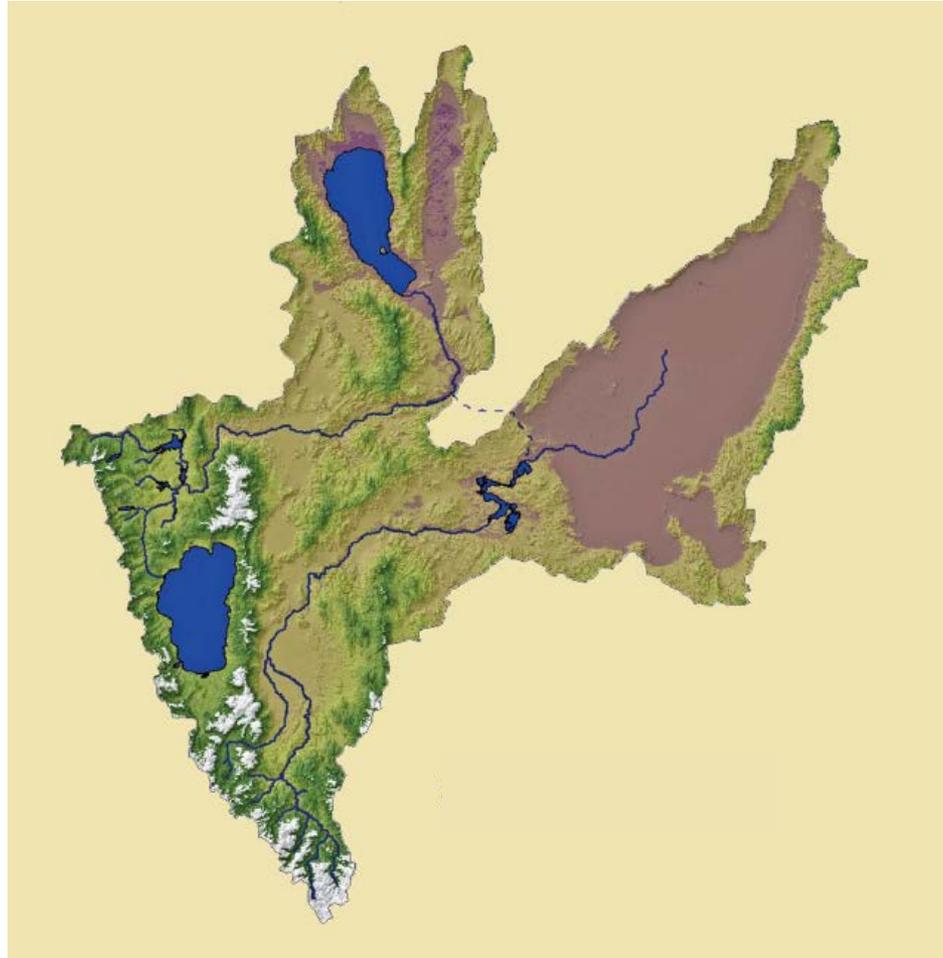


# SOUTH TAHOE PUBLIC UTILITY DISTRICT The Northern Nevada Connection



California Water Commission Workshop  
MAY 21, 2014



# Discussion Agenda

- District Introduction
- The Tahoe Basin and the East Slope of the Sierras
  - Truckee River Basin
  - Carson River Basin
- Potable water in the Region
- Recycled water in the Region

# STPUD Water System

- Serves more than 13,900 homes and businesses
- Annual production nearly 2.5 billion gallons
  - 16 groundwater wells
  - 22 water storage tanks
  - 16 booster stations and
  - 253 miles of waterlines
- 100% groundwater



# STPUD Wastewater System

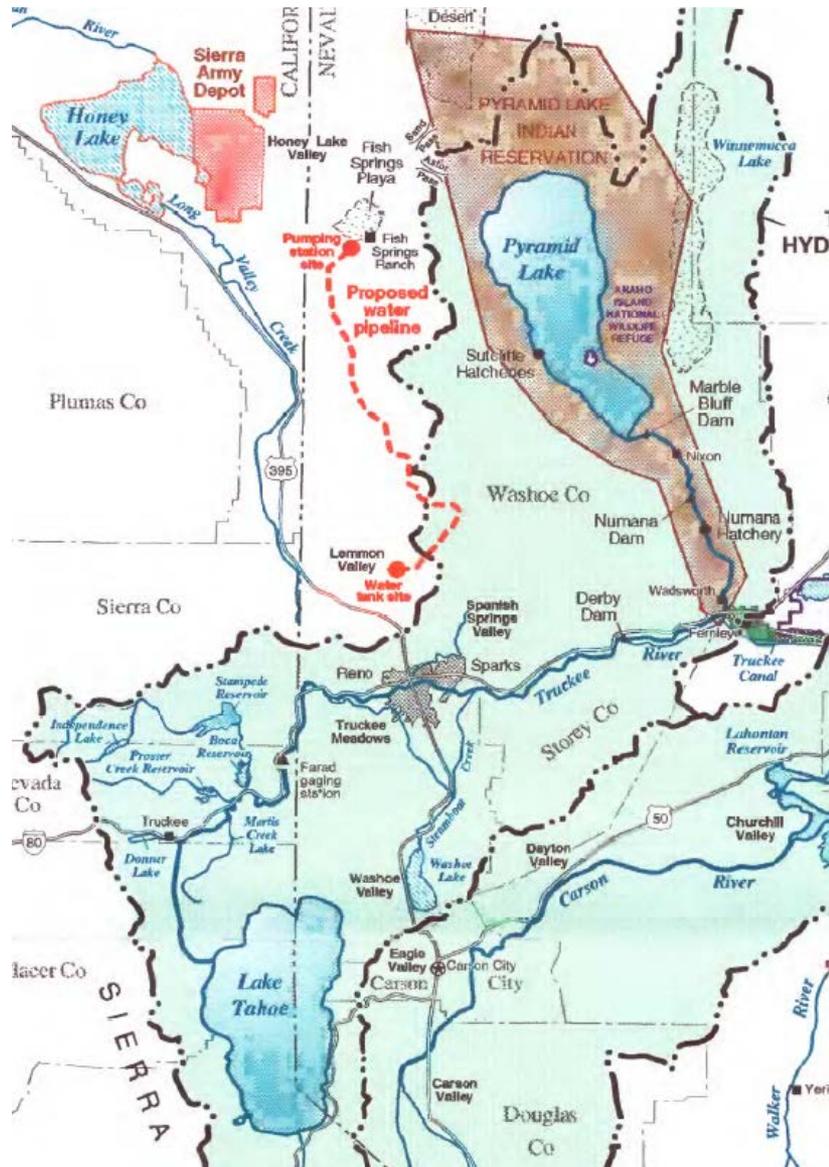
- 17,800 Customers
- 353 miles of sewer
- 42 lift stations
- 7.7 MGD WWTP
- Treats and exports more than 1.6 billion gallons of recycled water annually



# STPUD Recycled Water Export System

- Luther Pass Pump Station
- 26 - mile export pipeline
- Diamond Valley Ranch
  - Two dams and reservoirs
  - Ditch conveyance system
  - 3,000+ acres owned or managed

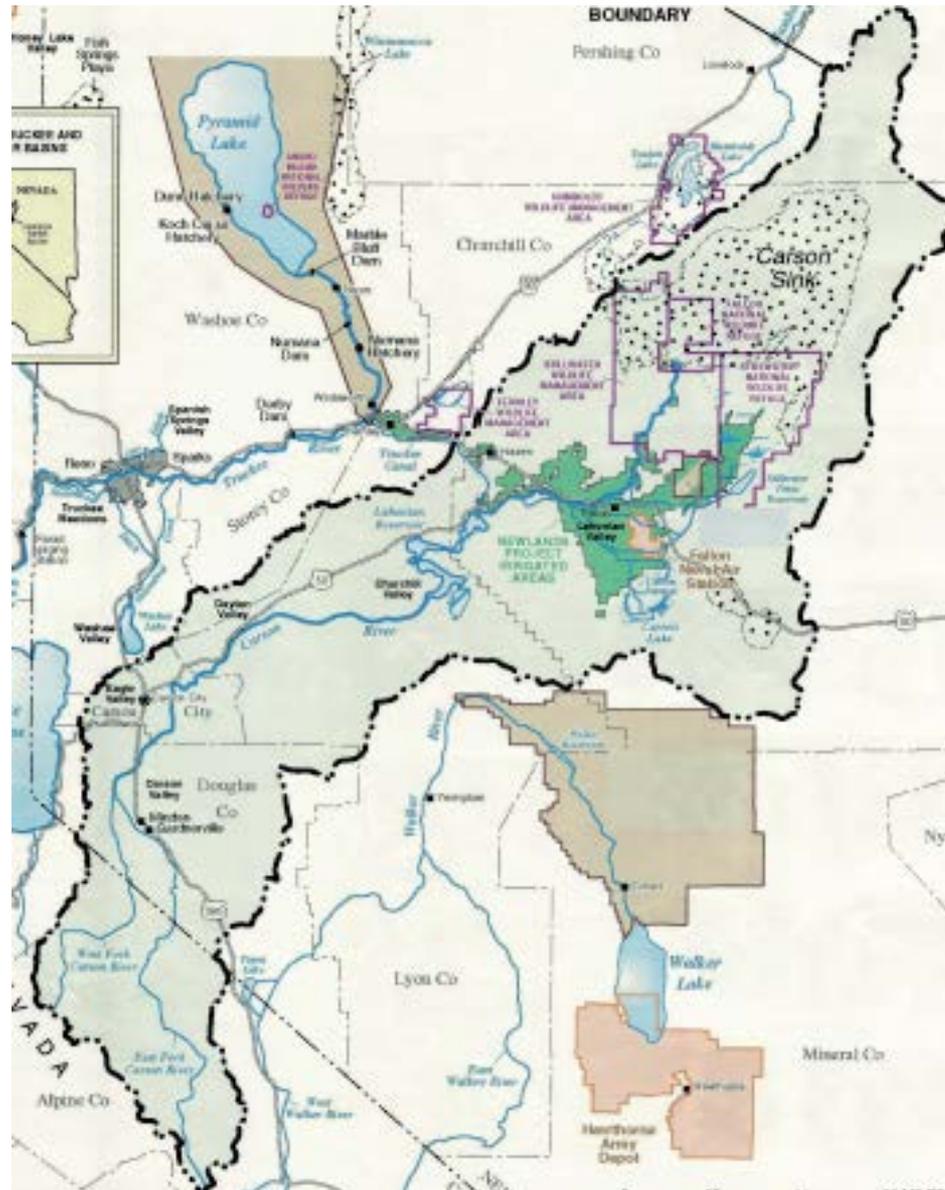
# Truckee River Basin



# Truckee River Operating Agreement

- Increases the operational flexibility and efficiency of reservoirs.
- Provides additional opportunities to store water in existing reservoirs for future M & I demands during periods of drought.
- Enhances spawning flows and fish habitat.
- Increase recreational opportunities.
- Improve water quality in the Truckee River

# Carson River Basin





# Alpine Decree

- Federal Court adjudication of water rights on the Carson River.
- The decree was initiated May 1, 1925 and entered 55 years later on October 28, 1980.
- Established the respective water rights both in California and Nevada to Carson River water.
- Established the rights to reservoir storage in the high alpine reservoirs.

# Water Entities

- California
  - STPUD, NTPUD, TCPUD, many small water companies
- Nevada
  - IVGID, RHGID, KGID, Douglas County, many small water companies
- Combination of groundwater and surface water

# California Potable Water



- Annual Production
  - STPUD 2.5 Billion gal
  - TCPUD 600 million gal
  - NTPUD 540 Million gal

# Porter Cologne

- All wastewater effluent must be transported outside the Tahoe Basin.
- 3 treated effluent pipelines out of basin.
- 1 raw wastewater pipe out of basin.
- No ability to use recycled water in the Tahoe Basin (one STPUD exception for fire).



# Recycled Water

- STPUD Exports about 1.6 billion gallons per year
- Pumped 26 miles over Luther Pass at 600 psi
- Used for irrigation in the Carson River Basin



# Recycled Water

- TCPUD Pumps about 300 million gallons of raw wastewater to TTSA for treatment.
- NTPUD Pumps 315 million gallons of raw wastewater to TTSA for treatment.
- TTSA disposes treated effluent in the Truckee River Basin.

# Questions and Comments

