

Kleinschmidt Awarded Orr Ditch Hydroelectric Project with Truckee Meadows Water Authority

Water Authority Generates Renewable Hydropower to Power Reno's Primary Water Treatment facility

PORTLAND, OR, USA, January 27, 2022 /EINPresswire.com/ -- Kleinschmidt Associates, an engineering, regulatory, and environmental consulting firm, has been selected by Truckee Meadows Water Authority (TMWA) to provide engineering services to support the Orr Ditch Hydroelectric Project as it moves forward to final design and construction.

For the last four years, TMWA and Kleinschmidt have worked together to study and advance the Orr Ditch Hydroelectric Project that will generate renewable [hydropower](#) for use at TMWA's largest water treatment plant. This project will save TMWA energy costs and provide clean power to a key part of TMWA's water treatment and delivery system.

"It's so exciting to be able to use existing infrastructure to bring renewable hydropower onto the grid efficiently," says Mike Parker, Engineering Market Leader at Kleinschmidt, "Systems like TMWA's Orr Ditch Hydroelectric Project are part of a more significant trend of bringing hydropower online at existing nonpowered dams and conduits. These systems can have attractive project economics and have a streamlined permitting process through FERC's Qualifying Conduit Hydropower Facility program. This combination of great value and simplified development makes this project a great opportunity and long-term value for water authorities and other owners.

Kleinschmidt was first approached by Brent Eisert, TMWA Hydroelectric Generation Manager back in 2018 with the concept of this project. "The project will utilize existing infrastructure and unused canal capacity for driving two new generators located below TMWA's Chalk Bluff Water Treatment Plant.", says Eisert, "Kleinschmidt was instrumental with their guidance through the approval process for the Qualifying Conduit Facility program and are continuing as a consultant



Truckee Meadows Water Authority Orr Ditch Project, Reno, Nevada



Not only will this project provide for a reduction in annual energy costs, it will also serve as a clean renewable backup energy source for the water treatment plant."

*BRENT Eisert, TMWA
Hydroelectric Generation
Manager*

assisting with the design of the new facility. Not only will this project provide for a reduction in annual energy costs, but it will also serve as a clean renewable backup energy source for the water treatment plant and will help in assuring the Reno-Sparks community a supply of high-quality drinking water."

The project's final design began in early 2022, with an estimated completion date of late 2023.

About Kleinschmidt

Kleinschmidt Associates performs engineering, regulatory and environmental consulting for North American energy

companies and government agencies who strive to protect and enhance the natural environment without compromising performance. We work at the intersection of regulatory requirements, environmental science, and engineering solutions to achieve our client's objectives. For over half a century, Kleinschmidt has continually delivered new ideas that offer practical solutions to tough problems and sensitive issues. Our goal is to bring energy, water, and the environment into balance so future generations will thrive.

GinaRenee Autrey
Kleinschmidt Associates
+1 803-395-0483

[email us here](#)

Visit us on social media:

[Twitter](#)

[LinkedIn](#)

[Other](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/561506878>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2022 IPD Group, Inc. All Right Reserved.