



Guardians of the Reservoir Challenge

www.herox.com/GuardiansoftheReservoir

Challenge Messaging:

The challenge calls on the global community of solvers to find an innovative solution to remove and control the amount of sediment building up in the reservoirs that provide millions with irrigation, potable water, electricity, flood control, and recreation. The build-up of sediment leaves less room for water, and less water means that our reservoirs cannot meet the demand of the communities we serve.

The water infrastructure in the United States has aged, and there has been little technological advancement in sediment management for several decades. Despite best efforts, current “best practices” are expensive, energy-costly, and difficult to deploy year-round, given weather constraints (e.g., work can only be done when the reservoir water is not frozen.) Maintenance requires significant manpower and leaves a high carbon footprint.

There are currently no robust and cost-effective alternatives available to Reclamation and the US Army Corps of Engineers, who is a co-sponsor of this challenge.

The Prize: The authors of the most compelling submissions to this Guardians of the Reservoir Challenge will have the opportunity to develop and demonstrate their technologies at increasing scales for the Challenge sponsors. In addition to \$550,000 of total prize money, winners will have access to subject matter experts from Reclamation and may receive external test data from their technologies and may have additional opportunities to work with Reclamation, the U.S. Army Corps of Engineers, or their partners to further develop their approaches.

Facebook/LinkedIn:

Help improve U.S. reservoirs by finding the best way to remove pesky sediment build up and recover the reservoir’s storage capacity. Learn more about the #crowdsourcing challenge and join the community trying to solve this problem
www.herox.com/GuardiansoftheReservoir

The Guardians of the Reservoir Challenge is #crowdsourcing innovative solutions to collect or remove sediment build up in reservoirs to recover lost water storage capacity. Join the challenge community today, find a team to collaborate with and solve this critical



problem for a chance at the prize money to develop your solution further!
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The Bureau of Reclamation is #crowdsourcing ideas on how to more efficiently and sustainably remove the sediment build up that occurs in reservoirs across the country. If you can solve this problem, you can earn prize money to develop your solution further! Learn more at the Guardians of the Reservoir Challenge today.
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Reservoirs are crucial in supplying water to farms and residential areas in various parts of the U.S. It's important that we find improved ways to remove the sediment build up that occurs over time. Learn how you can get involved in the #crowdsourcing competition looking to achieve this goal. www.herox.com/GuardiansoftheReservoir

Twitter:

Check out the Guardians of the Reservoir Challenge that's #crowdsourcing ways to sustain US reservoirs by improving the way sediment is collected or removed.
www.herox.com/GuardiansoftheReservoir

The Bureau of Reclamation is #crowdsourcing your ideas on how to more efficiently and sustainably remove or collect sediment build up in reservoirs. Do you have the winning idea? Join the community to solve this problem today!
www.herox.com/GuardiansoftheReservoir

Imagery

Option A



Option B



Image Description: A photograph of Lake Powell Delta in Utah. The image shows a meandering river that is slightly brown due to sediment. The logos for HeroX, The Bureau of Reclamation and the US Army Corps of Engineers are overlaid.