From: Office of Sponsored Programs (osp@uidaho.edu)
To: Office of Sponsored Programs Univ of Idaho - Post Award (postaward@uidaho.edu)
Subject: FW: NSF Award Notice for Award ID 2242769 - Amendment ID 000
Date: Friday, May 5, 2023 9:25:10 AM

From: jgosey@nsf.gov <jgosey@nsf.gov>
Sent: Friday, May 5, 2023 3:26 AM
To: Office of Sponsored Programs (osp@uidaho.edu) <osp@uidaho.edu>
Cc: Kliskey, Andrew (akliskey@uidaho.edu) <akliskey@uidaho.edu>; Smith, Alistair (alistair@uidaho.edu) <alistair@uidaho.edu>; bclevela@nsf.gov; jsmall@nsf.gov; kalbuque@nsf.gov; kathleenaraujo <kathleenaraujo@boisestate.edu>; Eitel, Karla (keitel@uidaho.edu) <keitel@uidaho.edu>; Contact - lybedonn@isu.edu <lybedonn@isu.edu>; shill@nsf.gov; tjones@nsf.gov; yallen@nsf.gov
Subject: NSF Award Notice for Award ID 2242769 - Amendment ID 000

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2242769
Managing Division Abbreviation: OIA **Amendment Number:** 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): REGENTS OF THE UNIVERSITY OF IDAHO
Recipient Address: 875 PERIMETER DR MS 3020 MOSCOW, ID 83844-9803
Official Recipient Email Address: osp@uidaho.edu
Unique Entity Identifier (UEI): QWYKRJH5NNJ3

AMENDMENT INFORMATION

Amendment Type: New Project
Amendment Date: 05/05/2023
Amendment Number: 000
Proposal Number: 2242769
Amendment Description:

The National Science Foundation hereby awards a Cooperative Agreement for support of the project described in the proposal referenced above.

AWARD INFORMATION

Award Number (FAIN): 2242769
Award Instrument: Cooperative Agreement
Award Date: 05/05/2023
Award Period of Performance: Start Date: 08/01/2023 End Date: 07/31/2028
Project Title: RII Track-1: Idaho Community-engaged Resilience for Energy-Water Systems (I-CREWS)
Managing Division Abbreviation: OIA
Research and Development Award: Yes
Funding Opportunity: NSF 22-599 EPSCoR Research Infrastructure Improvement Program Track-1
Assistance Listing Number(s) and Name(s): 47.083 Office of Integrative Activities (Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: $2,099,031
Total Intended Award Amount: $20,000,000
Total Approved Cost Share or Matching Amount: $4,000,000
Total Amount Obligated to Date: $2,099,031
Expenditure Limitation: Not Applicable

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

Fiscal Year	Increment Amount
2024	$5,279,612
2025	$5,027,214
2026	$4,224,047
2027	$3,370,096

PROJECT PERSONNEL

Principal Investigator: Andrew D Kliskey
Email: akliskey@uidaho.edu
Organization: REGENTS OF THE UNIVERSITY OF IDAHO

co-Principal Investigator: Alistair M Smith
Email: alistair@uidaho.edu
Organization: REGENTS OF THE UNIVERSITY OF IDAHO

co-Principal Investigator: Karla Bradley Eitel
Email: kbradley@uidaho.edu
Organization: REGENTS OF THE UNIVERSITY OF IDAHO

co-Principal Investigator: Donna L Lybecker
Email: lybedonn@isu.edu
Organization: IDAHO STATE UNIVERSITY

co-Principal Investigator: Kathleen Araujo
Email: kathleenaraujo@boisestate.edu
Organization: BOISE STATE UNIVERSITY

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)
Name: Tianay M. Robinson
Email: trobinso@nsf.gov
Phone: (703) 292-7859

Awarding Official
Name: Jannele L. Gosey
Email: jgosey@nsf.gov

Managing Program Officer
Name: Jeanne R. Small
Email: jsmall@nsf.gov
Phone: (703) 292-8623

GENERAL TERMS AND CONDITIONS

This Cooperative Agreement (CA) is entered into between the United States of America, represented by the National Science Foundation (NSF), and the above named Recipient pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 USC 1861-1875). This CA is provided electronically to the Recipient. The Recipient is responsible for full compliance with all Programmatic and Financial/Administrative Terms and Conditions as initially stated or as updated over the life of this CA. The Recipient's request to draw down funds under this CA will represent acceptance by the Recipient of all Terms and Conditions of the CA. The Authorized Organizational Representative (AOR) will be electronically notified of any changes to these Terms and Conditions and is encouraged to immediately review these changes and contact the Grants and Agreements Official or Program Officer within thirty calendar days with any questions.

CA-FATC

This award is subject to the Cooperative Agreement Financial & Administrative Terms and Conditions (CA-FATC), dated 01/30/2023, available at https://www.nsf.gov/awards/managing/co-op_conditions.jsp.

This award is made in accordance with the provisions of NSF Solicitation: NSF 22-599 EPSCoR Research Infrastructure Improvement Program Track-1.

To view the Award Document go to: https://www.research.gov/award-documents-web?awardId=2242769&amendmentId=000

FATC AND PTC

Financial and Administrative Terms and Conditions (FATC)

Funds provided for participant support may not be diverted by the awardee to other categories of expense without the prior written approval of the cognizant NSF Program Officer. Since participant support cost is not a normal account classification, the awardee organization must be able to separately identify participant support costs. It is highly recommended that separate accounts, sub-accounts, sub-task, or sub-ledgers be established to accumulate these costs. The awardee should have written policies and procedures to segregate participant support costs.

NSF authorization to enter into the proposed subaward arrangement is being withheld pending submission of subaward information described in the applicable award terms and conditions in effect at the time of this award amendment.

As a condition of this award, the grantee agrees to provide cost sharing as specified in the referenced proposal, as amended, in the amount of $4,000,000. 2 CFR 200.306 prescribes the criteria and procedures for the allowability of cash and in-kind contributions. No Federal funds may be used to meet the grantee's cost sharing obligation for this project. The amount of cost sharing must be documented on an annual and final basis, certified by the Authorized Organizational Representative, and reported to the cognizant NSF Program Officer via FastLane. Mandatory cost sharing commitments are subject to audit.

Programmatic Terms and Conditions (PTC)

1. Key Personnel:

Key Personnel in this Cooperative Agreement are defined as the Principal Investigator (PI), co-PIs, and the members of the RII Track-1 management team.

Except for the Principal Investigator(s) (PIs) or co-PIs identified in this award, requests to make any changes to personnel, organizations, and/or partnerships specifically named in the proposal, that have been approved as part of this award, shall be submitted in writing to the managing NSF Program Officer for approval prior to any changes taking effect. Requests for prior approval of changes to the PI(s) must be submitted through NSF electronic system(s) for review by the managing NSF Program Officer and approval by an NSF Grants Officer.

2. Program Description:

The purpose of the Research Infrastructure Improvement Program: Track 1 (RII Track-1) is to provide support for sustainable improvements in a jurisdiction's academic research infrastructure; that is, its research capacity in identified areas of research and education in science and engineering that are supported by the National Science Foundation and aligned with the jurisdiction's science and technology plan. RII Track-1 activities build the core infrastructure needed to develop both individual and collaborative efforts for the successful pursuit of significant jurisdictional and regional opportunities in science and engineering. The RII Track-1 award adds specific value to the jurisdiction's academic infrastructure not generally available through other funding sources.

3. Project Governance:

The Awardee will ensure that an efficient and effective project governing structure is in place throughout the award period to support all critical or significant project activities.

3.1. The approved charter/bylaws governing the operation of the jurisdiction-wide EPSCoR committee must be submitted to the managing NSF Program Officer via email along with the RII Track-1 Strategic Plan (see 4.2 below). A complete list of members of the committee and their affiliations must be provided, along with their voting status (voting or non-voting). NSF should be notified via email of any changes to the charter/bylaws or committee membership. Care should be taken to have committee members from academe, government, and private sectors, including members of groups underrepresented in STEM.

3.2. The Project Director (PD) must be the lead Principal Investigator (PI) and be employed by the fiscal agent.

3.3. In order to avoid conflicts of interest in project governance and leadership, the RII Track-1 project's PD/PI and co-PIs must not serve as voting members, Chairs, or co-Chairs of the jurisdiction-wide EPSCoR committee. In addition, RII Track-1 participants may not serve on the jurisdiction-wide EPSCoR committees of other jurisdictions.

4. Governing Responsibilities:

The Awardee will ensure efficient and effective performance of all project responsibilities by the governing components throughout the award period.

4.1. The PI will provide scientific and technical leadership, as well as overall program coordination, and will (a) report to NSF and the jurisdiction-wide EPSCoR Committee; (b) visit the various campuses where the research is being conducted on a periodic basis; and (c) ensure that the various stakeholders operate as a cohesive research enterprise progressing towards the realization of project goals and objectives. The PI will be assisted by professional staff whose responsibilities include program management, fiscal and contract management, database administration, and communications.

4.2. RII Track-1 Strategic Plan:

Within 90 days of the effective date of the award, the project leaders and participants must conduct an RII Track-1 strategic planning session. The strategic planning session must be led by the independent external facilitator(s) selected by NSF EPSCoR. The strategic plan must clearly define the vision, mission, objectives, and anticipated outcomes of the RII Track-1 project. The strategic plan helps to ensure that communication is unambiguous and consistent among participants and stakeholders; that necessary and sufficient resources are identified; and that effective procedures are in place to evaluate progress. Effective strategic planning increases the probability of meeting the desired objectives. A member of NSF EPSCoR will attend this session to observe and to serve as a resource. The RII Track-1 Strategic Plan will then be submitted for NSF approval within 60 days following the planning session. NSF EPSCoR will respond to the submitted strategic plan within 60 days. The RII Track-1 Strategic Plan, submitted to and accepted by NSF EPSCoR, is a prerequisite to second-year funding of the RII Track-1 project.

4.3. Hiring of Faculty and other Key Personnel:

The PI is responsible for ensuring that participating institutions follow through recruiting and securing all proposed hires of faculty and other key personnel as established by the original project proposal, any award conditions, or the approved RII Track-1 Strategic Plan. Any changes require prior NSF EPSCoR approval. The annual or final report must report on the status of faculty (and other key personnel) hires.

5. Reporting Requirements:

The Awardee will provide ad hoc and regular reports as designated by the NSF managing Program Officer, with content, format, and submission timeline established by NSF and the managing Program Officer. The Awardee will submit all required reports in accordance with RII Track-1 annual reporting guidelines disseminated by NSF EPSCoR.

5.1. Project reports must include the following:

5.1.a. Project Outcomes:

Annual and final reports must provide concise and substantive evidence of efforts, accomplishments, commitments, and plans to ensure that the positive outcomes of the project will be sustained beyond the duration of the award. This should include quantitative data (e.g., numbers of new hires recruited and retained, proposal submissions, award success rates, students involved in research, etc.). These reports must also describe project outcomes, including those related to sustainability of research infrastructure improvements, and key findings of evaluation reports describing project impacts. The reports may also include qualitative information such as descriptions of policies or programs proposed or implemented to enhance research competitiveness, integrate research and education, and promote partnerships and alliances that increase research capacity and support.

The Awardee will submit quantitative data to NSF EPSCoR annually through the EPSCoR Data Outcomes Collection System (EDOCS). The data will include:

A. Salary support for senior RII Track-1 participants;

B. Numbers and demographics of RII Track-1 participants (including breakdown by male, female, members of groups underrepresented in STEM, persons with disabilities, and new investigators) by institution and participant type (including faculty, staff, and students);

C. Collaborations by institutional type;

D. External engagement of males, females, and members of groups underrepresented in STEM by institutional type;

E. Outputs, including publications, NSF proposals, patents, new faculty hires, postdocs, and graduate and undergraduate students;

F. Expenditures by research theme and other project activities;

G. Cost sharing; and,

H. Leveraged support by research theme and other project activities.

Provision of demographic information by participants is voluntary. Data must be collected in adherence to federal laws as well as the laws of the jurisdiction.

The completed NSF EPSCoR reporting data (topics A-H, described above), the external evaluator's evaluation plan (Year 1) or annual evaluation report (Years 2 – 5), other evaluative reports, and highlights (including the completed permission forms and high-quality photos in separate files), must be uploaded into EDOCS at the time the annual or final report is submitted. The Year-2 annual evaluation report is expected to cover both Years 1 and 2 of the project, while those for Years 3 – 5 will each cover only the relevant year of the project.

5.1.b. Broadening Participation:

The annual and final reports must provide the total number of participants in the activities funded by this award, including faculty, staff, students, and members of all external advisory boards. In addition, the reports must indicate the numbers of women and members of groups underrepresented in STEM that participated in award activities. These data must be reported in aggregate for the project and for each participating institution. Demographic data by race, gender, and disability should be provided in addition to education level (postdoctoral, graduate, undergraduate, K-12). Provision of demographic information by participants is voluntary. Data must be collected in adherence to federal laws as well as the laws of the jurisdiction. The first year of the RII Track-1 project serves as a baseline for reporting year-over-year improvements on increasing the participation of women and members of groups underrepresented in STEM in RII Track-1 project activities, including STEM research and education projects.

5.1.c. Institutional Engagement:

Annual and final reports must provide evidence of broadened engagement of the jurisdiction's institutions in RII Track-1-supported activities. Reports must also include evidence of enhanced collaboration among the jurisdiction's universities and colleges, including primarily undergraduate institutions and 2-year institutions (as appropriate), and utilization of resources residing therein.

5.1.d. Progress on Program Element Planning and Implementation:

Annual and final reports must include evidence of progress in the development and implementation of plans required for the RII Track-1 project, such as the workforce development and broadening participation plans. All such plans are expected to be included in the project's Strategic Plan. The Strategic Plan's goals, milestones and metrics for the reporting period must be documented in the annual and final reports, including progress made during the reporting period against those Strategic Plan parameters and any modifications made since the last annual report.

5.1.e. Evaluation:

External evaluation of key components of the project must be conducted annually. The project must be evaluated by an external evaluator each project year (see 5.1.a above). The annual project report submitted for Years 2 – 5 must include a summary of the

evaluators' findings, and a description of the course corrections, if any, made by the project management team based on the findings and recommendations of the evaluation report(s).

5.1.f. Unobligated Funds:

The annual or final report must include an estimate of the funds expected to remain unobligated at the end of the current support period. If that estimate is greater than 20% of the current year award amount, the PI also must provide a plan and timeline for expenditure of those funds.

If more than 20% of the current year award amount continues to remain unobligated by the yearly anniversary date of the award, approval to carry that amount forward must be granted by NSF EPSCoR. The Awardee's Sponsored Projects Office should prepare the request, which must include a plan and timeline for expenditure of the funds, and submit the request via email to the managing NSF Program Officer.

5.2. Cost Sharing:

Cost sharing at a level of at least, and no more than, 20 percent of the amount provided by NSF is required over the duration of the award. The sources and uses of cost sharing must be consistent with the policies of NSF and the Awardee institution(s) as well as all applicable federal and state (or territorial) laws and regulations. Cost sharing must be allowable and allocable to the project. In particular, projects and activities supported under the "Seed Funding and Emerging Areas" element of the RII Track-1 project, which are funded through cost share, must relate to the scope of the RII Track-1 project as defined by the proposal and RII Track-1 Strategic Plan. All cost sharing amounts are subject to audit. Failure to provide the level of cost sharing reflected in the approved award budget may result in termination of the NSF award, disallowance of award costs, and/or refund of award funds to NSF.

5.2.a. Cost Share Reporting:

Cost sharing must be certified and approved by NSF EPSCoR on an annual basis. The annual cost sharing notification must indicate the sources and general uses of the cost share and certify that the uses were allowable, allocable, reasonable, and necessary to the project. In addition, the use of cost share to meet the goals and objectives of the project must be described in the annual and final project reports.

6. NSF Ongoing Project Oversight:

The Awardee will ensure the full commitment and cooperation of the governing structure components, and of all project staff, during all ongoing NSF project management and oversight activities. The Awardee will ensure the availability of all key institutional partners during any desk or on-site review as well as timely access to all project documentation.

6.1. The project team must cooperate with NSF EPSCoR program evaluation activities by providing data as needed to assess program performance. Program-level evaluation activities complement, but do not replace, those required of individual projects.

6.2. RII Track-1 awardees must participate in site visits, reverse site visits, virtual site visits, videoconferencing, and/or other program management activities to demonstrate progress relative to established goals and objectives of the project.

7. Maximum Overlap of Awards:

Jurisdictions will be allowed to have a maximum overlap period of six months between two active RII Track-1 awards (i.e., the concluding duration of a previous award and the initial period of a new award may overlap up to six months). In cases where no-cost extensions are employed, the maximum overlap for two awards still cannot exceed six months. Under exceptional circumstances (e.g., a pandemic or other disruption), the maximum overlap between awards may be extended to greater than six months when approved by means of an email from a cognizant NSF EPSCoR representative.

8. Jurisdiction-Specific Programmatic Terms and Conditions:

8.1 Hiring of Faculty and other Key Personnel: The following eight faculty hires for the I-CREWS research and capacity-building areas will occur by the end of the three years of the project.

· A faculty member specializing in Environmental Governance at the School of Public Service, Boise State University.

· A faculty member specializing in Tribal Water Resource Science at the College of Natural Resources, University of Idaho.

· A faculty member specializing in Environmental History at the College of Letters, Arts, and Social Sciences, University of Idaho.

· A faculty member specializing in Data Science or Statistics at the College of Arts and Sciences, Boise State University.

· A faculty member specializing in Environmental or Civil Engineering at the College of Science and Engineering, Idaho State University.

· A faculty member specializing in Power and Water Systems Modeling at the College of Engineering, University of Idaho.

· A faculty member specializing in Systems Engineering at the College of Engineering, Boise State University.

· A faculty member specializing in Resilience Social Science at the College of Arts and Letters, Idaho State University.

Any changes must first be approved by NSF EPSCoR.

8.2 Before the project's required strategic planning meeting, the I-CREWS team must provide a detailed plan for integrating qualitative data with the modeling, including the literature basis for the choice of software, the criteria for successful integration to be used, and a contingency plan to manage the risks of the chosen software.

BUDGET

A. Senior Personnel	
Senior Personnel Count	20.00
Senior Personnel Calendar Months	28.96
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	$275,030
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	$0
Other Professionals	
Other Professionals Count	4.00
Other Professionals Calendar Months	21.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	$112,323
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	$0
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00

Secretarial - Clerical Amount	$0
Other	
Other Count	3.00
Other Amount	$11,000
Total Salaries and Wages (A+B)	$398,353
C. Fringe Benefits	$145,957
Total Salaries, Wages, Fringe Benefits (A + B + C)	$544,310
D. Equipment	$0
E. Travel	
Domestic	$36,000
International	$0
F. Participant Support Costs	
Participant Support Costs Stipends	$0
Participant Support Costs Travel	$0
Participant Support Costs Subsistence	$0
Participant Support Costs Other	$0
Total Number of Participants	0.00
Total Participant Costs (F)	$0
G. Other Direct Costs	
Materials Supplies	$27,000
Publication Costs	$0
Consultant Services	$80,000
Computer Services	$0
Subawards	$816,843
Other	$138,017
Total Other Direct Costs (G)	$1,061,860
H. Total Direct Costs (A Through G)	**$1,642,170**
I. Indirect Costs*	**$456,861**
J. Total Direct and Indirect Costs (H + I)	$2,099,031

K. Fees	$0
L. Total Amount of Request (J) OR (J + K)	**$2,099,031**
M. Cost Sharing Proposed Level	$4,000,000

*Indirect Cost Rates

Item Name	Indirect Cost Rate
Consultant Services	50.0000%
Materials and Supplies	50.0000%
Other-Misc Expenses	50.0000%
Publications/Documentation/Distrib	0.0000%
Salaries, Wages, and Fringe	50.0000%
Travel	50.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.