



# PRESS RELEASE



FOR IMMEDIATE RELEASE

December 10, 2021

[atrefry@manitouspringsco.gov](mailto:atrefry@manitouspringsco.gov)

(719) 306-2884

## Manitou Springs Modernizes Water Infrastructure for Clean Energy Recovery

MANITOU SPRINGS CO — We are pleased to announce that the City of Manitou Springs has taken yet another step towards utilizing the amazing benefits of renewable energy. In partnership with the Colorado Water Resources and Power Development Authority (CWRPA), we have finished the installation of an in-pipe hydropower system developed by Rentricity Inc. Rentricity's Flow-to-Wire™ system will use the high-pressure water delivered from the Manitou Reservoir to generate electricity.

The water is piped into the water treatment plant at around 250 psi. Instead of using pressure reducing valves to lower the water pressure, the high-pressure water turns a hydro turbine that generates electricity. By turning the generator, it reduces the water pressure to a much more manageable amount of around 16 psi.

During the Summer months, when water usage is at its highest, our Water Treatment Plant will be 100% self-sustaining. With a 30+ year operating expectancy, this hydro turbine will provide clean and renewable energy for decades to come.

In addition, due to our Sun Share contract with Colorado Springs Utilities, the remainder of our energy that is not covered by our Flow-to-Wire system will be generated by solar panels from outside of Manitou Springs – resulting in a Water Treatment Plant that is fully sustained by renewable energy, no matter the month of the year.

**Please join us on Thursday, December 16<sup>th</sup>, 2021 at 1PM-2PM for a ribbon cutting ceremony to discuss this great achievement. You will hear from Dole Grebenik, City Engineer, and John Graham, Mayor of Manitou Springs.**

**In addition, you can receive a tour of the hydropower system from city staff to learn more about the process in which water pressure is turned into power.**

**Location: Manitou Springs Water Treatment Plant – 1000 Water Treatment Plant Rd / take Trestle Trail and follow the signs.**

##