

*Title of Collection:* Safety Standards for Roof Bolts in Metal and Nonmetal Mines and Underground Coal Mines.

*OMB Control Number:* 1219-0121.

*Affected Public:* Business or other for-profit.

*Total Estimated Number of Respondents:* 345.

*Total Estimated Number of Responses:* 43,558.

*Total Estimated Annual Time Burden:* 420 hours.

*Total Estimated Annual Other Costs Burden:* \$0.

(Authority: 44 U.S.C. 3507(a)(1)(D))

**Nora Hernandez,**

*Departmental Clearance Officer.*

[FR Doc. 2022-03982 Filed 2-24-22; 8:45 am]

**BILLING CODE 4510-43-P**

## NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

[Notice: 22-014]

### Centennial Challenges Watts on the Moon Challenge Phase 2

**AGENCY:** National Aeronautics and Space Administration (NASA).

**ACTION:** Notice of Centennial Challenges Watts on the Moon Challenge Phase 2.

**SUMMARY:** Phase 2 of the Watts on the Moon Challenge is open, and teams that wish to compete may now register. NASA seeks to stimulate research and technology solutions to support future missions and inspire new national aerospace capabilities through public prize competitions called Centennial Challenges. The Watts on the Moon Challenge is one such competition. Centennial Challenges are managed at NASA's Marshall Space Flight Center in Huntsville, Alabama and are part of the Prizes, Challenges, and Crowdsourcing program within NASA's Space Technology Mission Directorate at the agency's Headquarters in Washington. Phase 2 of the Watts on the Moon Challenge seeks to attract innovative engineering approaches to integrating power transmission and energy storage in order to enable missions operating in the extreme cold vacuum of the lunar surface. Phase 2 of the Watts on the Moon Challenge is a prize competition with a total prize purse of \$4,500,000 USD, (four and a half million United States dollars) to be awarded to competitor teams that build and successfully demonstrate prototypes of novel technologies. Successful demonstrations from this challenge will complement ongoing NASA investments in lunar surface power

generation. NASA is funding the prize purse and administration of the challenge competition. Any eligible individual or organization may participate in Phase 2. teams are not required to have participated in Phase 1.

**DATES:** Phase 2 registration opens February 23, 2022, and will remain open until June 15, 2022. No further requests for registration will be accepted after this date. Other important dates, including deadlines for key deliverables from the teams, are listed on the Challenge website: [www.nasa.gov/wattson](http://www.nasa.gov/wattson).

**ADDRESSES:** Phase 2 of the Watts on the Moon Challenge will be conducted virtually, with competitor teams developing and submitting their concept proposals and building their prototypes from their own locations. Eligible finalist will test their solutions at a NASA facility as described in the Official Rules document.

#### FOR FURTHER INFORMATION CONTACT:

Questions and comments regarding the challenge should be addressed to Denise Morris, Centennial Challenges Deputy Program Manager, NASA Marshall Space Flight Center Huntsville, AL 35812. Phone number 256-544-3989 and Email address: [hq-stmd-centennialchallenges@mail.nasa.gov](mailto:hq-stmd-centennialchallenges@mail.nasa.gov). For general information on NASA prize competitions, challenges, and crowdsourcing opportunities, please visit: [www.nasa.gov/solve](http://www.nasa.gov/solve).

To register or for additional information regarding the Watts on the Moon Challenge, please visit: [www.nasa.gov/wattson](http://www.nasa.gov/wattson).

**SUPPLEMENTARY INFORMATION:** For Watts on the Moon Phase 2, NASA is seeking solutions that:

1. Draw power from an intermittent NASA power source and deliver power to a continuous NASA load bank;
2. Operate in simulated lunar temperatures and vacuum;
3. Operate continuously without any additional power generation;
4. Demonstrate a capability to deliver power over a distance of 3 km; and
5. Optimize total system mass and total system efficiency.

#### I. Prize Amounts

The Watts on the Moon Challenge Phase 2 total prize purse is \$4,500,000 USD (four and a half million United States dollars) to be awarded across Phase 2 of this competition. There will be three (3) competition levels in Phase 2, with a prize award after each of the three (3) levels. The winners will be determined by a Judging Panel.

- Level 1—Up to seven (7) winning teams with a total prize purse of \$1,400,000.

- Level 2—Up to four (4) winning teams with a total prize purse of 1,600,000.

- Level 3—Up to two (2) winning teams with a total prize purse of \$1,500,000.

Teams must meet the eligibility requirements for the NASA prize in order to receive a prize from NASA.

#### II. Eligibility To Participate and Win Prize Money

To be eligible to win a prize, competitors must register and comply with all requirements in the Official Rules. Eligibility requirements include:

- Individuals must be U.S. citizens or permanent residents of the United States and be 18 years of age or older.
- Organizations must be an entity incorporated in and maintaining a primary place of business in the United States.

- Teams must be comprised of otherwise eligible individuals or organizations and led by an otherwise eligible individual or organization.

Interested teams should refer to the official Challenge website ([www.nasa.gov/wattson](http://www.nasa.gov/wattson)) for full details on eligibility requirements and registration.

#### III. Official Rules

The complete official rules for the Watts on the Moon Challenge, can be found at: <https://www.herox.com/WattsOnTheMoon/guidelines>.

**Cheryl Parker,**

*NASA Federal Register Liaison Officer.*

[FR Doc. 2022-04010 Filed 2-23-22; 8:45 am]

**BILLING CODE 7510-13-P**

## NATIONAL SCIENCE FOUNDATION

### Agency Information Collection

#### Activities: Comment Request; Grantee Reporting Requirements for Science and Technology Centers (STC); Integrative Partnerships

**AGENCY:** National Science Foundation.

**ACTION:** Submission for OMB review; comment request.

**SUMMARY:** The National Science Foundation (NSF) has submitted the following information collection requirement to OMB for review and clearance under the Paperwork Reduction Act of 1995. This is the second notice for public comment; the first was published in the **Federal Register** and one request for a copy of the information collection was received. NSF is forwarding the proposed renewal submission to the Office of Management and Budget (OMB) for clearance

simultaneously with the publication of this second notice.

**DATES:** Written comments and recommendations for the proposed information collection should be sent within 30 days of publication of this notice to [www.reginfo.gov/public/do/PRAmain](http://www.reginfo.gov/public/do/PRAmain). Find this particular information collection by selecting “Currently under 30-day Review—Open for Public Comments” or by using the search function.

**FOR FURTHER INFORMATION CONTACT:** Suzanne H. Plimpton, Reports Clearance Officer, National Science Foundation, 2415 Eisenhower Avenue, Alexandria, VA 22314, 703–292–7556, or send email to [splimpto@nsf.gov](mailto:splimpto@nsf.gov). Individuals who use a telecommunications device for the deaf (TDD) may call the Federal Information Relay Service (FIRS) at 1–800–877–8339, which is accessible 24 hours a day, 7 days a week, 365 days a year (including federal holidays). Comments regarding this information collection are best assured of having their full effect if received within 30 days of this notification. Copies of the submission(s) may be obtained by calling 703–292–7556.

NSF may not conduct or sponsor a collection of information unless the collection of information displays a currently valid OMB control number, and the agency informs potential persons who are to respond to the collection of information that such persons are not required to respond to the collection of information unless it displays a currently valid OMB control number.

**SUPPLEMENTARY INFORMATION:**

*Title of Collection:* Grantee Reporting Requirements for Science and Technology Centers (STC): Integrative Partnerships.

*OMB Number:* 3145–0194.

*Type of Request:* Intent to seek approval to extend an information collection.

**Proposed Project**

The Science and Technology Centers (STC): Integrative Partnerships Program supports innovation in the integrative conduct of research, education and knowledge transfer. Science and Technology Centers build intellectual and physical infrastructure within and between disciplines, weaving together knowledge creation, knowledge integration, and knowledge transfer. STCs conduct world-class research through partnerships of academic institutions, national laboratories, industrial organizations, and/or other public/private entities. New knowledge

thus created is meaningfully linked to society.

STCs enable and foster excellent education, integrate research and education, and create bonds between learning and inquiry so that discovery and creativity more fully support the learning process. STCs capitalize on diversity through participation in center activities and demonstrate leadership in the involvement of groups underrepresented in science and engineering.

Centers selected will be required to submit annual reports on progress and plans, which will be used as a basis for performance review and determining the level of continued funding. To support this review and the management of a Center, STCs will be required to develop a set of management and performance indicators for submission annually to NSF via an NSF evaluation technical assistance contractor. These indicators are both quantitative and descriptive and may include, for example, the characteristics of center personnel and students; sources of financial support and in-kind support; expenditures by operational component; characteristics of industrial and/or other sector participation; research activities; education activities; knowledge transfer activities; patents, licenses; publications; degrees granted to students involved in Center activities; descriptions of significant advances and other outcomes of the STC effort. Part of this reporting will take the form of a database which will be owned by the institution and eventually made available to an evaluation contractor. This database will capture specific information to demonstrate progress towards achieving the goals of the program. Such reporting requirements will be included in the cooperative agreement which is binding between the academic institution and the NSF.

Each Center’s annual report will address the following categories of activities: (1) Research, (2) education, (3) knowledge transfer, (4) partnerships, (5) diversity, (6) management and (7) budget issues.

For each of the categories the report will describe overall objectives for the year, problems the Center has encountered in making progress towards goals, anticipated problems in the following year, and specific outputs and outcomes.

*Use of the Information:* NSF will use the information to continue funding of the Centers, and to evaluate the progress of the program.

*Estimate of Burden:* 100 hours per center for twelve centers for a total of 1200 hours.

*Respondents:* Non-profit institutions; federal government.

*Estimated Number of Responses per Report:* One from each of the twelve centers.

*Comments:* Comments are invited on (a) whether the proposed collection of information is necessary for the proper performance of the functions of the Agency, including whether the information shall have practical utility; (b) the accuracy of the Agency’s estimate of the burden of the proposed collection of information; (c) ways to enhance the quality, utility, and clarity of the information on respondents, including through the use of automated collection techniques or other forms of information technology; and (d) ways to minimize the burden of the collection of information on those who are to respond, including through the use of appropriate automated, electronic, mechanical, or other technological collection techniques or other forms of information technology.

Dated: February 22, 2022.

**Suzanne H. Plimpton,**  
*Reports Clearance Officer, National Science Foundation.*

[FR Doc. 2022–03974 Filed 2–24–22; 8:45 am]

**BILLING CODE 7555–01–P**

**NATIONAL SCIENCE FOUNDATION**

**Agency Information Collection Activities: Comment Request**

**AGENCY:** National Science Foundation.

**ACTION:** Submission for OMB review; comment request.

**SUMMARY:** The National Science Foundation (NSF) has submitted the following information collection requirement to OMB for review and clearance under the Paperwork Reduction Act of 1995. This is the second notice for public comment; the first was published in the **Federal Register** and one request for a copy of the information collection was received. NSF is forwarding the proposed renewal submission to the Office of Management and Budget (OMB) for clearance simultaneously with the publication of this second notice.

**DATES:** Written comments and recommendations for the proposed information collection should be sent within 30 days of publication of this notice to [www.reginfo.gov/public/do/PRAmain](http://www.reginfo.gov/public/do/PRAmain). Find this particular information collection by selecting “Currently under 30-day Review—Open for Public Comments” or by using the search function.