

REQUEST FOR APPROVAL

To: Matt Henigan, Deputy Director
Materials Management and Local Assistance Division

From: Clark Williams, Branch Chief
Statewide Technical and Analytical Resources Branch

Request Date: February 10, 2020

Decision Subject: Approval of Scope of Work for the Global Social Innovation Challenge Contract (Tire Recycling Management Fund, FYs 2019–20, 2020–21)

Action By: February 20, 2020

Summary of Request

Staff requests approval of the Scope of Work (SOW) for the Global Social Innovation Challenge (GSIC) Contract and approval to contract with San Diego State University (SDSU) Research Foundation to perform the work.

Recommendation

Approve the Scope of Work for the GSIC contract in an amount not to exceed \$80,000, subject to the availability of funds, and selection of SDSU Research Foundation as the contractor to perform the work. The contract will be funded from the Tire Outreach and Market Analysis (TOMA) line item contained in the Tenth Edition of the Five-Year Tire Plan for the Waste Tire Management Program Covering FYs 2019/20 – 2023/24, using \$40,000 from FY 2019–20 and \$40,000 from FY 2020–21.

Funding Information

Fiscal Year	Fund Source	Amount Available	Amount to Fund Item	Amount Remaining	Line Item
2019-20	Tire Support	\$350,000	\$40,000	\$310,000	Tire Outreach & Market Analysis
2020-21	Tire Support	\$350,000	\$40,000	\$310,000	Tire Outreach & Market Analysis

Deputy Director Action

On the basis of the information and analysis in this Request for Approval, I hereby approve the SOW for the GSIC Contract, funding allocation not to exceed eighty thousand dollars (\$80,000), and authorize staff to execute a contract with SDSU Research Foundation.

Dated: February 18, 2020

Signed by Matt Henigan, Deputy Director

Matt Henigan
Deputy Director

Attachments: Scope of Work

Background Information, Analysis, and Findings

The Global Social Innovation Challenge is a social venture pitch competition that recognizes and rewards student-led social ventures focused on sustainable change. Since 2011, students from 35 universities and 17 different countries have participated in the Challenge and submitted over 900 venture proposals.

The GSIC solicits proposals for 18 different sustainable development goals (SDGs) such as zero hunger, clean energy, and climate action. The CalRecycle contract will support a SDG specifically to reduce, reuse or utilize waste tires in the production of new products. In 2019, CalRecycle funded a pilot waste tire SDG as part of the 2019 GSIC. Five waste tire related proposals were received in 2019 for a variety of activities including: new tire derived products (TDPs) for FEMA trailer flooring; a traffic crash barrier product; tire shreds used in a civil engineering application as earthquake mitigation; and a smartphone application designed to increase tire life and reduce waste.

Engaging future generations to help solve the challenges posed by waste tires is critical and may result in new creative ideas to improve the existing methods to manage waste tires. Partnering with the GSIC will introduce engineering and design students to the benefits and availability of tire derived materials. This exposure to tire derived materials will increase awareness of the potential to use “waste” to create new beneficial products. Engagement in the GSIC will also build new partnerships between private and public sector partners as waste tire issues are openly discussed and addressed.

This contract will support a waste tire SDG within the competition for academic years 2020-21 and 2021-22. Information gathered during each GSIC cycle will be used to improve future competitions in relation to waste tire recycling and TDP development. The GSIC contract will focus on:

- 1) Developing the waste tire SDG framework and governing rules that fit within established approaches for the GSIC.
- 2) Promoting the waste tire SDG to prospective participating colleges and universities. Include the waste tire SDG in all GSIC written materials, including web site and downloadable instructions for participants and judges. Design/develop written materials to support this task as needed.
- 3) Soliciting judges for the competition from stakeholders in the waste tire market industry.