	Cumulative
------------------	------------

(Use lines a-c for single or combined multiple grant reporting)

Federal Cash (To report multiple grants separately, also use FFR Attachment):

a. Cash Receipts	
b. Cash Disbursements	
c. Cash on Hand (line a minus b)	

(Use lines d-o for single grant reporting)

Federal Expenditures and Unobligated Balance:

d. Total Federal funds authorized	
e. Federal share of expenditures	
f. Federal share of unliquidated obligations	
g. Total Federal share (sum of lines e and f)	
h. Unobligated balance of Federal funds (line d minus g)	

Recipient Share:

i. Total recipient share required	
j. Recipient share of expenditures	
k. Remaining recipient share to be provided (line i minus j)	

Program Income:

l. Total Federal share of program income earned	
m. Program income expended in accordance with the deduction alternative	
n. Program income expended in accordance with the addition alternative	
o. Unexpended program income (line l minus line m or line n)	

11.	a. Type	b. Rate	c. Period From	Period To	d. Base	e. Amount Charged	f. Federal Share
Indirect Expense							
						g. Totals:	

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation:

13. Certification: By signing this report, I certify to the best of my knowledge and belief that the report is true, complete, and accurate, and the expenditures, disbursements and cash receipts are for the purposes and intent set forth in the award documents. I am aware that any false, fictitious, or fraudulent information may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 18, Section 1001)

a. Typed or Printed Name and Title of Authorized Certifying Official	c. Telephone (Area code, number, and extension)
	d. Email Address
b. Signature of Authorized Certifying Official	e. Date Report Submitted (Month, Day, Year)

14. Agency use only:

Standard Form 425 - Revised 10/11/2011
OMB Approval Number: 0348-0061
Expiration Date: 2/28/2015

Paperwork Burden Statement
According to the Paperwork Reduction Act, as amended, no persons are 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 0348-0061. Public reporting burden for this collection of information is estimated to average 1.5 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0061), Washington, DC 20503.

**ACH VENDOR/MISCELLANEOUS PAYMENT
ENROLLMENT FORM**

OMB No. 1510-0056

This form is used for Automated Clearing House (ACH) payments with an addendum record that contains payment-related information processed through the Vendor Express Program. Recipients of these payments should bring this information to the attention of their financial institution when presenting this form for completion. See reverse for additional instructions.

PRIVACY ACT STATEMENT

The following information is provided to comply with the Privacy Act of 1974 (P.L. 93-579). All information collected on this form is required under the provisions of 31 U.S.C. 3322 and 31 CFR 210. This information will be used by the Treasury Department to transmit payment data, by electronic means to vendor's financial institution. Failure to provide the requested information may delay or prevent the receipt of payments through the Automated Clearing House Payment System.

AGENCY INFORMATION

FEDERAL PROGRAM AGENCY		
AGENCY IDENTIFIER:	AGENCY LOCATION CODE (ALC):	ACH FORMAT: <input type="checkbox"/> CCD+ <input type="checkbox"/> CTX
ADDRESS:		
CONTACT PERSON NAME:		TELEPHONE NUMBER: ()
ADDITIONAL INFORMATION:		

PAYEE/COMPANY INFORMATION

NAME	SSN NO. OR TAXPAYER ID NO.
ADDRESS	
CONTACT PERSON NAME:	TELEPHONE NUMBER: ()

FINANCIAL INSTITUTION INFORMATION

NAME:	
ADDRESS:	
ACH COORDINATOR NAME:	TELEPHONE NUMBER: ()
NINE-DIGIT ROUTING TRANSIT NUMBER: _ _ _ _ _	
DEPOSITOR ACCOUNT TITLE:	
DEPOSITOR ACCOUNT NUMBER:	LOCKBOX NUMBER:
TYPE OF ACCOUNT: <input type="checkbox"/> CHECKING <input type="checkbox"/> SAVINGS <input type="checkbox"/> LOCKBOX	
SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL: (Could be the same as ACH Coordinator)	TELEPHONE NUMBER: ()

Instructions for Completing SF 3881 Form

Make three copies of form after completing. Copy 1 is the Agency Copy; copy 2 is the Payee/Company Copy; and copy 3 is the Financial Institution Copy.

1. Agency Information Section - Federal agency prints or types the name and address of the Federal program agency originating the vendor/miscellaneous payment, agency identifier, agency location code, contact person name and telephone number of the agency. Also, the appropriate box for ACH format is checked.
2. Payee/Company Information Section - Payee prints or types the name of the payee/company and address that will receive ACH vendor/miscellaneous payments, social security or taxpayer ID number, and contact person name and telephone number of the payee/company. Payee also verifies depositor account number, account title, and type of account entered by your financial institution in the Financial Institution Information Section.
3. Financial Institution Information Section - Financial institution prints or types the name and address of the payee/company's financial institution who will receive the ACH payment, ACH coordinator name and telephone number, nine-digit routing transit number, depositor (payee/company) account title and account number. Also, the box for type of account is checked, and the signature, title, and telephone number of the appropriate financial institution official are included.

Burden Estimate Statement

The estimated average burden associated with this collection of information is 15 minutes per respondent or recordkeeper, depending on individual circumstances. Comments concerning the accuracy of this burden estimate and suggestions for reducing this burden should be directed to the Financial Management Service, Facilities Management Division, Property and Supply Branch, Room B-101, 3700 East West Highway, Hyattsville, MD 20782 and the Office of Management and Budget, Paperwork Reduction Project (1510-0056), Washington, DC 20503.

[Agency Partner Name] – Project Summary



**[CESU Name] Cooperative Ecosystem Studies Unit
Agreement Modification Form**

FUNDING AGENCY:

SUB-AGREEMENT/MODIFICATION NUMBER:
[CESU USE ONLY]

COOPERATIVE AGREEMENT NUMBER:

FUNDING AMOUNT:

PROJECT TITLE:

EFFECTIVE PROJECT DATES:

PROJECT PURPOSE:

STATEMENT OF MUTUAL BENEFIT AND INTEREST:

Key Words:

Federal Agency Contact(s) and Signature(s)		Partner Signature(s)	
<p>[Agency] Project Technical Representative & Project Leader:</p> <p>Technical Rep:</p> <p>Address:</p> <p>Phone:</p> <p>Fax:</p> <p>Email:</p> <p>Project Leader:</p> <p>Phone:</p> <p>Email:</p> <p>No Signature Needed</p>	<p>[Agency] Administrator:</p> <p>Signature: _____</p> <p>Date: _____</p>	<p>Principal Investigator:</p> <p>Signature: _____</p> <p>Date: _____</p>	<p>Agreement / Grant Administrator:</p> <p>Signature: _____</p> <p>Date: _____</p>

Project Type: Research ____ Technical Assistance ____ Education ____

Project Discipline(s): Biological ____ Cultural ____ Physical ____ Social ____ Interdisciplinary ____

Annual Performance Report Required:

Report(s) Received:

Publications on File:

This Modification is subject to all the provisions included in the CESU Agreement [Insert Agency Agreement Number]

[CESU Name] CESU Tracking #:

Forest Service Agreement No. 16-JV-11242306-140

**CHESAPEAKE WATERSHED
COOPERATIVE ECOSYSTEM STUDIES UNIT**

**USDA FOREST SERVICE, NORTHERN RESEARCH STATION
JOINT VENTURE AGREEMENT ATTACHMENT**

This JOINT VENTURE AGREEMENT is hereby made and entered into by and between the Chesapeake Watershed Cooperative Ecosystems Studies Unit having the University System of Maryland as the Host, hereinafter referred to as "CW CESU," 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).

The following provisions are incorporated into the Master CW CESU and are applicable to subsequent CW CESU Task Agreements where the USDA, Forest Service, Northern Research Station is a party. In consideration of the above premises, the parties (Task Agreement Cooperator) agree as follow:

- A. **LEGAL AUTHORITY:** 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.** Cooperator shall comply with environmental standards pursuant to the notification of violating facilities in E.O. 11738.
- C. **NOTICES.** Any communications affecting the operations covered by this agreement given by the U.S. Forest Service or 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 Task Agreement.

To Cooperator, at Cooperator's address shown in the Task 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 Cooperator from participating in similar activities with other public or private agencies, organizations, and individuals.
- E. ENDORSEMENT. Any of Cooperator's contributions made under this agreement do not by direct reference or implication convey U.S. Forest Service endorsement of Cooperator's products or activities.
- F. USE OF U.S. FOREST SERVICE INSIGNIA. In order for 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 Cooperator to the Office of Communications Assistant Director, Visual Information and Publishing Services prior to use of the insignia. The U.S. Forest Service Program Manager will notify the Cooperator when permission is granted.
- G. 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.



- H. ELIGIBLE WORKERS. 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). Cooperator shall comply with regulations regarding certification and retention of the completed forms. These requirements also apply to any contract awarded under this agreement.
- I. SYSTEM FOR AWARD MANAGEMENT REGISTRATION REQUIREMENT (SAM). 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.
- J. 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

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

Cooperator shall maintain effective control over and accountability for all U.S. Forest Service funds, real property, and personal property assets. 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 cooperators shall adequately safeguard all such property and shall ensure that it is used solely for authorized purposes.

4. Source Documentation

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.



5. Advance Payments

When applicable, Cooperator shall establish and maintain specific procedures to minimize the time elapsing between the advance of federal funds and their subsequent disbursement. Any advance requested by Cooperator must be expended within 30 days of receipt.

- K. 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.

L. 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.

M. PROGRAM INCOME – PARTNERSHIP AGREEMENTS.

1. 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 cooperatoer 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, 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, 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.
- N. OVERPAYMENT. Any funds paid to Cooperator in excess of the amount entitled under the terms and conditions of this CESU and Task Agreements constitute a debt to the Federal Government. The following must also be considered as a debt or debts owed by 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 cooperator.
3. Taking other action permitted by statute (31 U.S.C. 3716 and 7 CFR, Part 3, Subpart B).

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



- O. AGREEMENT CLOSEOUT. Cooperator shall close out the CW CESU Task Agreement within 90 days after expiration or notice of termination.

Any unobligated balance of cash advanced to 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 90 days following the date of expiration or termination of the Task Agreement, all financial, performance and related reports required by the terms of the agreement must be submitted to the U.S. Forest Service.

If a Task 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.

- P. RETENTION AND ACCESS REQUIREMENTS FOR RECORDS. Cooperator shall retain all records pertinent to Task Agreements 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. 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.

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.

- Q. 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).



- R. 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.
- S. CONTRACT REQUIREMENTS. Any contract under this agreement must be awarded following cooperator's established procurement procedures, to ensure free and open competition, and avoid any conflict of interest (or appearance of a conflict). Cooperator must maintain cost and price analysis documentation for potential U.S. Forest Service review. Cooperator is/are encouraged to utilize small businesses, minority-owned firms, and women's business enterprises.
- T. GOVERNMENT-FURNISHED PROPERTY. Cooperator may only use U.S. Forest Service property furnished under this agreement for performing tasks assigned in this agreement. 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, 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 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 cooperator's managerial personnel. Cooperator's managerial personnel, in this clause, means Cooperator's directors, officers, managers, superintendents, or equivalent representatives who have supervision or direction of all or substantially all of cooperator's business; all or substantially all of cooperator's operation at any one plant or separate location; or a separate and complete major industrial operation.



2. Cooperator shall take all reasonable actions necessary to protect the Government property from further loss, damage, destruction, or theft. 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. 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, 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.
- U. U.S. FOREST SERVICE ACKNOWLEDGED IN PUBLICATIONS, AUDIOVISUALS, AND ELECTRONIC MEDIA. Cooperator shall acknowledge U.S. Forest Service support in any publications, audiovisuals, and electronic media developed as a result of this agreement.
- V. NONDISCRIMINATION STATEMENT – PRINTED, ELECTRONIC, OR AUDIOVISUAL MATERIAL. 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."

- W. REMEDIES FOR COMPLIANCE RELATED ISSUES. If 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 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 Task Agreement for 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.
- X. TERMINATION BY MUTUAL AGREEMENT. This agreement may be terminated, in whole or part, as follows:
1. When the U.S. Forest Service and 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 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, 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 Cooperator for the United States Federal share of the non-cancelable obligations properly incurred by Cooperator up to the effective date of the termination. Excess funds shall be refunded within 60 days after the effective date of termination.
- Y. 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.
- Z. DEBARMENT AND SUSPENSION. 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 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.

- AA. INTERNATIONAL TRAVEL. When U.S. Forest Service funds are used, and no Federal, statutory exceptions apply, 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).
- BB. COPYRIGHTING. 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 Cooperator under this agreement.
 2. Any right of copyright to which Cooperator purchase(s) ownership with any Federal contributions.
- CC. 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%20 scientific_ethics.pdf](http://www.fs.fed.us/research/publications/fs_code_of%20scientific_ethics.pdf)
- DD. 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; Republication” and the “USDA Guidelines for Quality of Information” which can be found at <http://www.fs.fed.us/qoi/>.
- EE. 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:



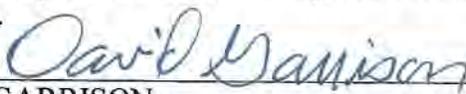
- (a) The recipient may not require its employees, contractors, or subrecipients seeking to report fraud, waste, or abuse to sign or comply with internal confidentiality agreements or statements prohibiting or otherwise restricting them from lawfully reporting that waste, fraud, or abuse to a designated 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

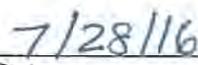
(2) May pursue other remedies available for the recipient's material failure to comply with award terms and conditions.

- FF. 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 30 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.

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



DAVID GARRISON
U.S. Forest Service Grants Management Specialist



Date



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.