

\$250,000 in prize \$\$\$

A worker wearing a white protective suit, orange gloves, and an orange hard hat with a headlamp is kneeling and working on a large, dark, cylindrical rotating shaft. The worker is holding a bundle of white cables connected to a black electronic device labeled "Dev 2". The device is mounted on the shaft. The background shows industrial machinery and a concrete ceiling.

**Can you help us
power electronic
instrumentation on a
rotating shaft?**

WATER

PRIZE COMPETITION CENTER

Reduction-to-Practice Challenge **Powering Electronic Instruments on a Rotating Shaft**

Problem

How can we reliably provide direct current power for loads of up to twenty watts to electronics on rotating shafts?

Impact from a Successful Solution

New solutions support critical advancements toward keeping units operational and reducing costly outages.

Contact

Bobbi Jo Merten
303.445.2380
bmerten@usbr.gov

What is a Prize Competition?

A problem-solving event where U.S. federal agencies invite the public to help solve perplexing mission-centric issues and drive innovation.

Why are Reclamation's Prize Competitions important?

Established in 1902, Reclamation is best known for the dams and powerplants it constructed in the 17 western states. Today, it is a contemporary water management agency. Prize competitions help us solve some of the most critical water and water-related resource problems facing the Nation.

www.usbr.gov/research/challenges/shaft-power