

TRUCKEE MEADOWS WATER AUTHORITY

PRESENTATION TO THE LEGISLATIVE SUBCOMMITTEE ON PUBLIC LANDS

May 23, 2022



Truckee Meadows Water Authority (TMWA)

Formed by Reno, Sparks, and Washoe County in 2001

Objective: Retain local control over water resources

Population: 440,000 people (130,000 service connections)

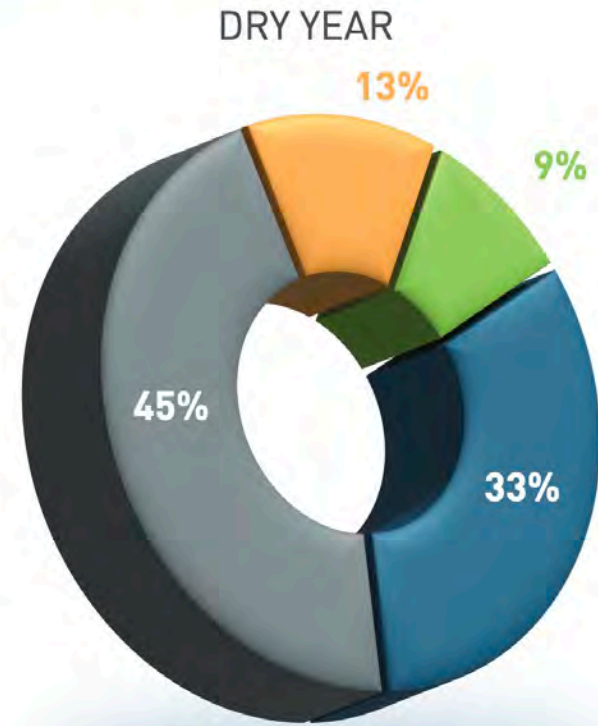
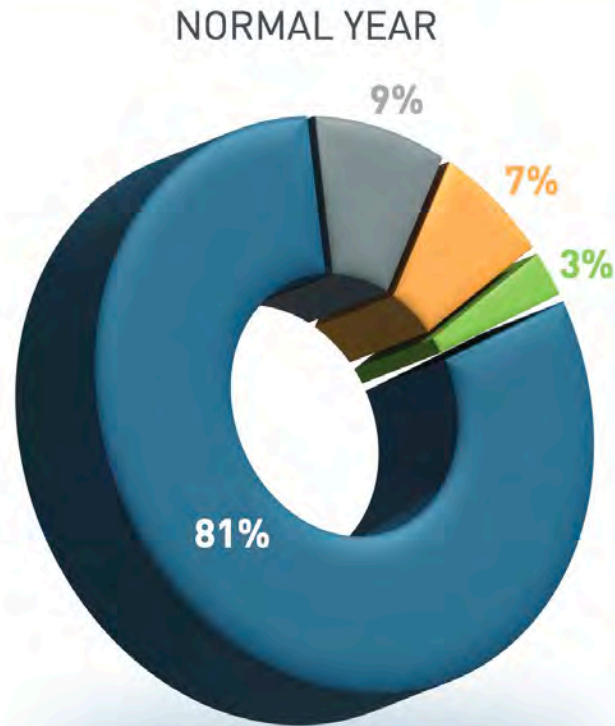
Demand: 83,000 Acre-Feet Annually

Renewables: 3 Hydroelectric Plants \approx Offset \$3.5M in Costs

TRUCKEE RIVER SYSTEM OVERVIEW

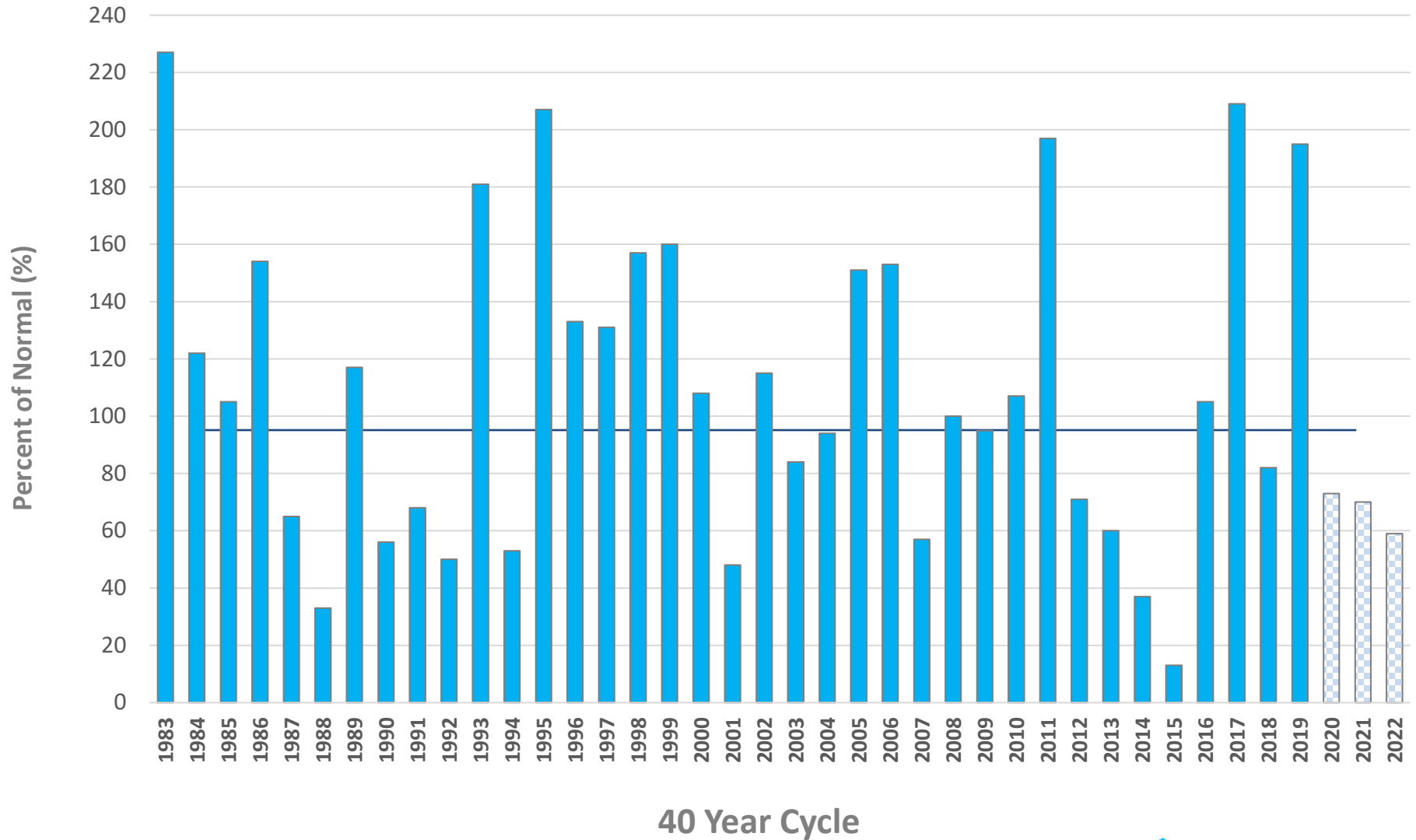


TYPICAL DIVERSIONS OF THE TRUCKEE RIVER - WATER-USE PERCENTAGES IN NORMAL V DRY YEARS

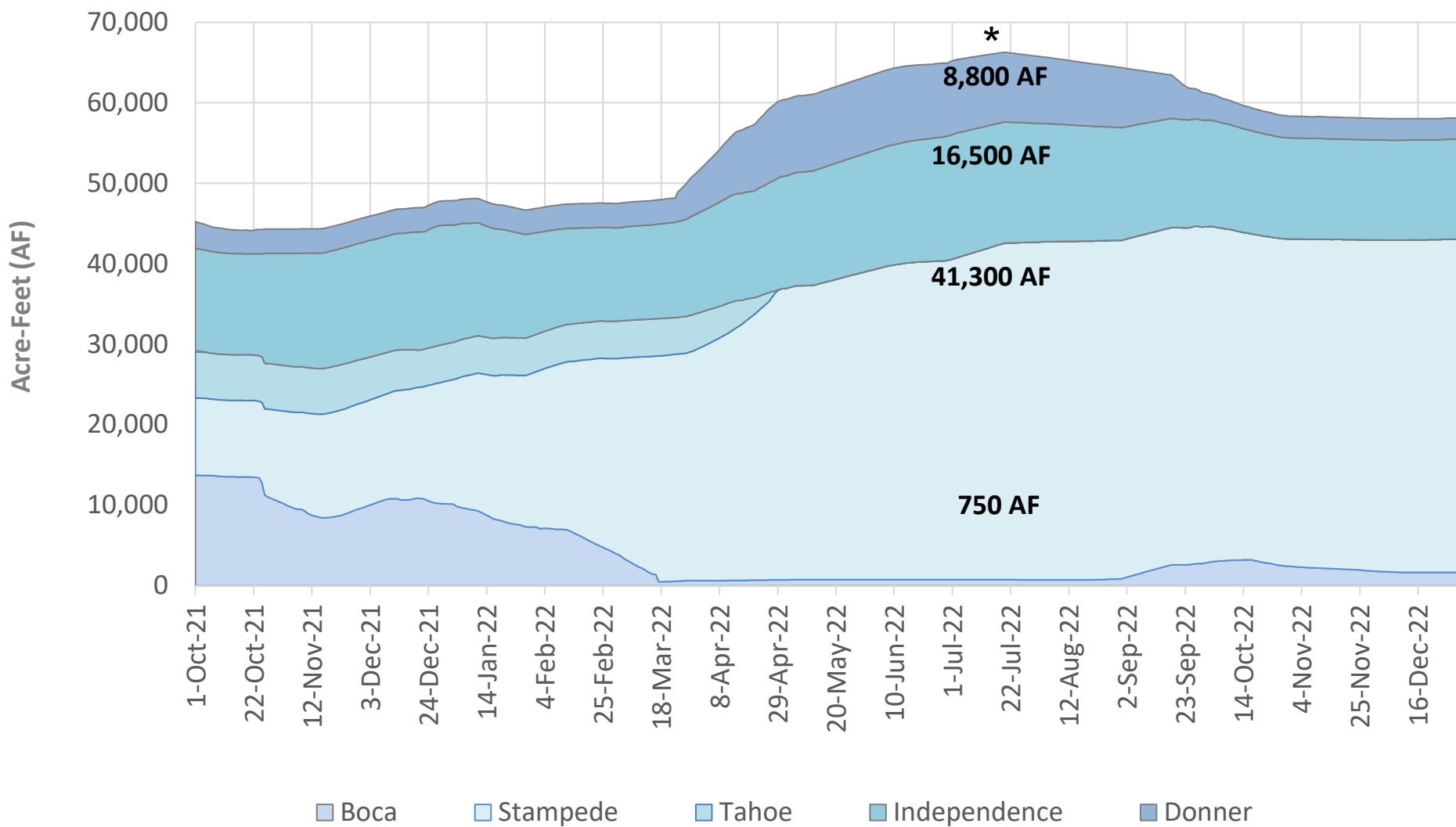


■ Tahoe Carson Irrigation District ■ TMWA ■ Pyramid Lake Paiute Tribe ■ Other

Truckee River Basin Snowpack



TMWA Upstream Storage



Drought Reserve Usage

Upstream Reserves Stored as of Today (Acre-feet)

62,764

[VIEW IN ACRE FEET*](#)



[VIEW IN GALLONS](#)
(Shown in millions)

Upstream Reserves Used This Year (Acre-feet)

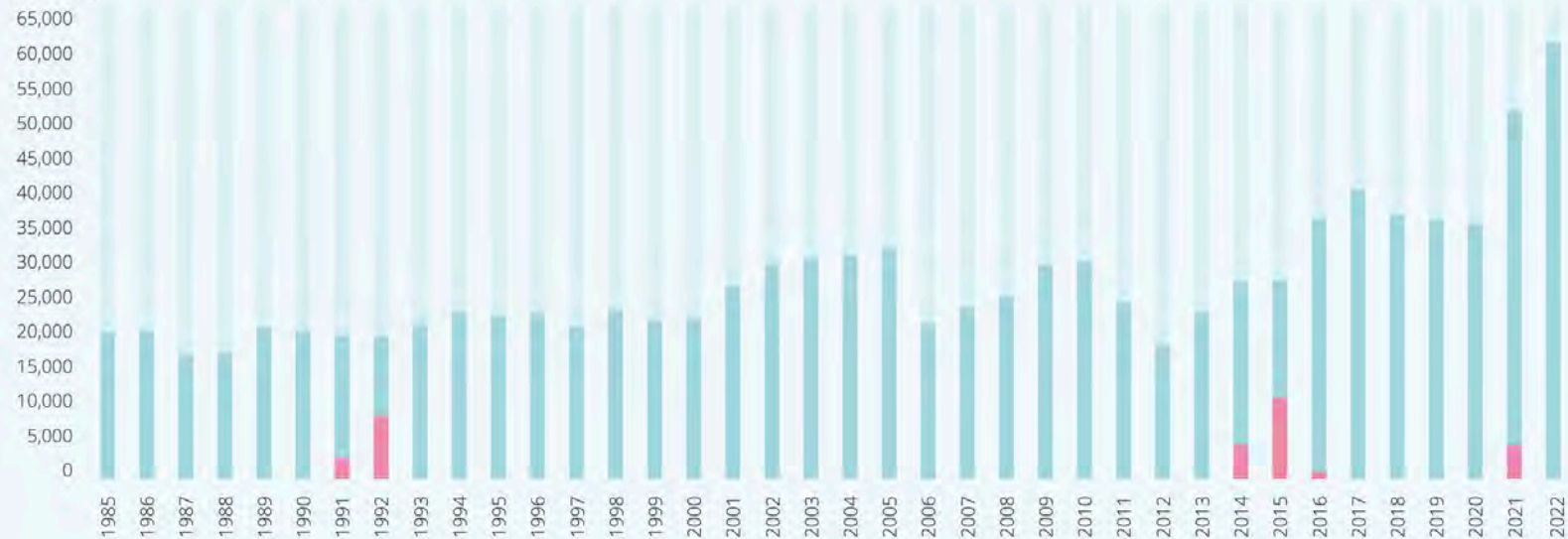
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*One acre foot = 325,851 gallons

Historical TMWA Upstream Reserves

■ STORED ■ USED

(Acre feet)



Current and Future Projects

- Forecast Informed Reservoir Operations (\$1.8M)
- Mt. Rose Water Treatment Plant (\$29M)
- Advanced Metering Infrastructure (\$25M)
- Treated Effluent To Tahoe-Reno Industrial Center
- Advanced Purified Water Facility (\$120M)
 - TMWA – City of Reno Recycled Water Partnership
 - Dual Purpose Project
- Palomino Valley Recycled Water Study
- Upper Watershed Forest Management

Collaborative Partnerships: “Ladybug” Project

Future Partnership Development:

- USFS – Tahoe National Forest
- National Forest Foundation
- The Nature Conservancy – Nevada Chapter
- Truckee Meadows Water Authority
- Truckee River Watershed Council
- Other future partners to be identified

Fuels Treatment Examples



Forest near Independence Lake before thinning

Photo Credit: Mickey Hazelwood, The Nature Conservancy



Forest near Independence Lake after thinning

Potential Water Quality Impacts



Example of unburned (left) and postfire (right) stream beds (Southern Rockies)

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Questions?

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