

SOUTH DAKOTA SCIENCE AND TECHNOLOGY AUTHORITY
REQUEST FOR PROPOSAL

Impact Study

Contract #

The South Dakota Science and Technology Authority (SDSTA) is seeking proposals for an Impact Study at the Sanford Underground Research Facility (SURF) located in Lead, South Dakota.

Economic Impact Study Scope

The South Dakota Science and Technology Authority (SDSTA) manages the Sanford Underground Research Facility (SURF), where world-leading research is underway. In an effort to better understand the economic and fiscal impacts of SURF operations, as well as the SURF Institute on the region and statewide, the SDSTA is seeking an economic and fiscal impacts study that will focus on the following:

1. Economic activity or output created through activities at SURF in the region and state
2. State and local government revenues and costs, taxable spending, property taxes
3. Job generation within the region and state
4. Earnings for residents within the region and state

The end result of the impacts study should include a formal report with a 10-year horizon and a summary of the report in PowerPoint format. All report materials and supporting graphics shall be provided in a format suitable for use on the Internet. The SDSTA shall retain full publishing rights and will credit the selected proposer.

SURF is a multidisciplinary science research facility that partners with national and international laboratories and institutions to host world-leading experiments, including the LUX-ZEPLIN (LZ) dark matter experiment and the future Long-Baseline Neutrino Facility and Deep Underground Neutrino Experiment (LBNF/DUNE). Additionally, SURF continues to compete for new experiments and is moving forward with plans to create and build the SURF Institute, with the goal of bringing scientists from around the globe to explore new science initiatives, while providing space for our science, technology, engineering and math (STEM) outreach programs and an Ethnobotanical Garden. Both the SURF Institute and Ethnobotanical Garden will be funded through the SURF Foundation using private monies.

Such projects have the potential to impact the economy of the region and state, creating hundreds of new jobs and bringing in millions of dollars.

Currently, SURF employs approximately 175 full-time employees and is used by hundreds of researchers, as well as contractors and vendors. From 2008 to the present time, SURF has spent more than \$201 million in South Dakota.

An economic impact study done by the Anderson Economic Group in 2016 on LBNF/DUNE, is projected to create more than 1,800 jobs and inject nearly \$1 Billion into the economy. The project currently is under construction in Lead, South Dakota, and Batavia, Illinois. The full report is available online:

https://www.andersoneconomicgroup.com/Portals/0/Fermilab_LBNFImpact_FINAL.pdf

Other benefits of SURF

In addition to economic impacts, SURF provides programming for K-12 education and teacher development. From 2008 to 2015, SURF's Education and Outreach program reached more than 20,000 K-12 students. With the introduction of curriculum modules and focused classroom presentations in 2015, that number has reached more than 50,000 students and several hundred teachers statewide.

SURF provides programs for students in higher education as well. Students participate in the internship program and the Davis-Bahcall Scholars Program, both funded through the SDSTA. Additionally, graduate and undergraduate students from institutions in South Dakota, other regions of the United States and dozens of countries are given the opportunity to work with experts from around the world on cutting-edge research.

More information about SURF can be found at **www.sanfordlab.org**

Proposals must include the following:

- References
- Examples of similar studies
- Project cost
- Delivery time
- Resumes of assigned researchers

Please direct all questions in writing to Jenni Darlow at jdarlow@sanfordlab.org by August 27th, 2020 at 2:00 p.m. MST . If questions are received, a "Questions and Answers" document will be posted as an amendment to this RFP by September 2, 2020 by 2:00 p.m MST.

All proposals must be submitted no later than the closing date of September 10, 2020 by 2:00 p.m. MST. Please submit one electronic copy (.pdf format is preferred) of your proposal to jdarlow@sanfordlab.org. Late submissions will not be accepted. Proposals will be evaluated based on qualifications/capabilites, references, and overall best value.

The proposal period may be extended at the discretion of SDSTA based on the quantity and/or complexity of questions. Any notices of extension of time to respond will be distributed to all prospective offeror(s) by SDSTA.

All communications regarding this procurement between RFP release and contract award shall be directed by email to jdarlow@sanfordlab.org. Communications with other SDSTA staff regarding this procurement in advance of the contract award are not allowed.