

Western Regional Water Commission

STAFF REPORT

DATE: January 11, 2022
TO: Chairman and Members, Western Regional Water Commission (WRWC)
FROM: Kim Rigdon, Water Resources Program Manager
SUBJECT: Presentation and report concerning progress and status of Regional Category A+ Reclaimed Water studies and demonstration projects supported by the Regional Water Management Fund (RWMF) during Fiscal Year (FY) 2021-2022.

SUMMARY

The University of Nevada, Reno (UNR) Nevada Water Innovation Institute (NWII) recently completed The Advanced Water Treatment Project to produce Category A+ water. This project was the basis for efforts in the region to demonstrate A+ water production. The specific demonstrations were at the South Truckee Meadows Water Reclamation Facility and Reno Stead Water Reclamation Facility, and the results of the project have been used to meet Nevada Division of Environmental Protection requirements and seek approval for full scale demonstration.

The Truckee Meadows Water Authority (TMWA) and City of Reno have approved an interlocal agreement to allocate cost associated with the planning, design and construction, and which allows for planning and design work to be completed, for the OneWater Nevada Advanced Purified Water Demonstration Project at American Flat.

BACKGROUND

WRWC is a partner to OneWater Nevada among TMWA, the Cities of Reno and Sparks, Washoe County, UNR and the Truckee Meadows Water Reclamation Facility. UNR receives funding from the RWMF through an interlocal agreement with WRWC in support of the OneWater Nevada Regional Category A+ Reclaimed Water Feasibility Study to evaluate whether the State of Nevada's Category A+ reclaimed water offers significant water resource management benefits. Category A+ reclaimed water is advanced purified water that meets or exceeds all Federal and State drinking water standards. 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.

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