



# Redrock power United States

Is Red Rock the future of hydropower?

Indeed, Red Rock is the story of the past, present, and future of hydropower in America. Today, the 36.4-megawatt (MW) rated Red Rock Hydroelectric Project is completed and waiting for final wet commissioning in March 2021.

What is Red Rock hydroelectric project?

Today, the 36.4-megawatt (MW) rated Red Rock Hydroelectric Project is completed and waiting for final wet commissioning in March 2021. Water will soon be flowing through the turbines, spinning generators that are helping to power over 18,000 homes and businesses in 61 communities in the states of Iowa, Minnesota, North Dakota, and South Dakota.

Does Red Rock Lake have a power source?

Even though the Red Rock Lake opened in 1969, until the summer of 2020, it was one of approximately 80,000 dams in the United States that did not have a power-generating component. Hundreds - if not thousands - of these dams are waiting for their energy potential to be unleashed.

Who is Red Rock renewables?

Red Rock Renewables is a champion of innovation, supporting growth across the renewable energy industry and contributing to Europe's net zero ambitions. © Copyright 2024 Red Rock Renewables All Rights Reserved. Responsive website design, Development & Hosting by mtc.

Why did the Red Rock Dam add hydroelectric power?

(Photograph courtesy of Stantec) The addition of hydroelectric power to the existing Red Rock Dam on Iowa's Des Moines River presented engineers with the opportunity to use an untapped resource to generate clean and reliable power.

Who approved the Red Rock project?

The Red Rock project, for instance, required approval of the U.S. Army Corps of Engineers' Rock Island District, the Federal Energy Regulatory Commission, and an independent external peer-review panel.

The Red Rock Hydroelectric Project will tap into water from the Des Moines River to produce enough energy to turn on lights, air conditioning and other electricity needs for 18,000 homes. It's located at the base of the Red Rock Dam, a U.S. Army Corps of Engineers flood-control structure that has been in place since 1969.

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Power Magazine has named The Red Rock Hydroelectric Project a 2021 POWER Top Plant award winner in the Renewable Energy category. The decision to add power generation to the existing Red Rock Dam on the Des Moines River was based on the desire to supply clean, reliable, cost-effective, long-term renewable electricity to local communities.

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Missouri River Energy Services (MRES) was seeking a way to add hydroelectric power to the existing US Army Corps of Engineers (USACE) Red Rock Dam on the Des Moines River near Pella, Iowa. The 110-foot-high, 6,260-foot-long dam was originally constructed in the 1960s for flood control and recreation purposes.

The Red Rock Hydroelectric Project is an example of a public power utility that listened to its stakeholder communities. Designed primarily for flood-control purposes, the Red Rock Dam was constructed in the 1960s on the Des Moines River and Lake Red Rock, near Pella, Iowa, by the U.S. Army Corps of Engineers.

Far from being tapped out, the report found that U.S. hydropower could grow its installed capacity by 50% by 2050. Retrofitting dams like Red Rock across the U.S. will help us achieve this goal.



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