Opportunities for Enhancing Diversity in the Geosciences (OEDG)

PROGRAM SOLICITATION
NSF 08-605

REPLACES DOCUMENT(S):
NSF 04-590

National Science Foundation
Directorate for Geosciences
Division of Atmospheric Sciences
Division of Earth Sciences
Division of Ocean Sciences

Letter of Intent Due Date(s) (required) (due by 5 p.m. proposer's local time):
November 11, 2008
OEDG Track 1 and Track 2 Proposals (Required)

Full Proposal Deadline(s) (due by 5 p.m. proposer's local time):
December 11, 2008
OEDG Track 1 and Track 2 Proposals
May 01, 2009
OEDG Planning Grant Proposals Only
November 03, 2009
OEDG Planning Grant Proposals Only

REVISION NOTES

- Proposals may be submitted under one of three Tracks described in this solicitation. A new Planning Grant option has been added.
- New eligibility limitations have been identified for Track 1 and Track 2 proposals. An individual may be Principal Investigator on only one proposal submitted to the FY 2009 OEDG Program competition, regardless of which Track is used. Institutions may submit only one Track 2 proposal as the Lead Institution but may participate in other Collaborative Track 2 Proposals as a non-Lead Institution.
- Institutions with Track 2 projects that were previously funded by the OEDG Program are eligible to seek up to three years of additional support for their OEDG project, but only for activities that lead to long-term sustainability of the program.
- Track 2 proposals are required to include a letter of support from a high-ranking administrative official (e.g., Department Chair, Dean, Vice President) describing how the proposed project aligns with institutional diversity plans and goals and indicate the level of commitment toward sustaining activities that are shown through evaluation to be effective.
- Track 2 proposals from institutions that participate in LSAMP or AGEP alliances are not required to partner with these alliances, but if they will not be partners, the proposal must discuss how the proposed OEDG project will align with, or complement, the activities offered through these alliances.
- Letters of intent are still required for Track 1 and Track 2 proposals, but are not required for OEDG Planning Grant proposals.
- The duration and funding levels for Track 1 projects have been revised. Track 1 proposals may now request funding for up to three years, with maximum total funding of $200,000.
- Proposals submitted under Track 1 and Track 2 must include funds in the first year budget to support attendance of the Principal Investigator, or another project representative, at a meeting for OEDG Principal Investigators, to be held in 2009 in Washington, DC. OEDG PI meetings are held on a biannual basis; Track 2 projects have the option of requesting additional travel funds to attend the meeting to be held in 2011.
- Proposal preparation and submission instructions have been revised and clarified.
- The OEDG Program is normally competed on a biannual basis. This solicitation provides one opportunity to submit Track 1 and Track 2 proposals (in FY 2009 only) and two opportunities to submit OEDG Planning Grants (one each in FY 2009 and 2010). A revised OEDG Program solicitation may be issued in 2010.
- Funding for the OEDG Program is expected to be $4.6 million in FY 2009 and $4.6 million in FY 2010.

Please be advised that the NSF Proposal & Award Policies & Procedures Guide (PAPPG) includes revised guidelines to implement the mentoring provisions of the America COMPETES Act (ACA) (Pub. L. No. 110-69, Aug. 9, 2007.) As specified in the ACA, each proposal that requests funding to support postdoctoral researchers must include a description of the mentoring activities that will be provided for such individuals. Proposals that do not comply with this requirement will be returned without review (see the PAPPG Guide Part I: Grant Proposal Guide Chapter II for further information about the implementation of this new requirement).
As announced on May 21st, proposers must prepare and submit proposals to the National Science Foundation (NSF) using the NSF FastLane system at http://www.fastlane.nsf.gov/. This approach is being taken to support efficient Grants.gov operations during this busy workload period and in response to OMB direction guidance issued March 9, 2009. NSF will continue to post information about available funding opportunities to Grants.gov FIND and will continue to collaborate with institutions who have invested in system-to-system submission functionality as their preferred proposal submission method. NSF remains committed to the long-standing goal of streamlined grants processing and plans to provide a web services interface for those institutions that want to use their existing grants management systems to directly submit proposals to NSF.

SUMMARY OF PROGRAM REQUIREMENTS

General Information

Program Title:
Opportunities for Enhancing Diversity in the Geosciences (OEDG)

Synopsis of Program:
The Directorate for Geosciences of the National Science Foundation supports research and education in the Atmospheric, Earth, and Ocean Sciences. The Opportunities for Enhancing Diversity in the Geosciences (OEDG) Program is designed to address the fact that certain groups are underrepresented in the geosciences relative to the proportions of those groups in the general population. The primary goal of the OEDG Program is to increase participation in the geosciences by African Americans, Hispanic Americans, Native Americans (American Indians and Alaskan Natives), Native Pacific Islanders (Polynesians or Micronesians), and persons with disabilities. A secondary goal of the program is to increase the perceived relevance of the geosciences among broad and diverse segments of the population. The OEDG Program supports activities that will increase the number of members of underrepresented groups who:

- Are involved in formal pre-college geoscience education programs;
- Pursue bachelor, master, and doctoral degrees in the geosciences;
- Enter geoscience careers; and
- Participate in informal geoscience education programs.

The OEDG Program offers three funding Tracks: OEDG Planning Grants; Track 1: Proof-of-Concept Projects; and Track 2: Full-Scale Projects.

OEDG Planning Grants - This new Track supports planning workshops, conferences, symposia and related short-term activities that facilitate either: 1) development of new strategic plans to implement systemic, community-wide programs to broaden participation in the geosciences; or, 2) development of new partnerships or collaborations between multiple institutions seeking to establish sustainable projects that address the goals of the OEDG program.

Track 1: Proof-of-Concept Projects - This Track supports short-term activities. Track 1 projects include activities that will occur only one time, as well as those that are intended as the testing phase of an anticipated long-term Full-Scale Project.

Track 2: Full-Scale Projects - This Track supports longer-term activities that will identify and promote pathways to geoscience careers among members of underrepresented groups. It is expected that Track 2 proposals will establish programs that are sustainable without additional OEDG funding. Prior Track 1 OEDG funding is not a pre-requisite for submitting a Track 2 proposal.

Cognizant Program Officer(s):
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Applicable Catalog of Federal Domestic Assistance (CFDA) Number(s):
- 47.050 --- Geosciences

Award Information

Anticipated Type of Award: Standard Grant or Continuing Grant

Estimated Number of Awards: 42 (of the awards, 30 Track 1 awards, 5 Track 2 awards, and 7 OEDG Planning Grant awards are anticipated)

Anticipated Funding Amount: $9,200,000 - ($4,600,000 is anticipated in both FY 2009 and FY 2010, pending availability of funds)

Eligibility Information

Organization Limit: None Specified

PI Limit:
Limit on Number of Proposals per Organization:

Institutions are allowed to submit more than one Track 1 proposal.

Institutions may submit only one Track 2 proposal as either the Lead Institution of a Collaborative Proposal or the sole submitting organization. Institutions may participate as a non-Lead Institution for additional Collaborative Proposals submitted to Track 2.

Institutions may obtain funding for only one Planning Grant proposal over the lifetime of this solicitation (FY 2009 and 2010).

Limit on Number of Proposals per PI:

None Specified

Proposal Preparation and Submission Instructions

A. Proposal Preparation Instructions

• **Letters of Intent**: Submission of Letters of Intent is required. Please see the full text of this solicitation for further information.

• **Preliminary Proposal Submission**: Not Applicable

• **Full Proposal Preparation Instructions**: This solicitation contains information that supplements the standard NSF Proposal and Award Policies and Procedures Guide, Part I: Grant Proposal Guide (GPG) proposal preparation guidelines. Please see the full text of this solicitation for further information

B. Budgetary Information

• **Cost Sharing Requirements**: Cost Sharing is not required under this solicitation.

• **Indirect Cost (F&A) Limitations**: Not Applicable

• **Other Budgetary Limitations**: Other budgetary limitations apply. Please see the full text of this solicitation for further information.

C. Due Dates

• **Letter of Intent Due Date(s) (required)** (due by 5 p.m. proposer's local time):
  
  November 11, 2008

  OEDG Track 1 and Track 2 Proposals (Required)

• **Full Proposal Deadline(s) (due by 5 p.m. proposer's local time)**:
  
  December 11, 2008

  OEDG Track 1 and Track 2 Proposals

  May 01, 2009

  OEDG Planning Grant Proposals Only

  November 03, 2009

  OEDG Planning Grant Proposals Only

Proposal Review Information Criteria

**Merit Review Criteria**: National Science Board approved criteria. Additional merit review considerations apply. Please see the full text of this solicitation for further information.

Award Administration Information

**Award Conditions**: Additional award conditions apply. Please see the full text of this solicitation for further information.

**Reporting Requirements**: Additional reporting requirements apply. Please see the full text of this solicitation for further information.

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I. Introduction
II. PROGRAM DESCRIPTION

The Directorate for Geosciences of the National Science Foundation supports research and education in the Earth, Ocean, and Atmospheric sciences. The primary goal of the Opportunities for Enhancing Diversity in the Geosciences (OEDG) Program is to increase participation in the geosciences by African Americans, Hispanics/Latinos/Chicanos, Native Americans (American Indians and Alaskan Natives), Native Pacific Islanders (Polynesians or Micronesians), and persons with disabilities. An important but secondary goal is to strengthen understanding of geoscience and its relevance to modern society among broad and diverse segments of the population. The ultimate goal of the OEDG Program is to bring more members of underrepresented groups into geoscience disciplines. While there is still significant underrepresentation of women geoscientists at the highest professional levels within academia, the community has made reasonable progress in achieving parity for women earlier in the pipeline for most sub-disciplines within the geosciences. As such, while the OEDG Program will accept proposals that focus on retaining women in the geosciences, priority will be given to projects that address participation of underrepresented minorities.

Specifically, the OEDG Program supports activities that increase the number of members of underrepresented groups who:
Proposals to the OEDG Program must be firmly grounded in best practices identified through current research about the participation of underrepresented groups in STEM fields in general, and the geosciences in particular. Prospective PIs are strongly encouraged to review the abstracts of projects previously funded through the OEDG Program, available on the NSF web site, as well as build on lessons learned and best practices that are summarized in the publications and reports cited in the Additional Information section below.

Proposals that include activities to establish or enhance geoscience education and research capabilities in Historically Black Colleges and Universities (HBCUs), Hispanic-Serving Institutions (HSIs), institutions serving persons with disabilities, and other Minority-Serving Institutions (MSIs), Tribal Colleges and Universities (TCUs), and community colleges, which often have high minority student populations are encouraged. It is expected that any collaborations with these institutions will be true partnerships that serve the missions and goals of all participating institutions and are respectful of institutional needs.

The OEDG Program offers three funding Tracks, OEDG Planning Grants; Track 1: Proof-of-Concept Projects; and Track 2: Full-Scale Projects.

OEDG Planning Grants: This new Track supports planning workshops, conferences, symposia and related short-term activities that facilitate either: 1) development of new strategic plans to implement systemic, community-wide programs to broaden participation in the geosciences; or, 2) development of new partnerships or collaborations between multiple institutions seeking to establish sustainable projects that address the goals of the OEDG Program. OEDG Planning Grants offer up to 12 months of funding, not to exceed $40,000.

Track 1: Proof-of-Concept Projects: This Track supports short-term activities, including those that will occur only once, or are intended to be the testing phase of an anticipated long-term Full-Scale Project. Track 1 projects may test innovative mechanisms for increasing the participation of members of underrepresented groups in the geosciences. Alternatively, Track 1 projects may test the effectiveness of strategies that have been successful in a different geographic region, with a different target audience, at a different educational level, in a different academic discipline, or in a different venue (e.g., at a museum rather than in an after-school program). Track 1 awards support projects with durations of up to three years. The maximum award under Track 1 is $200,000 (3-year total), with appropriate justification. The average award size under Track 1 is anticipated to be $125,000 - $150,000. Track 1 awards are eligible for renewal.

Track 2: Full-Scale Projects: This Track supports longer-term activities that will identify and promote pathways to geoscience careers among members of underrepresented groups through activities that can eventually be institutionalized or sustained via mechanisms other than NSF funding. Track 2 projects should either develop or make use of existing networks to improve access and retention in the geosciences by members of underrepresented groups. OEDG networks may be composed of institutions and agencies such as (but not limited to) K-12 schools and/or districts, two-year colleges, four-year colleges and universities, graduate-degree granting institutions, informal education facilities or groups, businesses and industries, and government agencies. The composition of any individual network will be determined by the characteristics of the target audience that will be served by the network. The Project Management Team (Principal Investigators plus Other Senior Personnel) assembled for Track 2 projects should include professionals with expertise in geoscience, education, and issues related to diversity in STEM disciplines. In all proposals, one institution must be identified as the Lead Institution. The Lead Institution will have primary responsibility for all aspects of the project.

Networks should be prepared to facilitate access to geosciences education, research and career pathways among members of underrepresented groups and help OEDG projects to:

- Mentor members of underrepresented groups and communicate in which specific individuals can prepare themselves to enroll in college-level degree programs in the geosciences and subsequently pursue graduate degrees and careers in the geosciences or related fields;
- Expose students, families, and communities to the geosciences in culturally sensitive, locally relevant, age-appropriate, and pedagogically sound ways;
- Ensure that members of underrepresented groups receive information about career opportunities in the geosciences and related fields; and
- Provide the support necessary to ensure the success of members of underrepresented groups in the geosciences.

NSF currently supports several effective networks that have effectively contributed to the success of underrepresented minority students in STEM disciplines. Collectively, these programs define the Alliances for Broadening Participation in STEM (ABP) cluster, which enables seamless transitions from the STEM baccalaureate to attainment of the doctorate and entry to the STEM professoriate. Support at the baccalaureate level is through the Louis Stokes Alliances for Minority Participation (LSAMP) program, which emphasizes development of broad based regional and national alliances of two- and four-year degree-granting higher education institutions, school districts, state and local governments, and the private sector. Eligible LSAMP undergraduate students may receive continued support for up to two additional years of STEM graduate study through the Bridge to the Doctorate (BD) Activity. The Bridge to the Doctorate provides significant financial support for matriculating candidates in STEM doctoral programs at eligible alliance sites. The LSAMP program also supports education research projects focused on STEM baccalaureate degree attainment. Alliances for Graduate Education and the Professoriate (AGEP) further the graduate education of underrepresented students through the doctorate level, preparing them for fulfilling opportunities and productive careers as STEM faculty and research professionals. AGEP also supports the transformation of institutional culture to attract and retain STEM doctoral students into the professoriate.

Many successful LSAMP and AGEP alliances do not currently include geoscience-related activities in their portfolio or engage faculty and advanced students from geoscience-focused departments. Track 2 OEDG proposals that describe activities which coordinate with and introduce or enhance the geosciences components of existing LSAMP and AGEP networks are strongly encouraged, but not required. Track 2 proposals from institutions that participate in LSAMP or AGEP alliances, but do not include those alliances as collaborators on the OEDG project, are REQUIRED to describe how the OEDG project activities will align with, or complement, activities of the existing LSAMP or AGEP alliances. In all cases, the partnership with such networks must be highly collaborative and evidence of this partnership should be documented through Letters of Commitment.

Track 2 proposals will only be considered for funding when the proposal clearly demonstrates that the proposed approach will be effective in increasing the participation of underrepresented groups in the geosciences. Proposers may use the results of prior projects (including those funded by NSF) to demonstrate their capability, but it is not necessary that Track 1 funding have been obtained prior to submission of a Track 2 proposal. Track 2 awards support projects for up to five years. The maximum award under Track 2 is $2 million, but the average award size is expected to be on the order of $1 million. The five-year maximum duration of Track 2 awards is intended to allow networks sufficient time to either find other support for their project or make the project self-sustaining.
**Renewal Track 2 Proposals:** Proposals from projects that have received prior OEDG Track 2 support are eligible to apply for renewal funding for up to three years of support but only if evaluation data clearly demonstrate that the program has been successful in increasing the number of underrepresented students pursuing degrees and careers in the geosciences and the proposed work plan is focused on activities leading to institutionalization of the program or long-term sustainability.

**Additional Information:**

Before submitting to the OEDG Program, proposers should review the abstracts of previously funded projects, which can be viewed online by searching the NSF award database, available at www.nsf.gov/awardsearch/tab.do?dispatch=2. To view abstracts for current and historical OEDG awards, specify the Element Code of 1697 in the appropriate box listed under "Program Information".

Proposers may also find one or more of the following documents to be of interest:

2. Strategy to Increase Diversity in the Geosciences: National Science Foundation Publication NSF 01-53 (available at: www.nsf.gov/geo/diversity/)
8. Thirty Years of Changing Lives: The AAAS Project on Science, Technology and Disability, American Association for the Advancement of Science (available at: ehriweb.aaas.org/entrypoint/30years.htm)
9. Invention and Impact: Building Excellence in Undergraduate Science, Technology, Engineering and Mathematics (STEM) Education, sponsored by the National Science Foundation Division of Undergraduate Education in collaboration with the Education and Human Resources Programs of AAAS. (available at: www.aaas.org/publications/books_reports/CCLI/)
12. Resources available through the Building Engineering and Science Talent (BEST) program (available at: www.bestworkforce.org/)

**III. AWARD INFORMATION**

Anticipated funding for the OEDG Program is expected to be $4.6 million in FY 2009 and $4.6 million in FY2010.

A total of 42 awards is anticipated. Of these 42 awards, 30 are anticipated under Track 1, 5 are anticipated under Track 2, and 7 are anticipated under the OEDG Planning Grant option.

Track 1 awards are for a maximum duration of 3 years. The maximum allowable funding request under Track 1 is $200,000 (3-year total award), but the average award size is expected to be on the order of $125,000 - $150,000. In most cases, Track 1 funding will be provided through a standard award.

Track 2 awards are for a maximum duration of 5 years (3 years if a Renewal Track 2 project). The maximum allowable funding request under Track 2 is $2 million (total award), but the average award size is expected to be on the order of $1 million. In most cases, Track 2 funding will be provided through continuing grant increments.

OEDG Planning Grant awards are for a maximum duration of 12 months. The maximum allowable funding request under the OEDG Planning Grant Track is $40,000.

Estimated program budget, number of awards and average award size/duration are subject to the availability of funds.
IV. ELIGIBILITY INFORMATION

Organization Limit:
None Specified

PI Limit:
None Specified

Limit on Number of Proposals per Organization:
Institutions are allowed to submit more than one Track 1 proposal.
Institutions may submit only one Track 2 proposal as either the Lead Institution of a Collaborative Proposal or the sole submitting organization. Institutions may participate as a non-Lead Institution for additional Collaborative Proposals submitted to Track 2.
Institutions may obtain funding for only one Planning Grant proposal over the lifetime of this solicitation (FY 2009 and 2010).

Limit on Number of Proposals per PI:
None Specified

Additional Eligibility Info:
The categories of proposers identified in the NSF Grant Proposal Guide are eligible to submit proposals under this program announcement/solicitation.

V. PROPOSAL PREPARATION AND SUBMISSION INSTRUCTIONS

A. Proposal Preparation Instructions

Letters of Intent (required):
Letters of Intent are required for both Track 1 and Track 2 proposals, but are not required for OEDG Planning Grants. Letters of Intent are used to help NSF program officers plan for the review process only and are not used to eliminate proposals from contention. Letters of Intent must be submitted through FastLane, available at https://www.fastlane.nsf.gov/.

Letters are required to include the following information.

- Name and affiliation of Principal Investigator
- Funding Track (Track 1, New Track 2, Renewal Track 2); for proposals seeking Renewal Track 2 funding, indicate the award number and Principal Investigator of the previous OEDG award
- Name(s) and affiliation(s) of Co-Principal Investigators
- Name(s) and affiliation(s) of Other Senior Personnel
- Name(s) of other participating organizations - for example: school districts, research consortia, or museums, etc.
- Brief description of the proposed project goals and objectives
- Characteristics of the target audience(s), including demographics and academic level

Letter of Intent Preparation Instructions:
When submitting a Letter of Intent through FastLane in response to this Program Solicitation please note the conditions outlined below:

- Sponsored Projects Office (SPO) Submission is required when submitting Letters of Intent
- A Minimum of 0 and Maximum of 4 Other Senior Project Personnel are allowed
- A Minimum of 0 and Maximum of 4 Other Participating Organizations are allowed
- Submission of multiple Letters of Intent is allowed

Full Proposal Instructions: Proposals submitted in response to this program solicitation should be prepared and submitted in accordance with the guidelines specified in the NSF Grant Proposal Guide (GPG). The complete text of the GPG is available electronically on the NSF website at: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=gpg. Paper copies of the GPG may be obtained from the NSF Publications Clearinghouse, telephone (703) 292-PUBS (7827) or by e-mail from nsfpubs@nsf.gov.

Please read the following section carefully as it describes modifications and supplements to the proposal preparation guidelines that augment those indicated in the GPG. Failure to comply with the formatting requirements described below and in the GPG may result in the proposal being returned without review. Proposal preparation instructions for OEDG Planning Grants are described in a separate section.

Full Proposal Preparation - Track 1 and Track 2 Projects

The following instructions apply to Track 1 and Track 2 proposals only. Instructions for OEDG Planning Grant proposals are described in a separate section below.

Cover Sheet
The proposal title MUST indicate whether the proposal is a Track 1 or Track 2 proposal. If this proposal seeks Renewal Track 2 funding, be sure to check the appropriate box and indicate the previous award number. Principal Investigators are encouraged to choose titles that include informative key words that indicate, for example, the
target audience and the approach of the proposed project. Collaborative Projects must have titles that begin with
the phrase "Collaborative Project."

Many proposed OEDG projects undertake education and evaluation activities that involve Human Subjects
Research. PIs should review the regulations regarding Human Subjects (See 45 CFR 680.101-124 available at:
www.nsf.gov/bfa/dias/policy/human.jsp). Please note that Human Subjects regulations also govern activities that
have to do with safeguarding individually identifiable information such as student and faculty surveys and data.
Therefore, many OEDG projects may need to be reviewed by a Human Subjects Institutional Review Board (IRB).
If your project is under review, or will be reviewed by your IRB after a funding recommendation is received from NSF, check the box on the cover sheet and indicate that the review is pending. If
the proposal has already been reviewed by your IRB and found to be exempt, please cite the applicable
subsection for the exemption on the cover sheet. If the IRB has already been given approval, include a letter from
the IRB in the Supporting Documents and indicate the expiration date of the IRB approval on the cover sheet.

Project Summary
The 1-page Project Summary should follow the standard format and MUST include separate statements
addressing the National Science Board (NSB) approved review criteria of Intellectual Merit and Broader Impacts, or
the proposal will be returned without review. Principal Investigators are strongly encouraged to use the terms of
Intellectual Merit and Broader Impacts explicitly in writing the summary, in order to avoid ambiguity. The summary
should concisely describe:

- The problem(s) being addressed by the proposal;
- The objectives and expected outcomes, including any tangible products;
- How the objectives will be accomplished;
- The characteristics of audience(s) targeted by the project;
- Notable collaborations; and
- Themes addressed in a significant way (such as teacher preparation, faculty development, capacity-
  building, community outreach, use of technology, research experiences, mentoring, etc.).

Project Description, including Results from Prior NSF Support
Failure to comply with the 15 page limit, font size and type, and line spacing requirements identified in the GPG
will cause the proposal to be reviewed without review. It is the responsibility of the submitting institution to verify
that the FastLane version of the proposal complies with all formatting requirements.

The Project Description should clearly address the two NSF merit review criteria of Intellectual Merit and Broader
Impacts. Common concerns related to these criteria that arise during the review process for OEDG proposals are
summarized below; it is not necessary to answer these questions directly in the Project Description, but
consideration of these issues in describing project activities is strongly advised. In addition to addressing the two
NSF review criteria, the Project Description section should provide information that addresses several Additional
Review Criteria noted below.

Examples of Reviewers' Questions Related to Intellectual Merit: Does the project help establish new models for
generating members of underrepresented groups in the geosciences and helping them pursue degrees and careers
in these fields? Does the project have the potential to increase understanding of the geosciences by members of
underrepresented groups? Are the goals and objectives, and the plans and procedures for achieving them
worthwhile, well developed, and realistic? What is the scientific value of the geoscience activity being proposed
and how well is it integrated with the education activities? Is the rationale for including particular activities or
undertaking particular development tasks clearly articulated and supported by appropriate references? Does the
project design reflect consideration of the background, preparation, and experience of the target audience? Is the
project informed by research on teaching and learning, the efforts of others, and literature relevant to diversity?
Are plans for evaluation of the project appropriate and adequate for the project's size and scope and will the
evaluation appropriately inform project development? Is the project led by and supported by capable and qualified
personnel who have recent and relevant experience in education, research, or the workplace? Have the roles of
the collaborating partners been delineated clearly and is there a management plan described for how these
collaborations will be coordinated? Are collaborations between multiple institutions "true" partnerships that will be
mutually beneficial and are partner commitments clearly documented through Letters of Commitment? Is the
project supported by adequate facilities, resources, and institutional commitment?

Examples of Reviewers' Questions Related to Broader Impacts: Are the proposed activities catalytic or
transformative for the proposing institutions with regard to the participation of members of underrepresented groups
in geoscience programs? Are the proposed activities consistent with the proposing institutions' long-term goals?
To what extent will the results of the project contribute information that will help the geoscience community at large
identify successful (and unsuccessful) practices related to increasing diversity in the geosciences? Will the project
evaluation inform others through communication of results? Are the results of the project likely to be exportable to
other institutions? What is the potential for the project to develop connections with industry? Will the project
result in a significant increase in diversity in the geosciences? Does the project involve MSIs, HBCUs, HIsIs,
TCUs, institutions that serve persons with disabilities and/or community colleges? Will the project provide
access to the geosciences by persons with disabilities? Will the project result in significant involvement of
communities and/or families? Will the project significantly improve the quality and quantity of pre-college
geoscience instruction at scale with large numbers of students from underrepresented groups? Will the project
involve significant numbers of underrepresented minorities in informal geoscience programs?

Additional Review Criteria: Does the project have the potential to significantly increase the diversity of geoscience
students who are underrepresented in these fields, or increase the relevance of the geosciences among broad, diverse segments of
the population? Is the project team capable of successfully carrying out the stated goals? Does the project align with
existing diversity plans and goals at the proposing institution(s) and does it effectively utilize available resources
(e.g., LSAMP, AGEP) that are already focused on broadening participation in STEM disciplines? Is there evidence
of institutional commitment to achieving and realizing the goals of the proposal, and sustaining successful
projects? For Track 2 proposals, does the project team have prior experience planning and managing successful
programs directed toward increasing diversity in the geosciences? For Track 2 proposals, is there evidence that
the project will become self-sustaining or be sustained by funding from sources other than NSF at the end of the
funding period?

The Project Description in proposals submitted to both Track 1 and 2 should contain:

1. Results from Prior NSF Support: If the prospective PI or Co-PI(s) has received support from NSF pertaining to diversity-enhancing or geoscience-education efforts in the past five years,
briefly describe the earlier project(s) and the outcomes of those projects. Provide sufficient detail to permit a reviewer to reach an informed conclusion regarding the value of the results achieved. Include the NSF award number, amount and period of support, title of the project, a summary of the results of the completed work, and a list of publications and formal presentations that acknowledged the NSF award (do not submit copies with the proposal).

2. Goals and Objectives: Describe the goals clearly and concisely. Relate the goals to local or national needs and recent trends as appropriate.

3. Detailed Project Plan: This should be the longest section of the Project Description. Describe the project's features, clearly delineating the need or problem that will be addressed and the research base on which the project builds, what will be done during the project, how the expected outcomes will be achieved, the timetable for executing the project, and the facilities and resources available for realizing the project's objectives. Where appropriate, include evidence of past successes that support the methods proposed. Such evidence may come from the current literature or from other projects conducted by the proposers. For projects that involve multiple investigators or institutions, proposers should clearly delineate the responsibilities of each participant or participating organization and describe a plan for project management. Note that reviewers of NSF proposals are not required to access URLs, and they may not have access to the Internet during the review process. Therefore, all essential materials should be submitted in written format. The literature cited in the bibliography should reflect an understanding of the state of knowledge related to diversity in science, engineering, mathematics, and technology (STEM) generally, and in the geosciences particularly. Appropriate literature about research on teaching and learning should be cited. Any literature cited should be clearly and specifically related to the proposed project, and it should be clear to reviewers how referenced information played a role in the design of the project.

Special Requirements for Track 2 proposals:

Track 2 proposals must include in this section a discussion of the results of evaluation of prior, related project(s) that can be used to demonstrate that the proposed project has a high probability of success. It is not necessary that this prior effort have been funded by an OEDG Track 1 award. The goals of prior project(s) and the method(s) used to measure success at achieving goals must be clearly identified and explained. Both quantitative and qualitative data may be included and discussed. Up to 5 pages of supporting evaluation data tables or figures may be included in the Supporting Documents section of the proposal but the significant conclusions supported by those data should be described within the 15-page Project Description section. Track 2 proposals that lack documentation of the effectiveness of prior efforts will be returned without review.

In addition, Track 2 proposals being submitted by institutions that participate in LSAMP and/or AGEP alliances, but which are not using those alliances as collaborators for the proposed OEDG project, are required to discuss in the Project Description how the proposed activities will leverage, align with, or complement the activities offered through those alliances, as well as the rationale behind the decision to not partner with these programs.

Track 2 proposals are also required to include in the Supplemental Documents section a letter from a high level Administrator (e.g., Department Chair, Dean, Vice President or Provost) describing how the proposed project activities are aligned with institutional diversity goals and plans. This letter should also indicate the level of institutional support for sustaining activities developed through Track 2 funding if evaluation data show them to be effective at broadening participation in STEM disciplines in general, and the geosciences in particular.

4. Experience and Capability of the Principal Investigator(s): Briefly describe the experience and capability of the PI(s). Include a brief description of the rationale for including specific personnel and institutions. State the role of each and cite the expertise that each will contribute to the project.

5. Evaluation Plan: Activities that provide formative and summative evaluation of project activities are essential for demonstrating the success and impact of the project in advancing OEDG Program goals, but the level of evaluation varies by Track. The OEDG Program as a whole is being evaluated through a contract to the American Institutes for Research (AIR), who will work with all OEDG awardees to collect common data and identify best practices for meaningful evaluation. The contractor is also tasked with helping to provide technical evaluation support for Track 1 projects. As such, Track 1 proposers need not submit a detailed evaluation plan in their proposals, but must be prepared to work with the contractor to collect and report information as necessary.

Track 2 proposers must also be prepared to work with the contractor to support program-wide evaluation efforts, but they are also required to include in the proposal an independent evaluation plan for their specific project. The detailed evaluation plan should describe the criteria that will be used to evaluate the project and show how the evaluation metrics link to specific project goals for achieving diversity in the geosciences. The process for collecting and analyzing information should be described. A timeline for evaluation activities should be included. In most cases, the use of an external evaluator is strongly preferred. The qualifications of the individual(s) who will perform the evaluation tasks should be described. Ideally, the evaluator(s) will be identified prior to proposal submission and they will help to ensure that this component of the proposal is appropriate for achieving project goals. The objectivity and credibility of the evaluation team should be made evident to reviewers. The following references and resources may be helpful in designing an evaluation plan:


*Assessing Learning in Informal Science Contexts, National Academies (available at: www7.nationalacademies.org/bose/Brody_Commissioned_Paper.pdf)*

6. Dissemination of Results: Describe plans to communicate the results of the project to others in the geosciences, STEM, and education communities, both during and after the project, and to disseminate any tangible products that may be produced. Identify the audiences that will be reached through dissemination efforts, and the means of dissemination (e.g., faculty development workshops, journal articles, conference presentations, the Digital Library for Earth System Education (DLESE), presentations to industry, press releases, etc.). It is anticipated that the data collected for the evaluation component of Track 2 projects will form the basis of scholarly publications.

7. Sustainability: Track 1 proposals should briefly describe plans for scaling up or sustaining successful pilot projects. Track 2 proposals are REQUIRED to include a discussion regarding plans for long-term sustainability or institutionalization of project activities that have been shown to be effective through NSF funding. Collaborations with industry and other potential sponsors are encouraged.

8. Management Plan: Track 2 proposals should clearly identify the roles and responsibilities of collaborating investigators and institutions and outline a plan for communication and coordination of project activities.

Full Proposal Preparation - OEDG Planning Grants

With the exception of the Project Description section of the proposal, proposers should follow proposal preparation guidelines that are provided in the GPG, with the modifications noted above for Track 1 and Track 2 proposals. In addition to the two NSF review criteria, OEDG Planning Grant proposals will be evaluated for evidence that there is a clear path between planning activities and future activities or projects that address OEDG Program goals related to broadening participation in the geosciences. The Project Description section for OEDG Planning Grant proposals must not exceed 5 pages in length and should include the following information:

Background and Context

For OEDG Planning Grants that support community-wide strategic planning activities, information should be provided on the institution(s) that will organize this effort. A summary of past accomplishments in the area of broadening participation and a rationale for why it is appropriate that they take a leadership role in organizing the community, and the resources they offer for implementation of any strategic plans which result, should be provided. Proposers should clearly indicate how the proposed effort will advance implementation of systemic reforms and build on prior community efforts to broaden participation in the geosciences.

For OEDG Planning Grants that support creation of new partnerships or collaborations, information should be provided on the institutions that will partner or collaborate. Provide a rationale for why their individual efforts related to broadening participation will benefit through the collaboration. Describe how the proposed Planning Grant goals and objectives fit the institutions’ missions and reflect the institutions’ long-term STEM related goals and plans. Provide evidence of the commitment to the proposed Planning Grant activities of the institutional administration, partners and collaborators, if applicable, and the STEM faculty and leadership. Letters of commitment to the proposed project activities can be included as supplementary documents. Do not include general letters of support from individuals not involved in the implementation of project activities.

Proposed Planning Activities

Describe the proposed planning process and provide details on the key steps along the way. Information should be provided regarding expected outcomes, the timeline for implementation, how participants will be recruited and selected (for conferences), and the responsibilities of key project personnel during the planning period. In general, implementation activities are not allowed under Planning Grants.

Budget and Budget Justification - Track 1, Track 2, and OEDG Planning Grant Proposals

The amounts indicated on the budget forms should include only the amounts requested from NSF. Text for the budget justification is limited to a maximum of 3 pages.

A meeting for OEDG Principal Investigators is held every other year. Proposers for both Track 1 and Track 2 projects must include travel funds in the first year budget to support attendance of the Principal Investigator or a project representative at the PI meeting, to be held in Washington, DC during the summer of 2009. Track 2 projects have the option of including additional travel funds to attend another PI meeting in year 3, but it is not required. OEDG Planning Grant proposals should not include funding to attend the PI meeting.

For a proposal involving multiple organizations, the budget justification should include the amount each organization will receive from the grant. If collaborating institutions are being supported through subawards, the budget justification should have a separate section that provides information on the costs for each subaward, with costs broken out by major budget category (i.e., salaries, equipment, travel, participant support costs, other direct costs, indirect costs). NSF funds may not be used to support expenditures that would have been undertaken in the absence of an award, such as the cost of activities that are considered part of a faculty member’s normal duties.

Preparation of Instrumentation Budget Items and Justification - If instrumentation is required for the Track 1 or Track 2 project, the need for the instrumentation should be clearly justified as part of the Budget Justification. Reviewers must be able to recognize the function of any requested instrumentation. Many manufacturers routinely offer educational or institutional discounts. When preparing the budget, contact manufacturers or distributors to obtain discounted prices. If research instrumentation or equipment is requested in a proposal to the OEDG Program, the proposal should include plans for maintenance and technical support of the instrumentation after the end of the award period.

Participant Support Costs - Proposers should carefully review the requirements for the Participant Support Costs category. (See GPG Chapter II.C.2g(v). This budget category refers to costs of transportation, per diem, stipends and other related costs for participants or trainees (but not employees) in connection with NSF-sponsored conferences, meetings, symposia, training activities and workshops. For some educational projects conducted at local school districts, however, the participants being trained are employees. In such cases, the costs must be classified as participant support if payment is made through a stipend or training allowance method. The school district must have an accounting mechanism in place (i.e., sub-account code) to differentiate between regular salary and stipend payments.
Generally, indirect costs (F&A) are not allowed on participant support costs. The number of participants to be supported must be entered in the parentheses on the proposal budget. Reallocation of Participant Support Costs to another budget category after an award has been made requires NSF approval, so proposers should be careful to make sure that the funds requested in this category are appropriate. Note that indirect costs may not be charged on participant support costs.

**Common Uses of Participant Support Costs in OEDG Projects:**

**Workshops** - The proposal may include participant support costs for subsistence (lodging and meals) during workshops. In addition, funds may be requested for stipends for participants. Requests for such stipends must be specific and fully justified. No tuition or other fees may be charged to workshop participants. The host institution is expected to provide the facilities and instrumentation necessary to conduct the workshop, therefore NSF will not ordinarily support permanent instrumentation or new facilities. The host institution is also expected to cover expenses incurred by their own faculty participants.

**Other Participant Support Costs** - Participant support costs necessary for the success of the project should be included in the budget. The total cost per participant varies with the type of participant and the type of activity. For example, to ensure participation by teachers, it may be necessary to pay for substitute teachers while the targeted teachers participate in the project. Similarly, to ensure participation in summer research programs by students who are members of underrepresented groups, it may be necessary to provide stipends that are competitive with wages received by students who obtain full-time summer employment.

**Collaborative Proposals**

Collaborative Proposals may be submitted either as a single proposal or as simultaneously submitted proposals from different organizations. In the latter case, the collaborating organizations must exactly follow the instructions for electronic submission specified in GPG. The project titles of the collaborative proposals must be identical and must begin with the words "Collaborative Project," and the combined budgets of the related proposals should conform to the award size limits specified in this solicitation.

**Special Information (Track 2 proposals only)**

Proposals to Track 2 must include the results of evaluation of prior, related project(s) that can be used to demonstrate that the proposed project has a high probability of success. It is not necessary that this prior effort have been funded by an OEDG Track 1 award. The goals of prior project(s) and the method(s) used to measure success at achieving goals must be clearly identified and explained. Both quantitative and qualitative data may be included and discussed. Up to 5 pages of related evaluation data may be included in the Supporting Documents section of the proposal but the significant conclusions supported by those data should be described in the 15-page Project Description section. Track 2 proposals that lack documentation of the effectiveness of prior efforts will be returned without review.

Track 2 proposals are required to include in the Supplemental Documents section a letter from a high level Administrator (e.g., Department Chair, Dean, Vice President or Provost) describing how the proposed project activities are aligned with institutional diversity goals and plans. This letter should also indicate the level of institutional support for sustaining activities developed through Track 2 funding if evaluation data show them to be effective at broadening participation in STEM disciplines in general, and the geosciences in particular.

Track 2 proposals being submitted by institutions that participate in LSAMP and/or AGEP alliances are required to discuss in the Project Description how the proposed activities will leverage, align with, or be synergistic with the activities offered through those alliances. If the project will not be using the LSAMP and/or AGEP resources, the proposers should discuss the rationale behind this decision.

Proposers are reminded to identify the program solicitation number (NSF 08-605) in the program solicitation block on the NSF Cover Sheet For Proposal to the National Science Foundation. Compliance with this requirement is critical to determining the relevant proposal processing guidelines. Failure to submit this information may delay processing.

**B. Budgetary Information**

**Cost Sharing:** Cost sharing is not required under this solicitation.

**Other Budgetary Limitations:** A maximum allowable funding value has been identified for each Track, with details provided later in the solicitation. Budget requests should not exceed the maximum funding allowable for the appropriate Track, or the proposal will be returned without review.

**Budget Preparation Instructions:**

At least one Principal Investigator or his/her representative from each funded project is required to attend an OEDG PI meeting in Washington, DC in the late summer 2009; travel funds to attend this meeting must be included in the project's Year 1 budget. OEDG PI meetings are held biannually. Track 2 projects that have durations of more than three years are eligible to attend the OEDG PI meeting in Year 3 (in the year 2011) and may request funds to support this travel expense. At these meetings, PIAs discuss the basic components of their projects and work with a professional evaluator to implement and improve their evaluation strategies and identify key strengths and weaknesses in their projects. The PI meeting should be viewed as an opportunity for PIs to obtain assistance with the evaluation component of their project and to share information about their experiences with other OEDG PIs. The results of these meetings are anticipated to lead to identification of a set of "best practices" related to increasing diversity in the geosciences that can be shared with the geoscience and STEM communities at large.

**C. Due Dates**

- **Letter of Intent Due Date(s) (required)** (due by 5 p.m. proposer's local time): November 11, 2008
- **Full Proposal Deadline(s) (due by 5 p.m. proposer's local time):**
D. FastLane Requirements

Proposers are required to prepare and submit all proposals for this program solicitation through use of the NSF FastLane system. Detailed instructions regarding the technical aspects of proposal preparation and submission via FastLane are available at: http://www.fastlane.nsf.gov/a1/newstan.htm. For FastLane user support, call the FastLane Help Desk at 1-800-673-6188 or e-mail fastlane@nsf.gov. The FastLane Help Desk answers general technical questions related to the use of the FastLane system. Specific questions related to this program solicitation should be referred to the NSF program staff contact(s) listed in Section VIII of this funding opportunity.

Submission of Electronically Signed Cover Sheets. The Authorized Organizational Representative (AOR) must electronically sign the proposal Cover Sheet to submit the required proposal certifications (see Chapter II, Section C of the Grant Proposal Guide for a listing of the certifications). The AOR must provide the required electronic certifications within five working days following the electronic submission of the proposal. Further instructions regarding this process are available on the FastLane Website at: https://www.fastlane.nsf.gov/fastlane.jsp.

VI. NSF PROPOSAL PROCESSING AND REVIEW PROCEDURES

Proposals received by NSF are assigned to the appropriate NSF program where they will be reviewed if they meet NSF proposal preparation requirements. All proposals are carefully reviewed by a scientist, engineer, or educator serving as an NSF Program Officer, and usually by three to ten other persons outside NSF who are experts in the particular fields represented by the proposal. These reviewers are selected by Program Officers charged with the oversight of the review process. Proposers are invited to suggest names of persons they believe are especially well qualified to review the proposal and/or persons they would prefer not review the proposal. These suggestions may serve as one source in the reviewer selection process at the Program Officer's discretion. Submission of such names, however, is optional. Care is taken to ensure that reviewers have no conflicts of interest with the proposal.

A. NSF Merit Review Criteria

All NSF proposals are evaluated through use of the two National Science Board (NSB)-approved merit review criteria: intellectual merit and the broader impacts of the proposed effort. In some instances, however, NSF will employ additional criteria as required to highlight the specific objectives of certain programs and activities.

The two NSB-approved merit review criteria are listed below. The criteria include considerations that help define them. These considerations are suggestions and not all will apply to any given proposal. While proposers must address both merit review criteria, reviewers will be asked to address only those considerations that are relevant to the proposal being considered and for which the reviewer is qualified to make judgements.

What is the intellectual merit of the proposed activity?

- How important is the proposed activity to advancing knowledge and understanding within its own field or across different fields? How well qualified is the proposer (individual or team) to conduct the project? (If appropriate, the reviewer will comment on the quality of the prior work.) To what extent does the proposed activity suggest and explore creative, original, or potentially transformative concepts? How well conceived and organized is the proposed activity? Is there sufficient access to resources?

What are the broader impacts of the proposed activity?

- How well does the activity advance discovery and understanding while promoting teaching, training, and learning? How well does the proposed activity broaden the participation of underrepresented groups (e.g., gender, ethnicity, disability, geographic, etc.)? To what extent will it enhance the infrastructure for research and education, such as facilities, instrumentation, networks, and partnerships? Will the results be disseminated broadly to enhance scientific and technological understanding? What may be the benefits of the proposed activity to society?


Mentoring activities provided to postdoctoral researchers supported on the project, as described in a one-page supplementary document, will be evaluated under the Broader Impacts criterion.

NSF staff also will give careful consideration to the following in making funding decisions:

Integration of Research and Education

One of the principal strategies in support of NSF’s goals is to foster integration of research and education through the programs, projects, and activities it supports at academic and research institutions. These institutions provide abundant opportunities where individuals may concurrently assume responsibilities as researchers, educators, and students and where all can engage in joint efforts that fuse education with the excitement of discovery and enrich research through the diversity of learning perspectives.

Integrating Diversity into NSF Programs, Projects, and Activities

Broadening opportunities and enabling the participation of all citizens -- women and men, underrepresented
minorities, and persons with disabilities -- is essential to the health and vitality of science and engineering. NSF is committed to this principle of diversity and deems it central to the programs, projects, and activities it considers and supports.

**Additional Review Criteria:**

In addition to the standard NSF review criteria, the following Additional Review criteria will be used to evaluate the merit of Track 1 and Track 2 proposals:

Does the project have the potential to significantly increase the diversity of geoscience students, or increase understanding of the relevance of the geosciences among broad, diverse segments of the population?

Is the project team capable of successfully carrying out the stated goals?

Does the project align with existing diversity plans and goals at the proposing institution(s) and does it effectively utilize available resources (e.g., LSAMP, AGEP) that are already focused on broadening participation in STEM disciplines?

Is there evidence of institutional commitment to achieving and realizing the goals of the proposal, and sustaining successful projects?

For Track 2 proposals, does the project team have prior experience planning and managing successful programs directed toward increasing diversity in the geosciences?

For Track 2 proposals, is there evidence that the project will become self-sustaining or be sustained by funding from sources other than NSF at the end of the funding period?

**B. Review and Selection Process**

Proposals submitted in response to this program solicitation will be reviewed by Ad hoc Review and/or Panel Review, or Internal NSF Review.

Track 1 projects will be evaluated by a merit review panel only. Track 2 projects will be evaluated through a combination of ad-hoc review and panel review. OEDG Planning Grants will be reviewed internally by NSF staff, with input from ad-hoc reviewers as deemed necessary.

Reviewers will be asked to formulate a recommendation to either support or decline each proposal. The Program Officer assigned to manage the proposal's review will consider the advice of reviewers and will formulate a recommendation.

After scientific, technical and programmatic review and consideration of appropriate factors, the NSF Program Officer recommends to the cognizant Division Director whether the proposal should be declined or recommended for award. NSF is striving to be able to tell applicants whether their proposals have been declined or recommended for funding within six months. The time interval begins on the deadline or target date, or receipt date, whichever is later. The interval ends when the Division Director accepts the Program Officer's recommendation.

A summary rating and accompanying narrative will be completed and submitted by each reviewer. In all cases, reviews are treated as confidential documents. Verbatim copies of reviews, excluding the names of the reviewers, are sent to the Principal Investigator/Project Director by the Program Officer. In addition, the proposer will receive an explanation of the decision to award or decline funding.

In all cases, after programmatic approval has been obtained, the proposals recommended for funding will be forwarded to the Division of Grants and Agreements for review of business, financial, and policy implications and the processing and issuance of a grant or other agreement. Proposers are cautioned that only a Grants and Agreements Officer may make commitments, obligations or awards on behalf of NSF or authorize the expenditure of funds. No commitment on the part of NSF should be inferred from technical or budgetary discussions with a NSF Program Officer. A Principal Investigator or organization that makes financial or personnel commitments in the absence of a grant or cooperative agreement signed by the NSF Grants and Agreements Officer does so at their own risk.

**VII. AWARD ADMINISTRATION INFORMATION**

**A. Notification of the Award**

Notification of the award is made to the submitting organization by a Grants Officer in the Division of Grants and Agreements. Organizations whose proposals are declined will be advised as promptly as possible by the cognizant NSF Program administering the program. Verbatim copies of reviews, not including the identity of the reviewer, will be provided automatically to the Principal Investigator. (See Section VI.B. for additional information on the review process.)

**B. Award Conditions**

An NSF award consists of: (1) the award letter, which includes any special provisions applicable to the award and any numbered amendments thereto; (2) the budget, which indicates the amounts, by categories of expense, on which NSF has based its support (or otherwise communicates any specific approvals or disapprovals of proposed expenditures); (3) the proposal referenced in the award letter; (4) the applicable award conditions, such as Grant General Conditions (GC-1); * or Research Terms and Conditions * and (5) any announcement or other NSF issuance that may be incorporated by reference in the award letter. Cooperative agreements also are administered in accordance with NSF Cooperative Agreement Financial and Administrative Terms and Conditions (CA-FATC) and the applicable Programmatic Terms and Conditions. NSF awards are electronically signed by an NSF Grants and Agreements Officer and transmitted electronically to the organization via e-mail.

*These documents may be accessed electronically on NSF's Website at...
Special Award Conditions:
Principal Investigators of OEDG Track 1 and Track 2 projects will be required to participate in meetings held every other year, beginning in 2009, in Washington, DC. OEDG Planning Grant recipients are not required to participate in the PI meeting. Awardees will collect data as necessary to evaluate the success of each particular project and the OEDG program as a whole.

C. Reporting Requirements

For all multi-year grants (including both standard and continuing grants), the Principal Investigator must submit an annual project report to the cognizant Program Officer at least 90 days before the end of the current budget period. (Some programs or awards require more frequent project reports). Within 90 days after expiration of a grant, the PI also is required to submit a final project report.

Failure to provide the required annual or final project reports will delay NSF review and processing of any future funding increments as well as any pending proposals for that PI. PIs should examine the formats of the required reports in advance to assure availability of required data.

PIs are required to use NSF's electronic project-reporting system, available through FastLane, for preparation and submission of annual and final project reports. Such reports provide information on activities and findings, project participants (individual and organizational) publications; and, other specific products and contributions. PIs will not be required to re-enter information previously provided, either with a proposal or in earlier updates using the electronic system. Submission of the report via FastLane constitutes certification by the PI that the contents of the report are accurate and complete.

NSF has contracted with the American Institutes for Research (AIR) to provide technical evaluation support for the Track 1 projects and to conduct program-wide evaluation of the OEDG program. As part of that evaluation effort, AIR will provide all new OEDG Track 1 and Track 2 awardees with a Supplemental Information Form that is to be completed and submitted along with NSF-required annual project reports. The Supplemental Information Form collects common evaluation data that allows comparisons between the individual OEDG projects. Data collected for each project will be determined by the nature of the project but will likely include: numbers of individuals served, types of experiences provided, results of evaluations, and results of longitudinal tracking.

VIII. AGENCY CONTACTS

General inquiries regarding this program should be made to:
- Jill L. Karsten, Program Director for Education and Diversity, 705 N, telephone: (703) 292-7718, fax: (703) 292-9042, email: jkarsten@nsf.gov
- Nicole D. LaDue, telephone: (703) 292-5314, email: nladue@nsf.gov

For questions related to the use of FastLane, contact:
- FastLane Help Desk, telephone: 1-800-673-6188; e-mail: fastlane@nsf.gov
- Brian E. Dawson, Information Technology Specialist, 705 N, telephone: (703) 292-4727, fax: (703) 292-9042, email: bdawson@nsf.gov

IX. OTHER INFORMATION

The NSF Website provides the most comprehensive source of information on NSF Directorates (including contact information), programs and funding opportunities. Use of this Website by potential proposers is strongly encouraged. In addition, National Science Foundation Update is a free e-mail subscription service designed to keep potential proposers and other interested parties apprised of new NSF funding opportunities and publications, important changes in proposal and award policies and procedures, and upcoming NSF Regional Grants Conferences. Subscribers are informed through e-mail when new publications are issued that match their identified interests. Users can subscribe to this service by clicking the "Get NSF Updates by Email" link on the NSF web site.

Grants.gov provides an additional electronic capability to search for Federal government-wide grant opportunities. NSF funding opportunities may be accessed via this new mechanism. Further information on Grants.gov may be obtained at http://www.grants.gov.

Related Programs:

ABOUT THE NATIONAL SCIENCE FOUNDATION

The National Science Foundation (NSF) is an independent Federal agency created by the National Science Foundation Act of 1950, as amended (42 USC 1861-75). The Act states the purpose of the NSF is "to promote the progress of science; [and] to advance the
national health, prosperity, and welfare by supporting research and education in all fields of science and engineering.*

NSF funds research and education in most fields of science and engineering. It does this through grants and cooperative agreements to more than 2,000 colleges, universities, K-12 school systems, businesses, informal science organizations and other research organizations throughout the US. The Foundation accounts for about one-fourth of Federal support to academic institutions for basic research.

NSF receives approximately 40,000 proposals each year for research, education and training projects, of which approximately 11,000 are funded. In addition, the Foundation receives several thousand applications for graduate and postdoctoral fellowships. The agency operates no laboratories itself but does support National Research Centers, user facilities, certain oceanographic vessels and Antarctic research stations. The Foundation also supports cooperative research between universities and industry, US participation in international scientific and engineering efforts, and educational activities at every academic level.

Facilitation Awards for Scientists and Engineers with Disabilities provide funding for special assistance or equipment to enable persons with disabilities to work on NSF-supported projects. See Grant Proposal Guide Chapter II, Section D.2 for instructions regarding preparation of these types of proposals.

The National Science Foundation has Telephonic Device for the Deaf (TDD) and Federal Information Relay Service (FIRS) capabilities that enable individuals with hearing impairments to communicate with the Foundation about NSF programs, employment or general information. TDD may be accessed at (703) 292-5090 and (800) 281-8749, FIRS at (800) 877-8339.

The National Science Foundation Information Center may be reached at (703) 292-5111.

The National Science Foundation promotes and advances scientific progress in the United States by competitively awarding grants and cooperative agreements for research and education in the sciences, mathematics, and engineering.

To get the latest information about program deadlines, to download copies of NSF publications, and to access abstracts of awards, visit the NSF Website at http://www.nsf.gov

- Location: 4201 Wilson Blvd. Arlington, VA 22230
- For General Information (NSF Information Center): (703) 292-5111
- TDD (for the hearing-impaired): (703) 292-5090
- To Order Publications or Forms: Send an e-mail to: nsfpubs@nsf.gov
  or telephone: (703) 292-7827
- To Locate NSF Employees: (703) 292-5111

PRIVACY ACT AND PUBLIC BURDEN STATEMENTS

The information requested on proposal forms and project reports is solicited under the authority of the National Science Foundation Act of 1950, as amended. The information on proposal forms will be used in connection with the selection of qualified proposals; and project reports submitted by awardees will be used for program evaluation and reporting within the Executive Branch and to Congress. The information requested may be disclosed to qualified reviewers and staff assistants as part of the proposal review process; to proposer institutions/grantees to provide or obtain data regarding the proposal review process, award decisions, or the administration of awards; to government contractors, experts, volunteers and researchers and educators as necessary to complete assigned work; to other government agencies or other entities needing information regarding applicants or nominees as part of a joint application review process, or in order to coordinate programs or policy; and to another Federal agency, court, or party in a court or Federal administrative proceeding if the government is a party. Information about Principal Investigators may be added to the Reviewer file and used to select potential candidates to serve as peer reviewers or advisory committee members. See Systems of Records, NSF-50, "Principal Investigator/Proposal File and Associated Records," 69 Federal Register 26410 (May 12, 2004), and NSF-51, "Reviewer/Proposal File and Associated Records," 69 Federal Register 26410 (May 12, 2004). Submission of the information is voluntary. Failure to provide full and complete information, however, may reduce the possibility of receiving an award.

An agency may not conduct or sponsor, and a person is not required to respond to, an information collection unless it displays a valid Office of Management and Budget (OMB) control number. The OMB control number for this collection is 3145-0058. Public reporting burden for this collection of information is estimated to average 120 hours per response, including the time for reviewing instructions. Send comments regarding the burden estimate and any other aspect of this collection of information, including suggestions for reducing this burden, to:

Suzanne H. Plimpton
Reports Clearance Officer
Division of Administrative Services
National Science Foundation
Arlington, VA 22230