



# CASE STUDY

## Newterra Achieves "New Heights" in Wastewater Treatment!

From eight months from contract award to system operation, Newterra supplies a rapid solution and within a tight budget to save the day for this remote community.

**Market Served:** Small Remote Community  
**Application:** Decentralized Wastewater Treatment  
**Location:** Telluride, Colorado  
**Challenge:** Emergency Replacement System  
**Solution/Service:** MBR Sewage Treatment Plant

### Summary

Last Dollar is a year-round residential community located just outside of Telluride, Colorado. The facility had been reliant on an aging treatment system that was failing quickly and needed immediate replacement to prevent operational fines. The current technology would not meet the new and more stringent effluent requirements in Colorado, so the project had to be completed quickly and within a tight budget. **AquaWorks DBO** provided the permitting and site engineering support for the Last Dollar HOA (*Home Owners Association*) to ensure the project was completed in 8 months from contract award to system operation.

### The Client

Last Dollar is a year-round residential community located just outside of Telluride, Colorado.

### The Challenge

The key challenges facing the Last Dollar project was its difficult location for installation and the overall tight schedule to replace the old failing system. The **Colorado Department of Public Health and Environment (CDPHE)**, had provided effluent requirements much less than the initial system was designed for – therefore, changing technology to MBR was now a must.

### The Solution

AquaWorks DBO worked with the client, confirming that Newterra's modular membrane bioreactor (MBR) technology was the only option that met all the specific requirements of installation, schedule, effluent performance, and overall equipment and installation costs.

Newterra began working with AquaWorks DBO immediately to finalize the best system that would provide the required capacity of treatment and meet the effluent limits imposed by the CDPHE. The preliminary design was presented to the CDPHE and their quick and positive response to the system design solution allowed Newterra to begin fabrication of the system within four months, due to weather constraints. Ultimately, the system was shipped in January, and was already treating 10,000 gpd (38 m<sup>3</sup>/day) of wastewater in March.

### An Award-Wining Partnership

AquaWorks DBO, Inc. was **awarded the GRAND PRIZE** by the American Academy of Environmental Engineers and Scientists® for Excellence in Environmental Engineering and Science™ for this project.

### What's Your Unique Water Question?

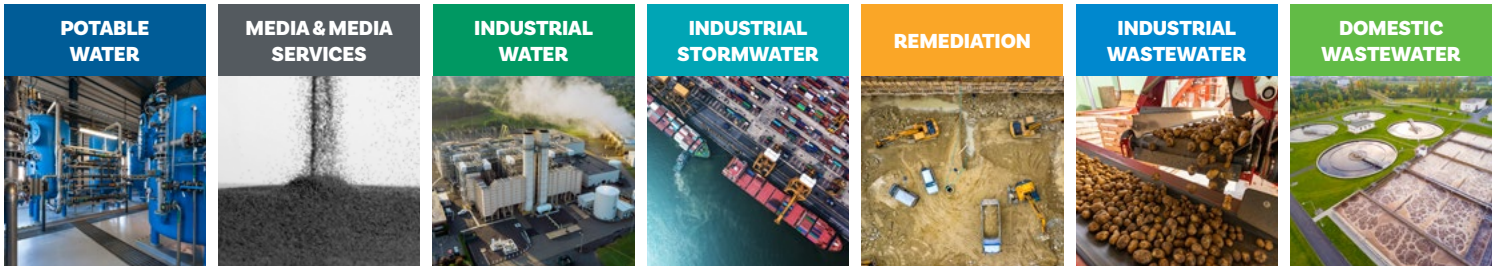
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## From Source to Solution choose Newterra

*Your trusted partner for comprehensive environmental solutions*

With technology brands whose histories expand back for more than 150 years, Newterra has steadily grown from its roots to become a global solutions provider in water and wastewater treatment. Our journey is a testament to our deep understanding of the multifaceted challenges across various markets and applications.

Our “One Newterra” ethos a commitment to providing a comprehensive array of technical solutions, ensuring we address the full spectrum of our clients’ needs. This dedication extends beyond technology, as we nurture enduring partnerships with our clients, standing by them throughout every phase of their challenges. At the heart of Newterra is our unwavering commitment to sustainability.

*Our people, our technologies and our practices contribute meaningfully to a sustainable and brighter future.*



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