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The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

January 28, 2015

Her Excellency, Governor Margaret Wood Hassan
 and The Honorable Council
 State House
 Concord, NH 03301

REQUESTED ACTION

Authorize the Department of Environmental Services (DES) to enter into a **SOLE SOURCE** Joint Funding Agreement with the U.S. Geological Survey (USGS), Pembroke, NH, (VC 175772-P001) in the amount of \$80,000 to conduct state-wide spatial analyses and hydrologic modeling to project the impacts of increased temperature and precipitation on stream flow and groundwater recharge, effective upon approval of Governor and Council through June 30, 2016. 100% Federal Funds.

Funding is available in the account as follows with the authority to adjust encumbrances in each of the State fiscal years through the Budget Office if needed and justified. Funding for FY 2016 is contingent upon continuing appropriation and availability of funds.

03-44-44-442010-3642-102-500731	<u>FY 2015</u>	<u>FY 2016</u>	<u>Total</u>
Dept. Environmental Services,	\$40,000	\$40,000	\$80,000
Coastal Zone Management, Contracts for Program Services – Federal			

EXPLANATION

This agreement is **SOLE SOURCE** because the USGS, a federal agency within the U.S. Department of the Interior, has unique qualifications for this type of work, including previous publications and experience with climate watershed modeling in New Hampshire as well as access to resources, including expert scientists and climate related information. The USGS has been an active participant in previous climate planning teams and has built a solid academic reputation in this field. In addition, as this is a Joint Funding Agreement with USGS, it is uniquely leveraging \$70,000 of federal resources to support the project. Without the leveraged funds this project could not occur.


The purpose of this project is to conduct modeling to help evaluate the vulnerability of human health and infrastructure to changes in hydrology due to climate change. The need to understand the effects of climate change on future stream conditions is critical so that resource managers can develop plans to evaluate potential hydrologic change with regard to stream habitat, erosion, and maintenance of bridges and culverts among other things. Modeling tools need to be developed that can simulate probable future hydrologic conditions. As a result of this project, planners, municipal staff, agency

staff, and others will have new data to help understand and adapt to probable future climate impacts to stream flow and ground water recharge.

Total project costs are budgeted at \$150,000.00. DES will provide \$80,000.00 of the project costs through a federal grant. USGS will provide \$70,000.00 in leveraged federal funds.

In the event that Federal Funds become no longer available, General Funds will not be requested to support the project. This agreement has been approved by the Office of the Attorney General as to form, execution and content.

We respectfully request your approval.


Thomas S. Burack, Commissioner

**U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

JOINT FUNDING AGREEMENT

Customer #: 6000000093
Agreement #: 15ENNH000000003
Project #:
TIN #: 02-6000618
Fixed Cost
Agreement YES

FOR

WATER RESOURCES INVESTIGATIONS

THIS AGREEMENT is entered into as of the, 1ST day of APRIL, 2015 by the U.S. GEOLOGICAL SURVEY, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the NH-DEPARTMENT OF ENVIRONMENTAL SERVICES, party of the second part.

1. The parties hereto agree that subject to availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation A STUDY TO HELP PREDICT HYDROLOGIC RESPONSE TO CHANGES IN GLOBAL CLIMATE CHANGE herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50; and 43 USC 50b.
2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) includes In-Kind Services in the amount of
 - (a) by the party of the first part during the period

Amount	Date	to	Date
\$70,000.00	April 1, 2015		June 30, 2016
 - (b) by the party of the second part during the period

Amount	Date	to	Date
\$80,000.00	April 1, 2015		June 30, 2016
 - (c) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.
 - (d) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.
3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.
4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.
5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.
6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner either party may terminate this agreement upon 60 days written notice to the other party.

- 7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.
- 8. The maps, records, or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records, or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program and, if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at costs, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records, or reports published by either party shall contain a statement of the cooperative relations between the parties.
- 9. USGS will issue billings utilizing Department of the Interior Bill for Collection (form DI-1040). Billing documents are to be rendered Quarterly. Payments of bills are due within 60 days after the billing date. If not paid by the due date, interest will be charged at the current Treasury rate for each 30 day period, or portion thereof, that the payment is delayed beyond the due date. (31 USC 3717; Comptroller General File B-212222, August 23, 1983).

**U.S. Geological Survey
United States
Department of the Interior**

**State of New Hampshire
Department of Environmental Services**


USGS Point of Contact


Customer Point of Contact

Name: Joseph Ayotte
 Address: 331 Commerce Way
 Pembroke, NH03275
 Telephone: 603-226-7810
 Email: jayotte@usgs.gov

Name: Steve Couture
 Address: 222 International Drive, Suite 175
 Portsmouth, NH 03801
 Telephone:
 Email:

Signatures and Date

Signature:  Date: 1/22/15
 Name: Keith W. Robinson
 Title: Director

Signature:  Date: 2/10/2015
 Name: Thomas S. Burack
 Title: Commissioner

Task Number: 306-22

Task: Assessment of Hydrologic Change due to Climate Change in New Hampshire: Simulation of Current and Future Water Streamflow, Snowmelt, and Groundwater Recharge Using the Precipitation Runoff Modeling System

Applicant: USGS, NH Office of the New England Water Science Center

Contact: Joseph Ayotte, Chief, NH - VT Office Groundwater Investigations and Research Section

Task description:

Background and Problem Statement

This proposed project will build on work already completed that developed a watershed runoff model for the Long Island Sound Watershed, including the Connecticut, Thames, and Housatonic Rivers (Bjerklie and others, 2011), and a U.S. Geological Survey (USGS) New England regional Precipitation Runoff Modeling System (PRMS) model that has been developed as part of a USGS effort to build a continental scale National Hydrology Model (Lauren Hay and Steve Markstrom, personal communication 2014). This latter model is currently being used in a USGS study in New Hampshire. Both models employ an approximate HUC 12 (10 – 20 square mile area) scale sub-watershed characterization to define the distribution of water balance variables. PRMS has been applied in many locations throughout the United States at various scales (Bjerklie and others, 2011; Bjerklie and others, 2010) and has available support from the USGS National Research Program for both application and data needs, including access to climate change data sets.

The State of New Hampshire has been tasked with evaluating the vulnerability of human health and infrastructure to changes in hydrology due to climate change. The need to understand the effects of climate change on future stream conditions is critical so that resource managers can develop plans to evaluate potential hydrologic change with regard to stream habitat, erosion, and maintenance of bridges and culverts among other things. Modeling tools need to be developed that can simulate probable future hydrologic conditions and stream temperature. The tools need to provide confidence that the projected magnitude and distribution of changes are reasonable and consistent across the northeast, but do not necessarily have to provide absolute accuracy in and of itself. Estimates of the error both in magnitude and direction of change are also necessary to understand the degree of certainty involved in the indices of change.

Approach and Scope of Work

This project uses existing GCMs as input to develop rainfall-runoff models (PRMS) of the hydrologic response to future climate change scenarios. It was recently (2014) piloted in four small watersheds in New Hampshire as part of a tool-building demonstration project under the State of New Hampshire's Climate Change and Public Health Program (CHP) funded by the Centers for Disease Control and Prevention. The NHDHHS and NHDES need to translate the risk of flood and drought into a simple tool that can be used by local partners. A display tool for atmospheric climate change projections is in beta-testing at the University of New Hampshire (UNH) EPSCoR program (NH EPSCoR Program), yet a tool for hydrologic projections does not yet exist. The USGS proposes that model output can be hosted on the USGS public website for New Hampshire. The exact form for the data visualization will be developed as part of this

project, such that it meets USGS data quality requirements and the needs of the State. The NH program seeks to build resiliency against climate change effects by having the tools needed to make decisions about natural and cultural resources. The model computes the water balance and routes water through the hydrologic system represented by the hydrologic response unit (HRU) into a receiving river reach. The water is then routed through the river reach to adjoining downstream reaches.

The input to the PRMS model consists of mean daily precipitation, maximum daily air temperature, and minimum daily air temperature. The daily model output of the various hydrologic variables, especially river discharge, groundwater recharge, soil moisture, snowfall and snowmelt, and direct surface runoff can be used to evaluate potential hydrologic change and are of great interest to the partners and stakeholders in New Hampshire who must make decisions about the protection of ecosystems and infrastructure as well as the transmission of vector-borne disease, mold, and other ailments related to changes in hydrologic systems. The study proposes to fully develop and calibrate the existing PRMS model at an approximate HUC 12 scale for the State of New Hampshire.

The PRMS model input data sets will be developed for a current baseline period (1980 – 2011), a mid-21st century time frame and an end-of-21st century time frame. The development of these input data sets will be undertaken in consultation with Cameron Wake and the Sustainability Institute of UNH to provide consistency between UNH and USGS climate information. The input data sets will be designed to characterize the variability that is inherent in the GCMs, and to insure compatibility with the PRMS model. The model will be used to generate daily time series of future hydrologic data based on future climate scenarios derived from the output of general circulation models (GCMs) available through the USGS geodata portal and other sources.

We will assess the output from the model at the annual, monthly, and daily time frame for individual GCM and emission scenarios, and as an ensemble, in order to provide an expected statistical range of possible future hydrologic outcomes. We will consider mid-21st century and end-of-21st century time frames, each 20 to 30 years in length in order to provide sufficient data for statistical analysis. Additionally, the model will be used to look at the sensitivity of the hydrologic variables to land use change. As part of this project, a meeting with State representatives from the New Hampshire Department of Health and Human Services (NHDHHS), the New Hampshire Department of Environmental Services (NHDES,) the New Hampshire Department of Transportation (NHDOT), the Sustainability Institute of the University of New Hampshire (UNH) and possibly other agencies will be convened to assess which hydrologic variables are of most interest to the State for planning and analysis, and to develop the input data sets that will be used in the PRMS model. A USGS Scientific Investigation Report describing the data and models used to generate the data will be prepared and made available as an electronic publication.

Proposed Scope of Work and Products

Task 1 – Develop input data sets for PRMS for the current period and for future climate. Two current period data sets will be developed, one to calibrate the model, and the other to compare against the future climate data sets. This latter current period input data set will be based on the same climate models used to develop the future climate input data

sets. The future climate input data will be developed from USGS hosted GCM model output and from ensemble data compiled from various GCMs by Cameron Wake at the University of New Hampshire. The future time period data sets will be developed in consultation with NHDHHS, NHDES, and UNH, and will consist of mid- 21st century input data and end-of-21st century input data including mean daily precipitation, mean daily maximum and mean daily minimum temperature.

Task 2 – Calibrate the PRMS model for the State of New Hampshire using 40 USGS streamflow gages as calibration points, and general data on precipitation, snowfall and evapotranspiration..

Task 3- Run the PRMS model for the current calibration period using DAYMET weather input and compare against the USGS gage data for the same time period. Comparison will include streamflow, evapotranspiration, groundwater recession and baseflow percentage, and snowfall.

Task 4 – Run the PRMS model using input from 5 GCMs and two emission scenarios (best and worst cases) for the current, mid-century, and end-of-century time periods. Simulation output will include streamflow, snowmelt, groundwater baseflow and recharge.

Task 5 – Tabulate the daily output to compare changes in total, mean, and frequency of occurrence, and plot the simulation output as monthly and daily hydrographs and frequency curves to facilitate comparison of the change between current and future hydrologic conditions as a function of GCM and emission scenario. .

Task 6 - Summary documentation as a USGS Open-file report including delivery of model simulation data as a working product.

Task 7- Collaborate on a viable plan to translate the model simulation results into a web display tool that allows users to query the hydrologic model results by time, place and vulnerabilities (i.e. to flood or drought). This can be done through linking the data by HRU and stream segment to a GIS layer. We anticipate that the GIS data and layer can be hosted on the New Hampshire GRANIT website. The exact form of the data, which data elements to display, and the details of the website will be developed through the collaborative plan.

Task Outcomes:

Interim Progress Report #1

A progress report shall be submitted summarizing project activity from the start date of the grant through June 30, 2015.

Outcome end date: June 30, 2015

Interim Progress Report #2

A progress report shall be submitted summarizing project activity from July 1, 2015 – December 31, 2015.

Outcome end date: December 31, 2015

Final Report

USGS shall prepare and submit a Final Report summarizing all project activity during the life of the grant.

Outcome end date: June 30, 2016

Task Funding:

Federal:	\$ 80,000
Other Federal:	\$ 70,000
Non-Federal:	\$ 0
Total:	\$150,000



**Appendix A
Part 205, Chapter 13**

USGS DELEGATIONS OF AUTHORITY TO ENTER INTO AGREEMENTS AND TO ACCEPT CONTRIBUTIONS		
AUTHORITY	AUTHORITY DELEGATED TO <i>(THESE AUTHORITIES MAY NOT BE REDELEGATED UNLESS SPECIFIED IN THE DELEGATION)</i> :	DOCUMENTATION REQUIRED/REMARKS
<p>A. Approve Agreements for work with States, Counties, Municipalities, and other Governmental Subdivisions; U.S. Territories; Native American Tribal Governments; DC Government [43 U.S.C.50]</p> <p>A-1. Approve Standard Joint Funding Agreement (JFA) using Form 9-1366 (without change)</p> <p>A-2. Approve Non-Standard JFA</p> <p>A-3. Approve the following Non-Standard JFA Exceptions:</p> <p>(a) Non-Standard JFA where the only change to the Form 9-1366 is a statement on maintaining a drug free workplace; on abiding by Federal non-discrimination laws; or that the USGS may not contract the work to another party without the prior consent of the cooperator in writing</p> <p>(b) Non-Standard JFA in following years with a cooperator if the initial JFA with that cooperator had been reviewed by the Office of Policy and Analysis. Changes to the scope of work, amount of money, and /or period of performance are authorized. Otherwise, the agreement with the cooperator should</p>	<p>Office Chiefs (see Note at bottom of page 11 for these positions) reporting to the Director/Deputy Director and Managers and Supervisors who report directly to a Senior Executive Service (SES) Manager</p> <p>Office Chiefs reporting to the Director/Deputy Director and Managers and Supervisors who report directly to a SES Manager</p> <p>Office Chiefs reporting to the Director/Deputy Director and Managers and Supervisors who report directly to a SES Manager</p>	<p>Use of the Form 9-1366 is encouraged.</p> <p>The USGS Checklist for Reimbursable Agreements must be completed and a copy must be maintained with the approved agreement.</p> <p>Review and approval by the Office of Policy and Analysis is required prior to signing the agreement.</p>



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AUTHORITY	AUTHORITY DELEGATED TO <i>(THESE AUTHORITIES MAY NOT BE REDELEGATED UNLESS SPECIFIED IN THE DELEGATION)</i> :	DOCUMENTATION REQUIRED/REMARKS
<p>remain the same as that initially approved. The delegatee is responsible for ensuring that changes made are authorized.</p>		
<p>B. Intergovernmental Cooperation Act Agreements (not for use with U.S. Territories, Native American Tribal Governments) [31 U.S.C. § 6505]</p>		<p>See SM 500.27, Intergovernmental Cooperation Act Agreements with State and Local Units of Government and Figure 27-1, Intergovernmental Cooperation Act Agreement Template.</p> <p>The USGS Checklist for Reimbursable Agreements must be completed and a copy must be maintained with the approved agreement.</p>
<p>B-1. Approve Intergovernmental Cooperation Act Agreements using the USGS template (without change)</p>	<p>Office Chiefs reporting to the Director/Deputy Director and Managers and Supervisors who report directly to a SES Manager</p>	
<p>B-2. Approve Intergovernmental Cooperation Act Agreements using terms and conditions other than those provided in the USGS template</p>	<p>Office Chiefs reporting to the Director/Deputy Director and Managers and Supervisors who report directly to a SES Manager</p>	<p>Review and approval by the Office of Policy and Analysis is required prior to signing agreement.</p>
<p>B-3. Approve the following Intergovernmental Cooperation Act Agreement exceptions:</p> <p>(a) Where the only change is a statement on maintaining a drug-free workplace; on abiding by Federal non-discrimination laws; or that the USGS may not contract the work to another party without the prior consent of the cooperator in writing</p>	<p>Office Chiefs reporting to the Director/Deputy Director and Managers and Supervisors who report directly to a SES Manager</p>	



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USGS DELEGATIONS OF AUTHORITY TO ENTER INTO AGREEMENTS AND TO ACCEPT CONTRIBUTIONS		
AUTHORITY	AUTHORITY DELEGATED TO (THESE AUTHORITIES MAY NOT BE REDELEGATED UNLESS SPECIFIED IN THE DELEGATION):	DOCUMENTATION REQUIRED/REMARKS
<p>(b) In following years with a cooperator if the initial Intergovernmental Cooperation Act Agreement had been reviewed by the Office of Policy and Analysis. Changes to the scope of work, amount of money, and/or period of performance are authorized. Otherwise, the agreement with the cooperator should remain the same as that initially approved. The delegatee is responsible for ensuring that changes made are authorized.</p>		
<p>C. Approve agreements to perform work for Other Federal Agencies</p>	<p>Office Chiefs reporting to the Director/Deputy Director and Managers and Supervisors who report directly to an SES Manager</p>	<p>See SM 500.3.</p> <p>The USGS Checklist for Reimbursable Agreements must be completed and a copy must be maintained with the approved agreement.</p>
<p>D. Approve Collaborative Agreements with States, Counties, Municipalities, educational institutions, private entities, and non-profit organizations; [43 U.S.C. 36c]</p>		<p>Contact Office of Policy and Analysis for agreement template.</p> <p>The USGS Checklist for Reimbursable Agreements must be completed and a copy must be maintained with the approved agreement.</p> <p>Collaborative agreements with private entities and non-profit organizations require review by the EADR.</p> <p>Review and approval by the Office of Policy and Analysis is required prior to signing the agreement.</p>

USGS DELEGATIONS OF AUTHORITY TO ENTER INTO AGREEMENTS AND TO ACCEPT CONTRIBUTIONS		
AUTHORITY	AUTHORITY DELEGATED TO <i>(THESE AUTHORITIES MAY NOT BE REDELEGATED UNLESS SPECIFIED IN THE DELEGATION)</i> :	DOCUMENTATION REQUIRED/REMARKS
<p>D-1. Approve Standard Collaborative Agreement</p>	<p>Office Chiefs reporting to the Director/Deputy Director and Managers and Supervisors who report directly to a SES Manager</p>	
<p>D-2. Approve Non-Standard Collaborative Agreement using terms and conditions other than those provided in the USGS template</p>	<p>Office Chiefs reporting to the Director/Deputy Director and managers and supervisors who report directly to a SES Manager</p>	
<p>D-3. Approve the following Non-Standard Collaborative Agreement exceptions:</p> <p>(a) Non-Standard Collaborative Agreement where the only change to the template is a statement on maintaining a drug-free workplace; on abiding by Federal non-discrimination laws; or that the USGS may not contract the work to another party without the prior consent of the cooperator in writing</p> <p>(b) Non-Standard Collaborative Agreement in following years with a cooperator if the initial Collaborative Agreement with that cooperator had been reviewed by the Office of Policy and Analysis. Changes to the scope of work, amount of money, and/or period of performance are authorized. Otherwise, the agreement with the cooperator should remain the same as that initially approved. The delegatee is responsible for ensuring that changes made are authorized.</p>	<p>Office Chiefs reporting to the Director/Deputy Director and managers and supervisors who report directly to a SES Manager</p>	
<p>E. Approve Interagency Agreements involving an outflow of funds from the USGS to another Federal agency</p>	<p>This delegation remains in SM 205.4, Procurement</p>	<p>See SM 205.4E-1 and SM 405.7.</p>



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AUTHORITY	AUTHORITY DELEGATED TO (THESE AUTHORITIES MAY NOT BE REDELEGATED UNLESS SPECIFIED IN THE DELEGATION):	DOCUMENTATION REQUIRED/REMARKS
<p>F. Approve Technology Transfer Agreements [15 U.S.C. 3710a and 43 U.S.C. 36c]</p>		<p>See SM 500.20.</p> <p>A Technology Transfer agreement, as defined in 15 U.S.C. 3710a, is an agreement between one or more Federal laboratories and one or more non-Federal parties under which the Government, through its laboratories, provides personnel, services, facilities, equipment, intellectual property, or other resources with or without reimbursement (but not funds to non-Federal parties); and the non-Federal parties provide funds, personnel, services, facilities, equipment, intellectual property, or other resources toward the conduct of specified research or development efforts, which are consistent with the missions of the laboratory, except that such term does not include a procurement contract or cooperative agreement as those terms are used in Sections 6303, 6304, and 6305 of Title 31. Property and equipment provided under the agreement shall be provided in accordance with established USGS Property Management policies and procedures.</p> <p>The USGS Checklist for Reimbursable Agreements must be completed and a copy must be maintained with the approved agreement.</p> <p>Review by the Office of Policy and Analysis is required prior to signing the agreement.</p>
<p>F-1. Cooperative Research and Development Agreements (CRADA)</p>	<p>Associate Directors; Regional Executives</p>	

USGS DELEGATIONS OF AUTHORITY TO ENTER INTO AGREEMENTS AND TO ACCEPT CONTRIBUTIONS		
AUTHORITY	AUTHORITY DELEGATED TO <i>(THESE AUTHORITIES MAY NOT BE REDELEGATED UNLESS SPECIFIED IN THE DELEGATION)</i> :	DOCUMENTATION REQUIRED/REMARKS
<p>F-2. Technical Assistance Agreements:</p> <p>(a) Less than or equal to \$100,000</p> <p>(b) More than \$100,000</p>	<p>Office Chiefs reporting to the Director/Deputy Director and managers and supervisors who report directly to an SES Manager</p> <p>Deputy Associate Directors; Regional Executives; Office Chiefs reporting to the Director/Deputy Director; and Managers and Supervisors who report directly to an SES Manager</p>	<p>Review by the Office of Policy and Analysis is required prior to signing the agreement.</p> <p>Review by the Office of Policy and Analysis is required prior to signing the agreement.</p>
<p>F-3. Facility Use/Service Agreements</p>	<p>Office Chiefs reporting to the Director/Deputy Director and Managers and Supervisors who report directly to an SES Manager</p>	<p>Review by the Office of Policy and Analysis is required prior to signing the agreement.</p>
<p>F-4. Material Transfer</p>	<p>Office Chiefs reporting to the Director/Deputy Director and Managers and Supervisors who report directly to an SES Manager</p>	<p>Typically the provider of the material only requires a simple form to be completed. The Office of Policy and Analysis is available to provide assistance if needed. Material transfer agreements may not involve any commitments (including funds) except for the transfer of materials. Consequently, USGS reimbursable agreement procedures do not apply.</p>

<p>G. Approve International Agreements under the Foreign Assistance Act (FAA) [22 U.S.C. 2357]</p> <p>G-1. Sign international memorandum of understanding, memorandum of cooperation, Protocol, and Exchange of Letter</p> <p>G-2. Sign project annex, project annex amendment, statement of intent, memorandum of agreement, technical assistance, agreement in principal, project implementation plan, and letter of agreement, <i>the scope of which deals with more than one USGS mission area</i></p> <p>G-3. Sign a project annex, project annex amendment, statement of intent, memorandum of agreement, technical assistance, agreement in principal, project implementation plan and letter of agreement, <i>limited to a single mission area</i></p>	<p>Director</p> <p>Deputy Director</p> <p>Associate Director for that mission area</p>	<p>The Office of International Programs is responsible for coordinating the review of all proposed USGS international agreements with a friendly country or an international organization prior to signature.</p>
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<p>H. Approve Acceptance of Contributions</p> <p>H-1. Acceptance of contributions from public and private sources—includes lands, buildings, equipment, money, other contributions [43 U.S.C. 36c and 16 U.S.C.742f(b)]</p> <p>(a) Money and personal property of \$5,000 or less</p> <p>(b) Money and personal property of \$50,000 or less</p> <p>(c) Money and personal property exceeding \$50,000, and all other contributions received under this authority</p> <p>H-2. Acceptance of contributions for official travel costs for meetings or similar functions [31 USC 1353]</p> <p>H-3. Acceptance of contributions, awards, or payments, in connection with non-Government training. [205 DM 2.1B]</p>	<p>Science Center Directors and Cost Center Managers</p> <p>Regional Executives and Deputy Associate Directors</p> <p>Associate Directors and Regional Executives</p> <p>Officials with delegated authority to approve travel authorizations</p> <p>Authority delegated in SM 205.1, Personnel Management, Appendix B, I-7</p>	<p>See SM 500.19. All contribution offers should be documented on the Contribution Report Form (Form 9-3089).</p> <p>Consultation and coordination with the Ethics and Collaborative Action and Dispute Resolution (EADR) Office (gifts).</p> <p>Funds can be accepted from non-Federal sources to pay for travel costs for official travel if the travel is for the purpose of attending a meeting, conference, workshop, seminar, or similar event related to an employee's duties and responsibilities. Funds cannot be accepted to carry out the Bureau's regulatory and statutory functions, such as field or site visits. A Form DI-2000, Report of Payment Accepted from a Non-Federal Source must be completed, approved by the EADR Office, and submitted with the employee's travel authorization.</p>
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<p>I. Approve Domestic Memorandum of Understanding (MOU)</p> <p>I-1. Domestic MOUs that:</p> <p>(a) Address activities that cross mission areas</p> <p>(b) Address an intent to work with a sovereign Indian Nation.</p> <p>I-2. Mission-specific Domestic MOUs of national significance</p> <p>I-3. Domestic MOUs specific to assigned geographic areas of responsibility</p> <p>I-4. Domestic MOUs specific to a science center or a cost center</p>	<p>Director</p> <p>Associate Directors</p> <p>Regional Executives</p> <p>Regional Executives and Cost Center Managers</p>	<p>See SM 500.26, Domestic Memorandum Of Understanding.</p>
<p>J. Interagency Personnel Details under the Intergovernmental Personnel Act</p>	<p>Authority delegated in SM 205.1, Personnel Management, Appendix B, B-33</p>	<p>See Financial Operating Procedures Handbook for FERC agreement template.</p> <p>The USGS Checklist for Reimbursable Agreements must be completed and a copy must be maintained with the approved agreement.</p>
<p>K. Approve Federal Energy Regulatory Commission (FERC) Agreements with non-governmental customers (private utilities) (USGS Annual Appropriations Act); States, Counties, Municipalities, Tribal Governments, and U.S. Territories [43U.S.C. 50 and 43 U.S.C. 50b]; with USGS [Economy Act and 43 U.S.C. 36c]</p> <p>K-1. Approve Standard FERC Agreement</p> <p>K-2. Approve Non-Standard FERC Agreement</p>	<p>Office Chiefs reporting to the Director/Deputy Director and Managers and Supervisors who report directly to a SES Manager</p> <p>Office Chiefs reporting to the Director/Deputy Director and Managers and Supervisors who report directly to a SES Manager</p>	<p>Review and approval by the Office of Policy and Analysis is required prior to signing the agreement.</p>

<p>K-3. Approve the following Non-Standard FERC Agreement Exceptions:</p> <p>(a) Non-Standard FERC Agreement where the only change to the template is a statement on maintaining a drug-free workplace; on abiding by Federal non-discrimination laws; or that the USGS may not contract the work to another party without the prior consent of the cooperator in writing</p> <p>(b) Non-Standard FERC Agreement in following years with a cooperator if the initial FERC Agreement with that cooperator had been reviewed by the Office of Policy and Analysis. Changes to the scope of work, amount of money, and /or period of performance are authorized. Otherwise, the agreement with the cooperator should remain the same as that initially approved. The delegatee is responsible for ensuring that changes made are authorized.</p>	<p>Office Chiefs reporting to the Director/Deputy Director and Managers and Supervisors who report directly to a SES Manager</p>
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Note:

Office Chiefs reporting to the Director/Deputy Director and Managers and Supervisors who report directly to an SES Manager include positions such as:

- (A) Associate Directors and Regional Executives
- (B) Deputy Associate Directors and Deputy Regional Executives
- (C) Director, Office of Budget, Planning, and Integration; Director, Office of Communications and Publishing; and Director, Office of Science Quality and Integrity
- (D) Chief, Office of Equal Opportunity; Chief, Office of International Programs
- (E) Science Center Directors
- (F) AEI Office Chiefs
- (G) HC Office Chiefs

Attachment A

Budget Estimate

Item	Federal	Match (Leveraged Federal)	Total
Personnel	\$30,000.00	\$27,000.00	\$57,000.00
Fringe	\$14,400.00	\$12,000.00	\$26,400.00
Equipment	0.00	0.00	0.00
Travel	\$400.00	0.00	\$400.00
Supplies	\$200.00	0.00	\$200.00
Contractual	0.00	0.00	0.00
Construction	0.00	0.00	0.00
Other - Volunteers	0.00	0.00	0.00
Indirect	\$35,000.00	\$31,000.00	\$66,000.00
Totals	\$80,000.00	\$70,000.00	\$150,000.00