

WATER SUPPLY AND THE FUTURE OF WATER

An update on the current water supply conditions and major LVMWD initiatives for a more resilient water future.

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Overview

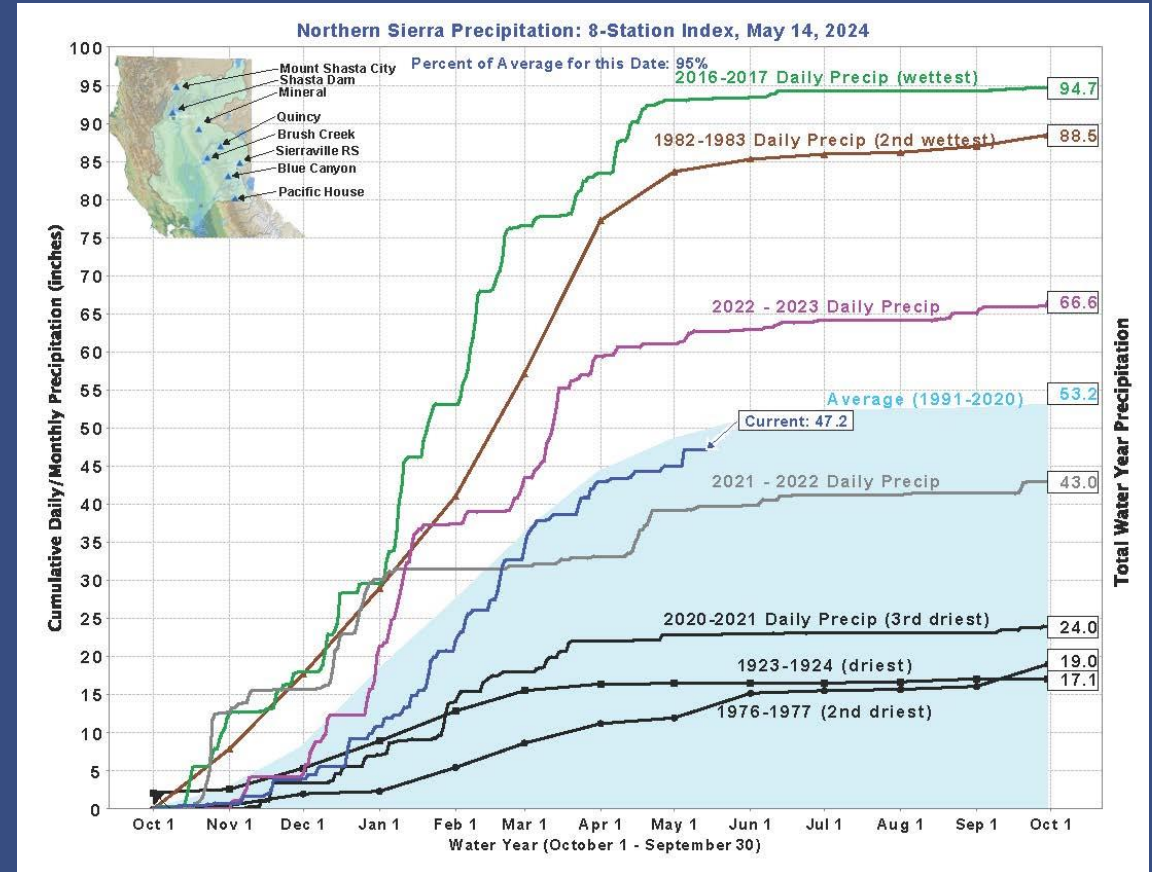
- Current Water Supply Conditions
- Conservation / Water Efficiency Achievements
 - Embracing “Conservation as a California Way of Life”
- Major Initiatives
 - Pipeline Condition Assessment Study
 - Water Supply Reliability and Diversification Study
 - Landscape Transformation Program
 - Pure Water Project Las Virgenes – Triunfo
 - Customer Service Initiatives
 - Legislative Advocacy
 - Rates
- Questions



Current Water Supply Conditions

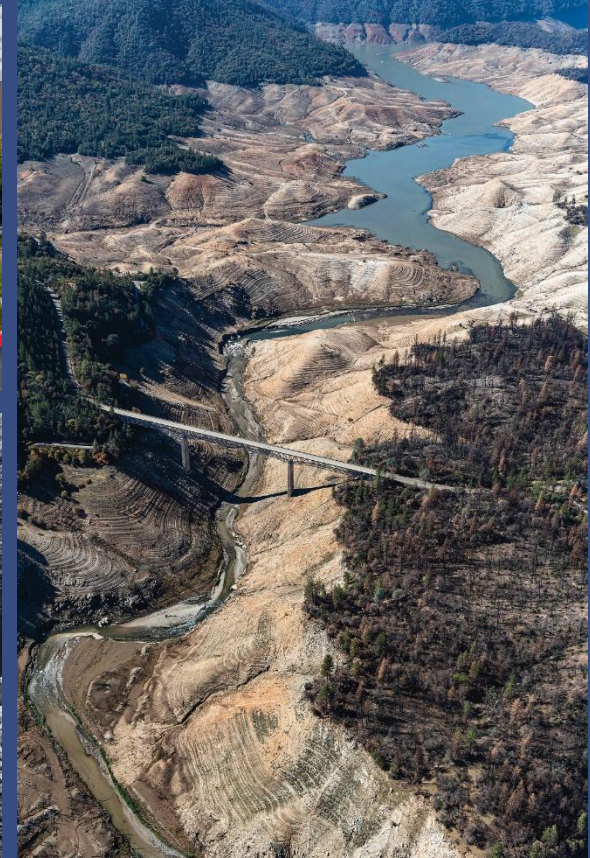
8 Station Index

- % of Average for May 14: 90%
- 47.2-inches of rain/snow
- State Water Project Allocation: 40%
 - Most reservoirs are full / no extraordinary conservation required
 - San Luis Reservoir only 65% due to Bay Delta pumping restrictions
 - Still need to be efficient with water use



Current and Future Water Stressors

- Climate Change Impacts
- Erratic Weather Patterns
- Aging Infrastructure
- Water Supply Diversification
- Emerging Constituents of Concern (Microplastics, PFAS)
- Limited Resource



Water Conservation – 2023 Achievements

- In 2023, customers reduced consumption by 30%
- **5,888 AFY** in reduced potable water consumption (2023 vs. 2020)
- Landscape Transformation Programs in 2023:
 - Sustainable Landscape Workshop Series – **9 workshops**
 - Turf Replacement Projects – **116 projects completed** landscaping
 - Native Garden Kits – 177 sold
 - Rain Barrels – 119 vouchers
 - Irrigation Efficiency Retrofit Program – **77 installations completed**
 - Rachio Smart Irrigation Controllers – 493 Installed



Landscape Transformation Programs

- Rachio Irrigation Controller Program
- LVMWD Irrigation Retrofit Program – funds expended
 - Currently wait listing participants
 - New Program to re-launch July 2024
- Future Programs (Grant funded) – Landscape Design Assistance and more...
- MWD Turf Transformation Rebate - **\$3/sq. ft.**
 - receive a **\$100 rebate per tree** for up to five trees planted
- - For Landscape Transformation Resources:
LVMWD.com/Conservation



Potable Water Pipeline Condition Assessment, Rehabilitation and Replacement Study

- May 2024 – January 2025
- Assess the likelihood of failure of 400 miles of pipes based on:
 - Age
 - Type of Material
 - Leak History, etc.
- Address aging infrastructure proactively versus reactive
- Prioritize rehabilitations and replacements
- Significant capital investment: \$2.8+ million per year minimum
- Will coordinate timing to avoid trenching through new pavement

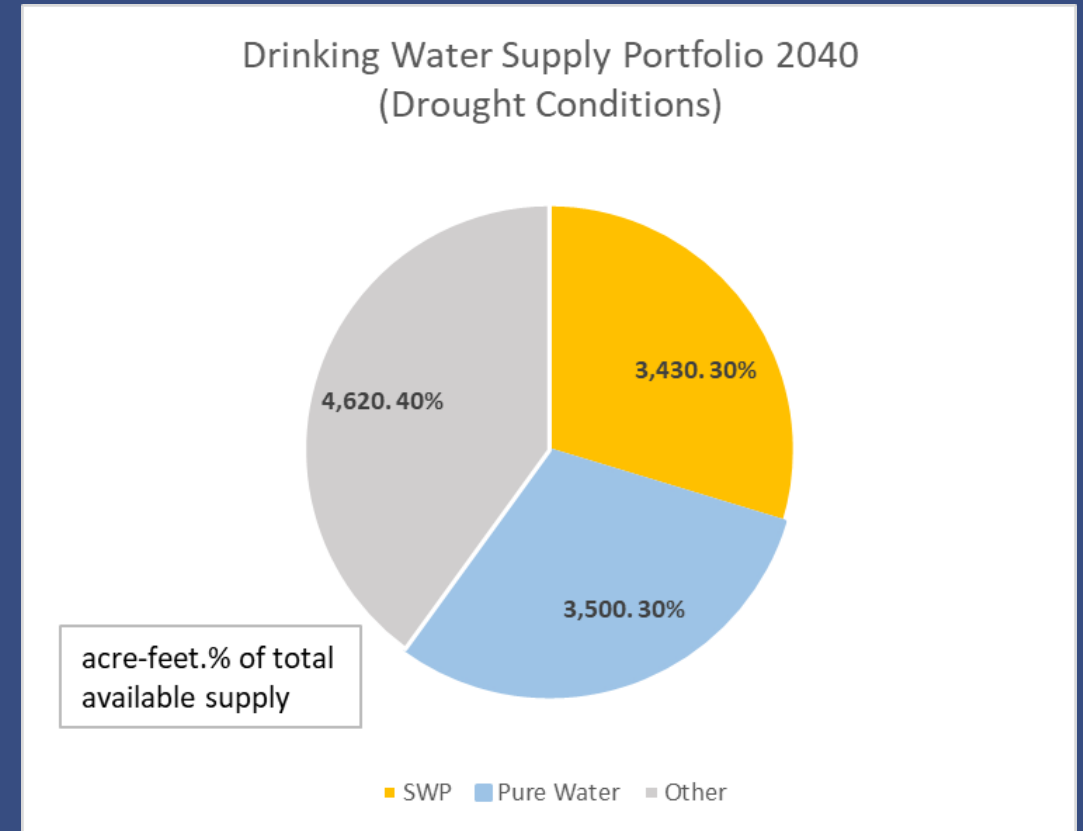


Main break in older 24-inch diameter steel pipe at Agoura and Lindero Canyon Road in Westlake Village in August of 2023. Design efforts are currently underway to replace this stretch of pipe in Westlake Village.



Water Supply Reliability and Diversification Study

- July 2024 – June 2025
- Study other potential water sources to improve resiliency
 - Desal (e.g. OceanWell)
 - Groundwater Banking
 - Exchange Agreements
- Determine optimal mix (portfolio) of water supplies for “Normal” and “Drought” conditions
- Associated costs of alternative supplies and rate/bill impacts

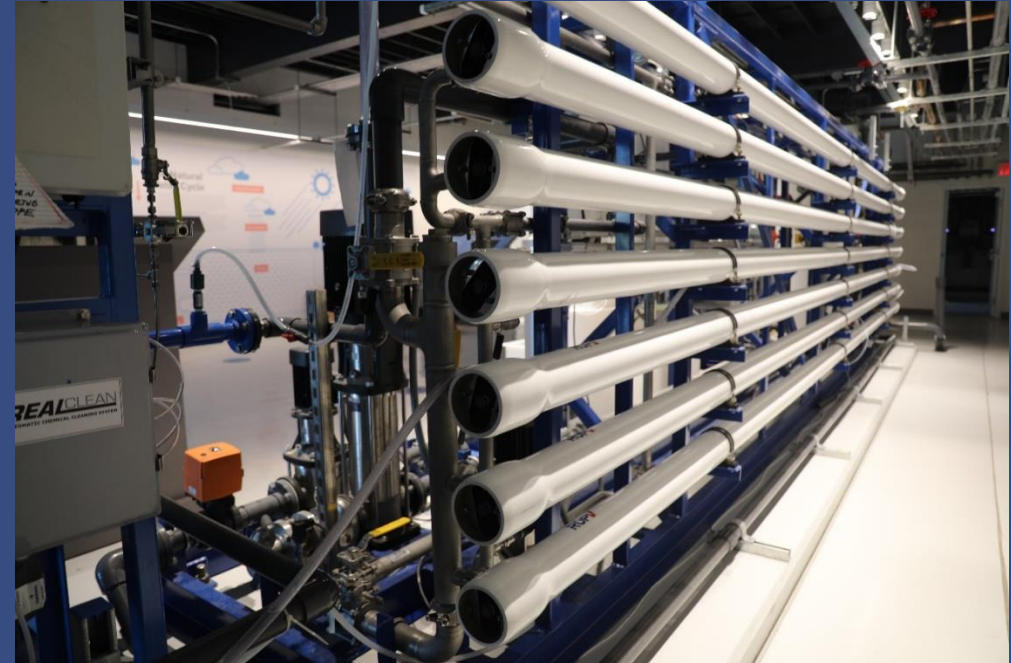


Example – Water Supply Portfolio



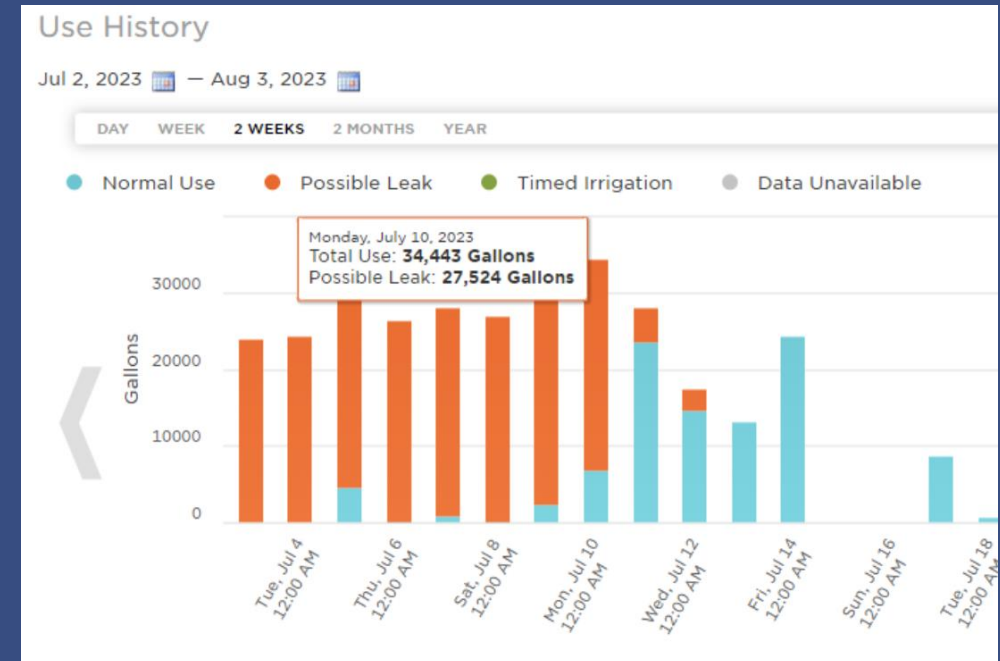
Pure Water Project Las Virgenes - Triunfo

- Awarded contract to Design-Builder Walsh, Brown and Caldwell, and Carollo Engineers
- Project is currently at 10% design level
- Environmental Impact Report has been adopted by the Las Virgenes – Triunfo JPA
- Final design efforts underway
- Construction scheduled to commence late 2025
- Will coordinate closely with the City for pipeline work in the street and other potential impacts
- Project completion scheduled for 2028



Customer Service Initiatives

- Verifying customer service water line materials
 - State mandate on all water systems in response to Flint, Michigan incident
 - Lead levels in LVMWD water meet safety standards
- Replacing ~71 large meters with Smart Meters
 - 21,000 small meters already installed
- Using Smart Meter data to detect and fix large leaks



Example of a leak detection: 27,000 gallons per day (1,150 gallons per hour). Leak was underground and not showing any evidence on the property.



Legislative Advocacy

- Routinely meet with Members of Congress and our State Senators/Assemblymembers
- Seeking State and Federal Funding Assistance
 - Striving to keep water and wastewater rates low
- Supporting projects and programs for water resiliency
 - Water recycling (Pure Water Project)
 - Innovative projects (Desal via OceanWell)
 - Delta Conveyance
 - Better connectivity with Metropolitan supplies



Meeting with U.S. Senator Laphonza Butler and JPA Board/staff in D.C.



Legislative Advocacy



State Senator Ben Allen Touring the Pure Water Demonstration Facility.



Meeting with Congresswoman Julia Brownley And JPA Board/staff in D.C. discussing Priorities.



Meeting with Assemblymember Jacqui Irwin And LVMWD Board members and Staff in Sacramento discussing State Funding for Pure Water.



Water and Wastewater Rates

- Metropolitan Water District of So. Cal is increasing rates
 - 11% in 2025 and 10% in 2026
 - Plus double Ad Valorem Property Tax (+\$3 per month for median value home)
- Increases Due to:
 - Inflation
 - Lower water sales
 - Replacing or rehabilitating aging infrastructure
 - Projects to increase resiliency
 - Increasingly stringent regulations (e.g. monitoring for PFAS)
- Increases will be passed on to LVMWD customers
 - “Pass through” in 2025
 - Incorporated into rates in 2026
- LVMWD Rate Study
 - Commencing Summer of 2024
 - Year-long effort
 - Proposition 218 compliant (public process)
 - New rates in place January 2026
- New rates to cover cost of service
 - Similar factors (inflation, resiliency, regulations, etc)



Rates are going up BUT...LVMWD is doing everything it can to keep them competitive through innovation/technology, operational efficiencies, applying for grants and low-interest loans to pay for infrastructure, and advocating in opposition of increasingly stringent legislation and regulations.



Questions?

- Thank you!

