



Winter 2020



**OneWater Nevada**  
Our Sustainable Water Future

## What Is OneWater Nevada?

- OneWater Nevada is a collaborative effort of regional agencies exploring an approach to extending the usefulness of our existing, local water resources for the future.
- The initial effort is to evaluate improving water utilization efficiency, providing operating flexibility during periods of water scarcity, and diversifying the region's water supply portfolio utilizing Nevada's newly adopted "A+" reclaimed water category.
- Collaborating agencies include: University of Nevada, Reno; Truckee Meadows Water Authority, Washoe County, City of Reno, City of Sparks, Western Regional Water Commission, Northern Nevada Water Planning Commission and Truckee Meadows Water Reclamation Facility.

## What is the Overall Goal of OneWater Nevada?

- OneWater Nevada's goal is to evaluate treatment technologies and determine if advanced purified water can offer long-range benefits to the Truckee Meadows water portfolio.
- The feasibility effort consists of multiple elements, including technical, social, environmental and financial analyses, regulatory compliance, public engagement, advanced treatment pilot testing, geotechnical investigations, and field scale treatment demonstration projects.

## Where does OneWater Nevada get its funding?

- Significant grant awards have been received from The Water Research Foundation, Nevada Division of Environmental Protection, and the United States Bureau of Reclamation. Additional funding comes from the participating regional agencies.
- The \$9 million overall effort was initiated in 2016 and is expected to be completed in 2020.

## Evaluations and Studies Underway

### What is the American Flat Road Hydrogeological Investigation?

- This evaluation examined the physical hydrogeologic characteristics of the underground aquifer and surrounding area at American Flat Road.
- Test amounts of potable water sourced from TMWA were injected to study the hydraulic effects and response.
- Project Timeline: January – July 2019

### What are the South Truckee Meadows Water Reclamation Facility Pilot Studies?

- The pilot studies are designed to validate water treatment technologies to ensure they meet the rigorous advanced purified water (Category A+) standards.
- Project Timeline: May 2017 - September 2019

## What is Advanced Purified Water?

- Category A+ reclaimed water is advanced purified (reclaimed or recycled) water that meets or exceeds all Federal and State drinking water standards.
- Treating reclaimed water to Category A+ status utilizes a state-of-the-art water treatment technology and then harnesses natural groundwater processes to safely produce a drinking water quality product.

### What is the Reno-Stead Water Reclamation Facility Demonstration?

- This is a small scale (15 gallons per minute) advanced purified water demonstration project with field-scale injection well demonstration.
- Project Timeline: October 2019 – June 2020

### What is the Cold Springs Water Reclamation Facility Hydrogeologic Study?

- This is a field-scale spreading basin demonstration and soil core study with the goal of demonstrating advanced purified water through soil aquifer treatment.
- Project Timeline: November 2018 – December 2020



[OneWaterNevada.com](http://OneWaterNevada.com)

#### For Project Information Contact:

Lydia Peri, Emerging Resources Program Administration, LPeri@tmwa.com, (775) 834-0247

OneWater Nevada welcomes public input. To share comments, please contact:

- Rick Warner, OneWater Nevada Program Manager, Rick@warnerh2o.com
- John Enloe, Truckee Meadows Water Authority, jenloe@tmwa.com, (775) 834-8250
- Dr. Krishna Pagilla, Chair, Civil and Environmental Engineering, University of Nevada, Reno, pagilla@unr.edu, (775) 682-7918