



Santa Clarita Valley Water Agency

Overview of Current and Planned Recycled Water Program

Presentation Outline



Recycled
Water Planning

SCV Water Background

- Service Overview, Supply Portfolio, Role of Recycled Water

History of Recycled Water Planning & Permitting

- Planning, Legal Challenges, Permitting, Historical Wastewater Flows, New Drop Overview

Current Projects for Near Term Recycled Water Use

- Near Term Expansion of RW Use, Purple Prep Program

Recycled Water Use Costs and Schedule Overview

Next Steps



Water Service - Overview

Formerly 4 Separate Water Providers:

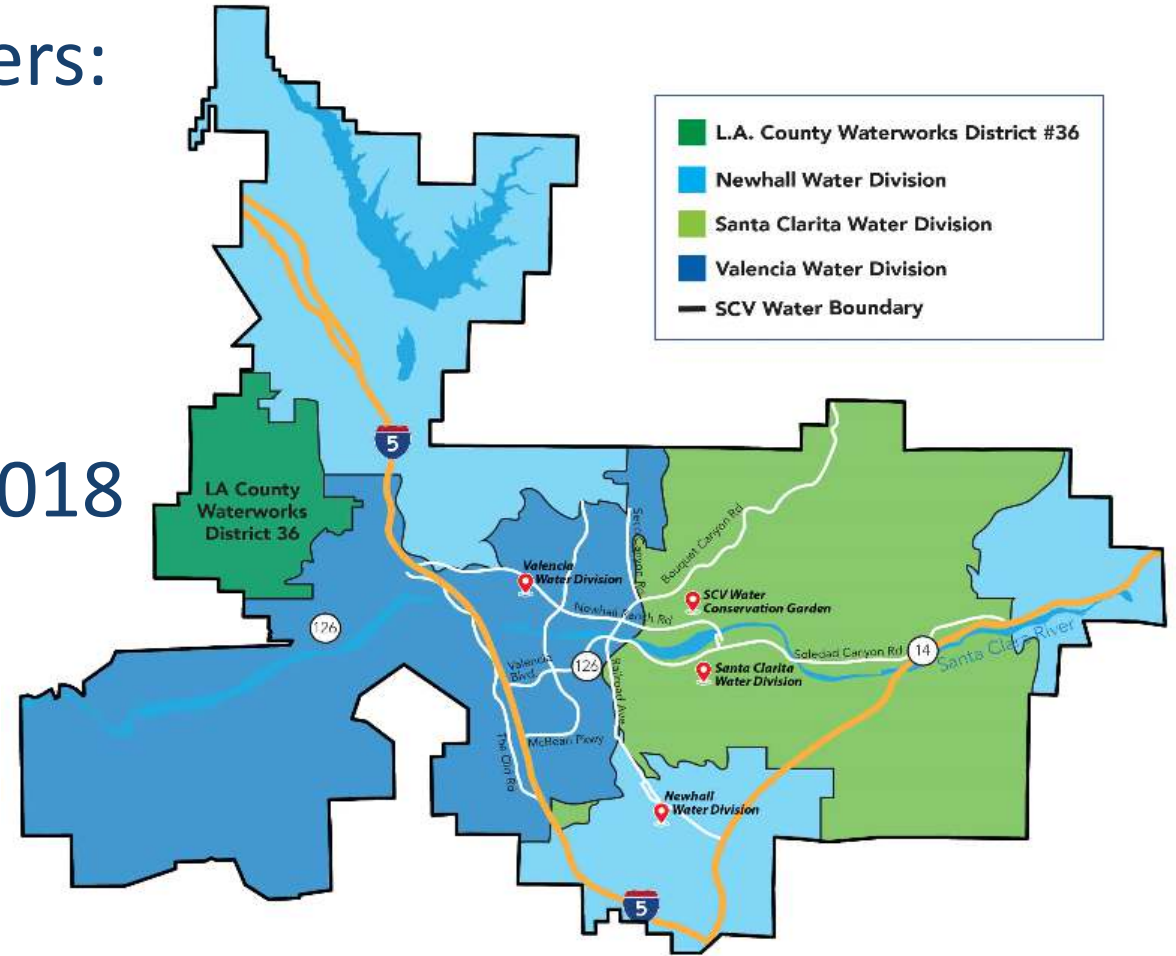
- Castaic Lake Water Agency (wholesaler)
- Valencia Water Company
- Newhall County Water District
- Santa Clarita Water Division

Formation of SCV Water January 2018

- Service Population: 273,000

LA County Waterworks District 36

- Receives wholesale water from SCV Water



WHERE DOES OUR WATER COME FROM?

SANTA CLARITA VALLEY WATER SUPPLY PORTFOLIO



IMPORTED WATER (STATE WATER PROJECT)

About half of our water comes from the Sierra Nevada range. It flows off the mountains then through the delicate Sacramento-San Joaquin Delta before reaching the Santa Clarita Valley via the State Water Project aqueduct.

GROUNDWATER

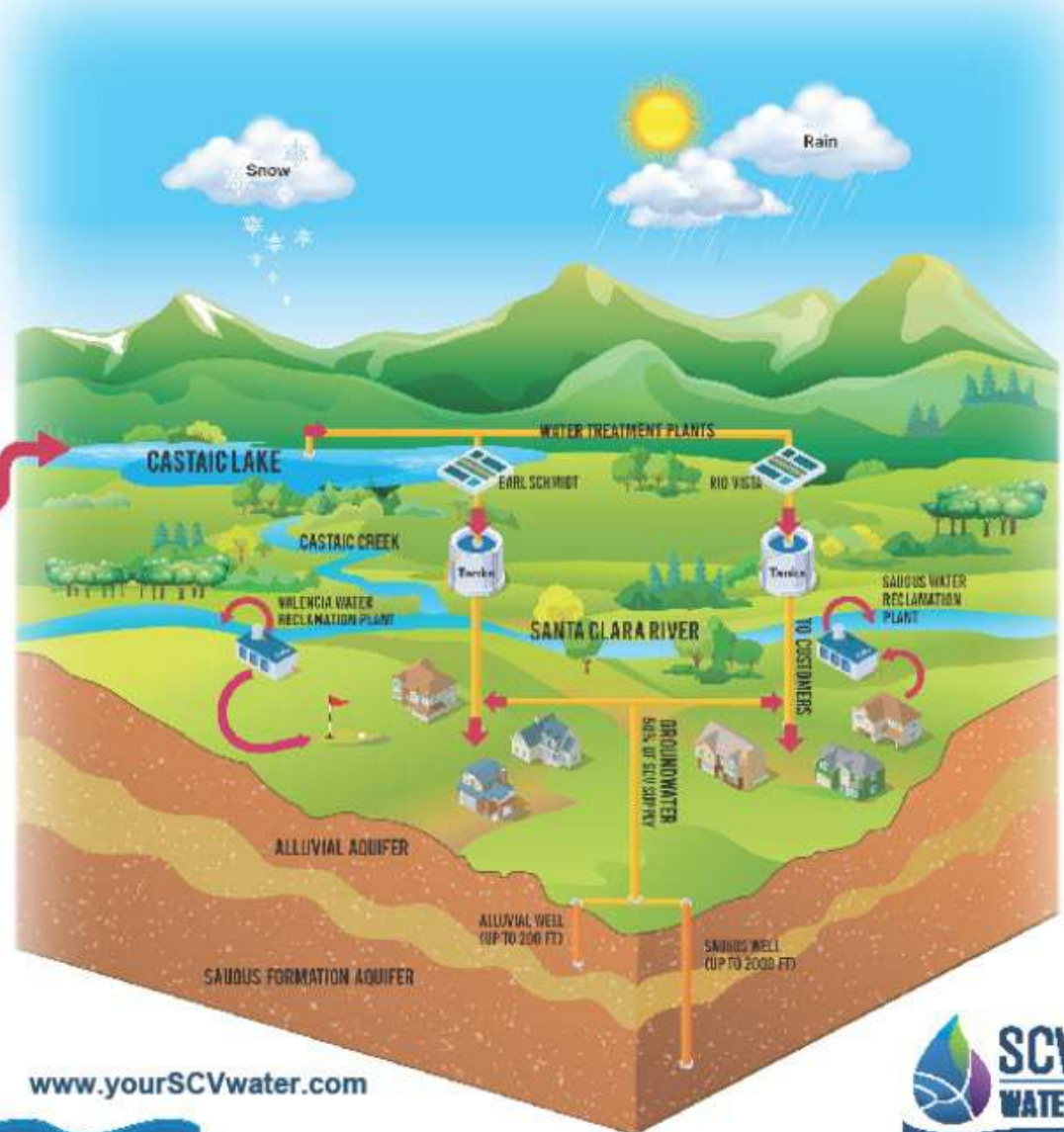
Groundwater is local, sustainable and cost-effective. It represents about half of our supply in an average year. A series of wells pump the groundwater into our system.

RECYCLED WATER

SCV Water has the opportunity to significantly expand its recycled water production in the coming years. The long-term goal is to serve more than 10,000 acre-feet of recycled water – roughly 45 times what is served today.

WATER BANKING

SCV Water stores ("banks") about 141,000 acre-feet of water in Kern County. We can call for this water in times of need.

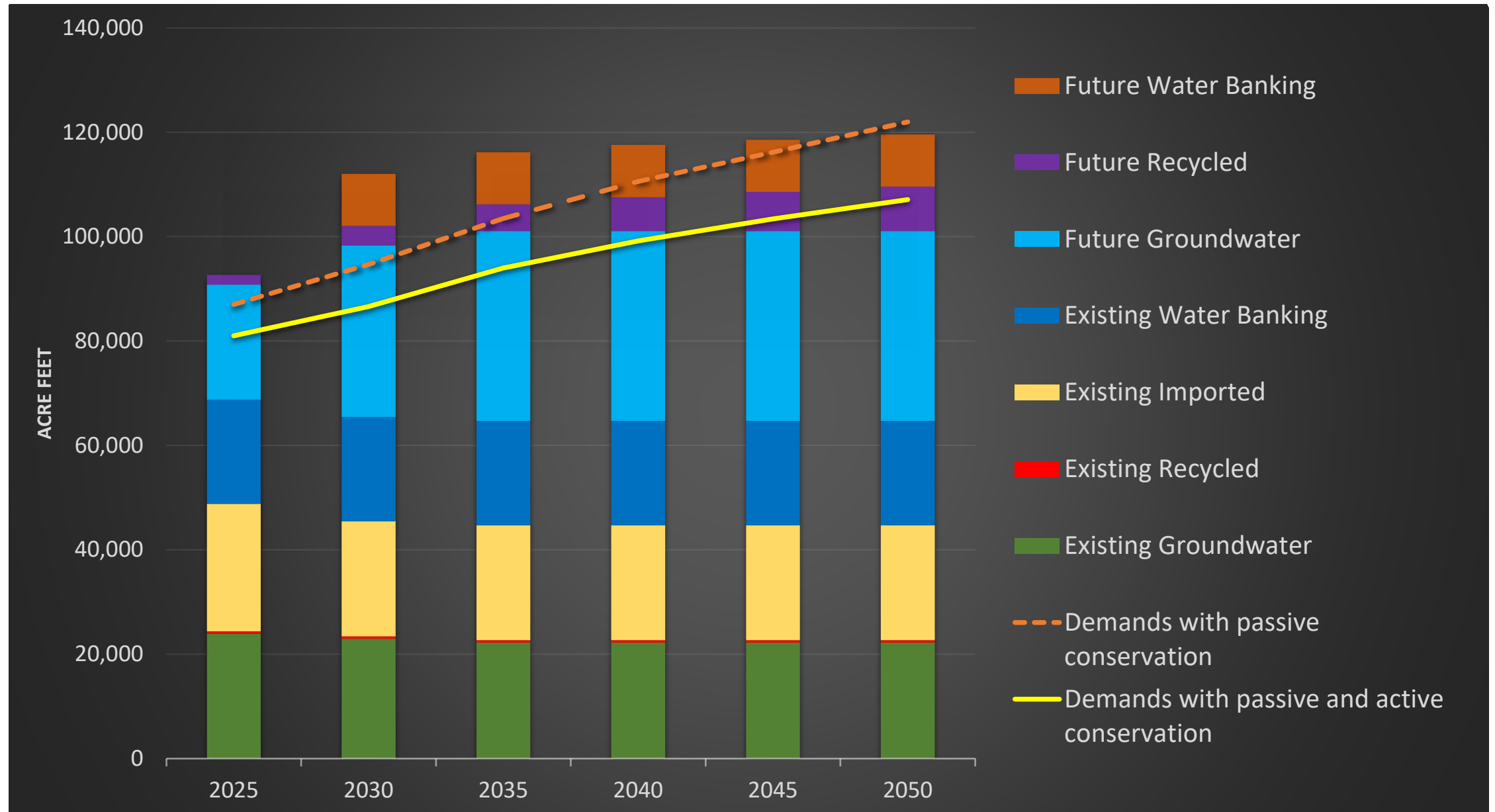


www.yourSCVwater.com



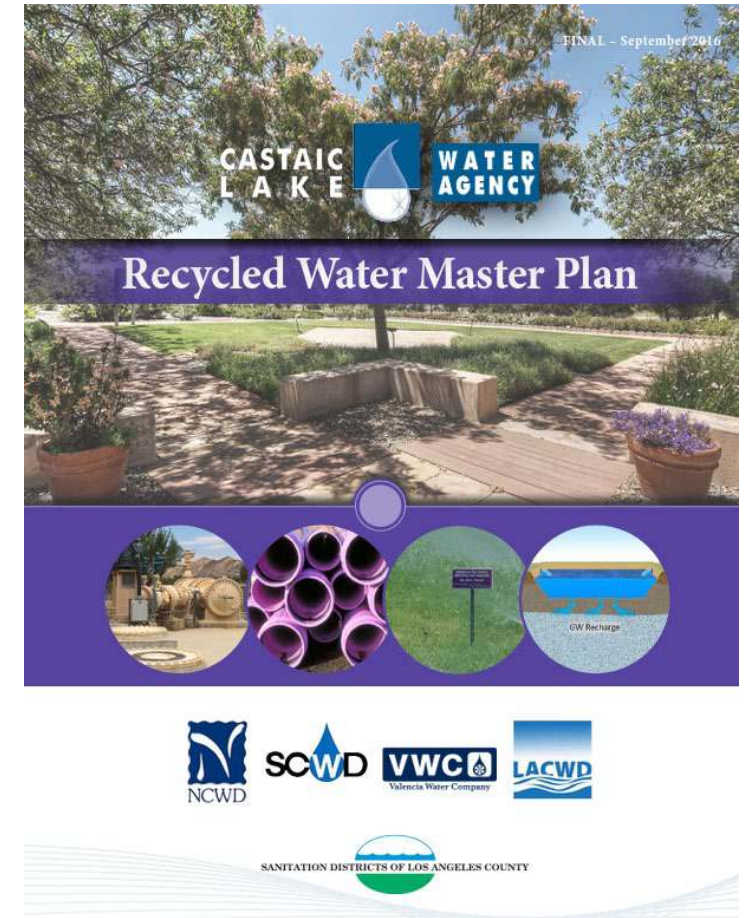
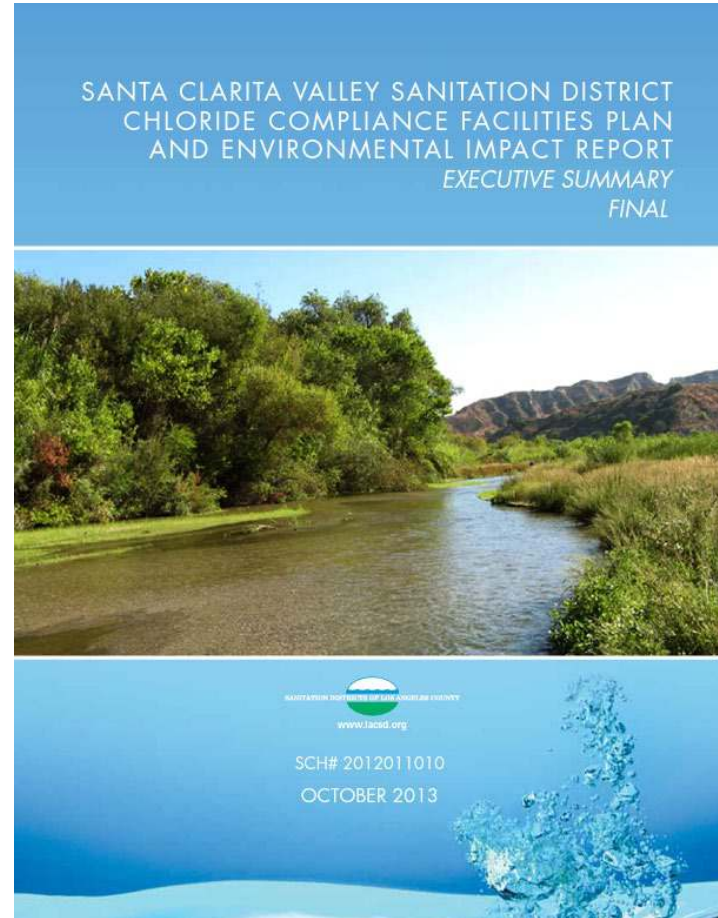
Role Recycled Water Plays in Water Resources

**Single-Dry Year Projected Water Supply*



Planning History and Legal Challenges

- Recycled Water Master Plans
- Urban Water Management Plans
- Legal Challenge to LACSD Chloride Removal Project



Regulatory Considerations

- State Board - 1211 Permit
- Regional Board– Engineering Report
- Division of Drinking Water – Engineering Report
- Los Angeles County Department of Public Health – Inspections
- Rules and Regulations
- End User Agreements



Recycled
Water Planning

It Takes a Village

SCV Water Staff

- Water Resources
- Engineering
- Operations
- Finance
- Administration

New Staffing

- Board Authorized Recycled Water Coordinator Position

Consultants

Stakeholders

- Customers
- Regulators
- Developers
- Non-Government Organizations



Recycled
Water Planning



Recycled Water Service - Agreements

Santa Clarita Valley Sanitation District

- Terms for purchase of recycled water

Vista Canyon Facility Capacity Fee Agreement

- Fee credit for installing recycled water infrastructure

Vista Canyon Agreement for Purchase and Sale of Recycled Water*

- Interim purchase agreement

City of Santa Clarita Vista Canyon*

- Terms for purchase of recycled water

** Currently Negotiating Terms*



Recycled Water Service - Permits

Valencia Water Reclamation Plant

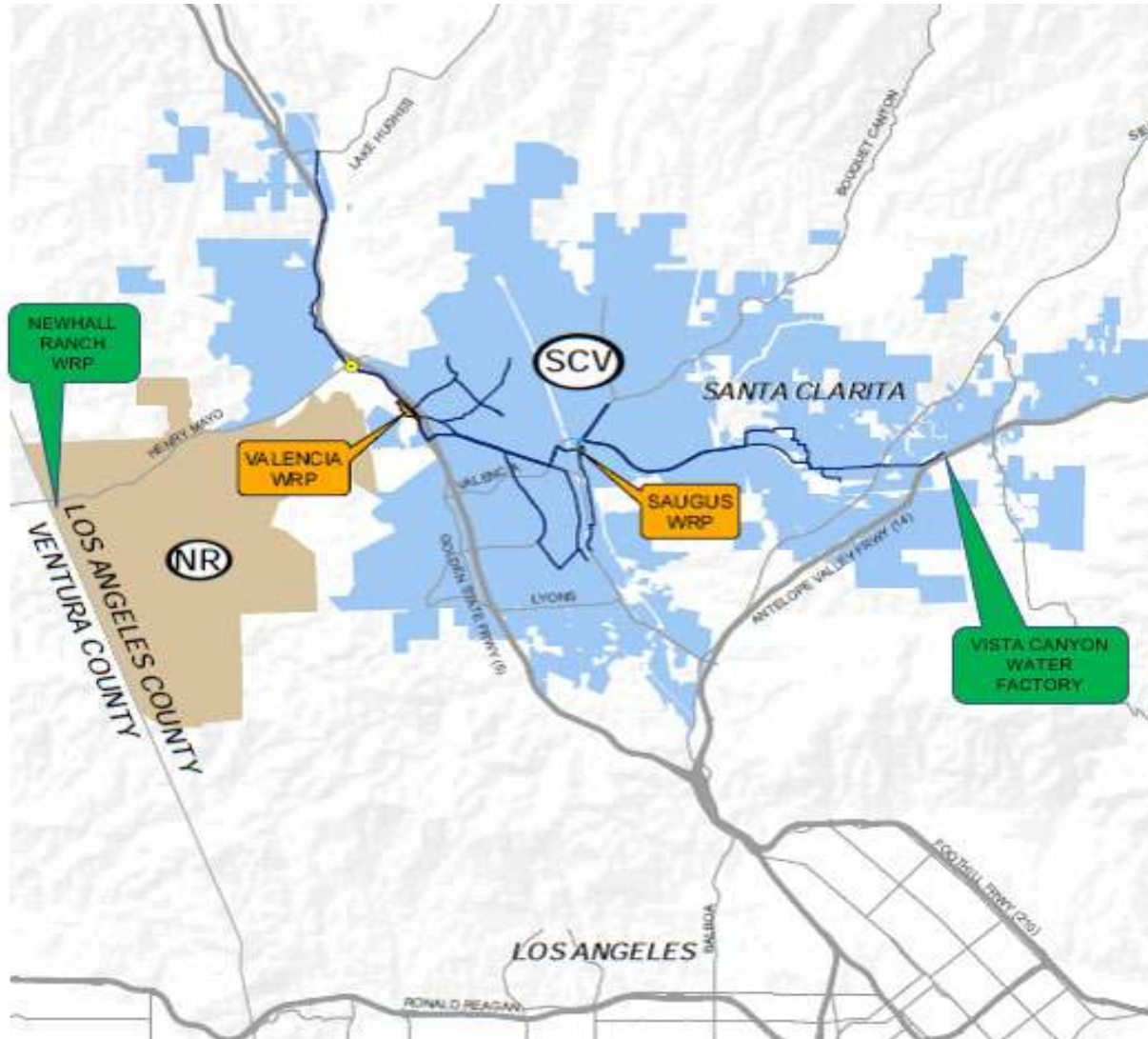
- SCVSD Order No. 97-072 (for up to 1,600 AFY of Reuse per existing 1211 change petition No. WW-11)
- SCVWA Order No. WQ 2016-0068-DDW, CI 10081 (for renewal of construction water permit utilizing New Drop)
- Application is processing to expand general use permit (Phase 2D, Mission Village)

Vista Canyon Plant

- City of Santa Clarita Order No. R4-2020-0049, CI-10041
- Application in final stages to expand general use permit (Phase 2B, Vista Canyon)



Wastewater Treatment in SCV

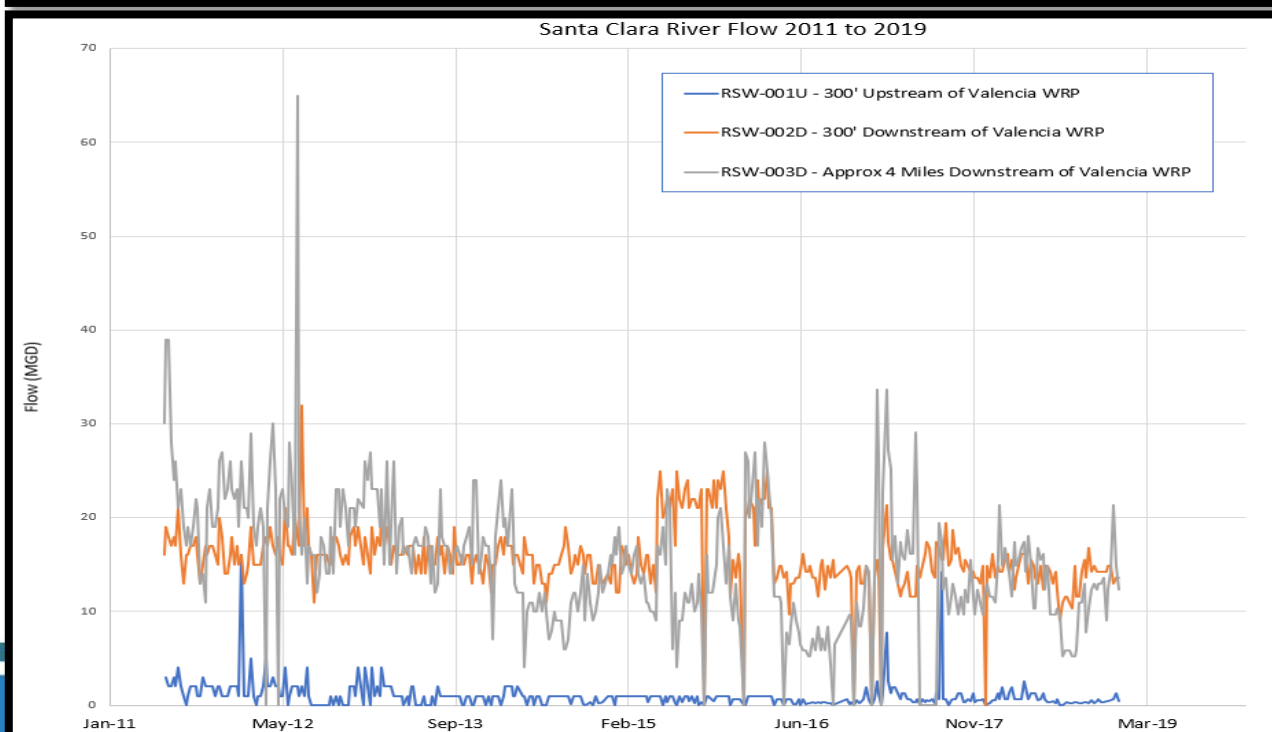
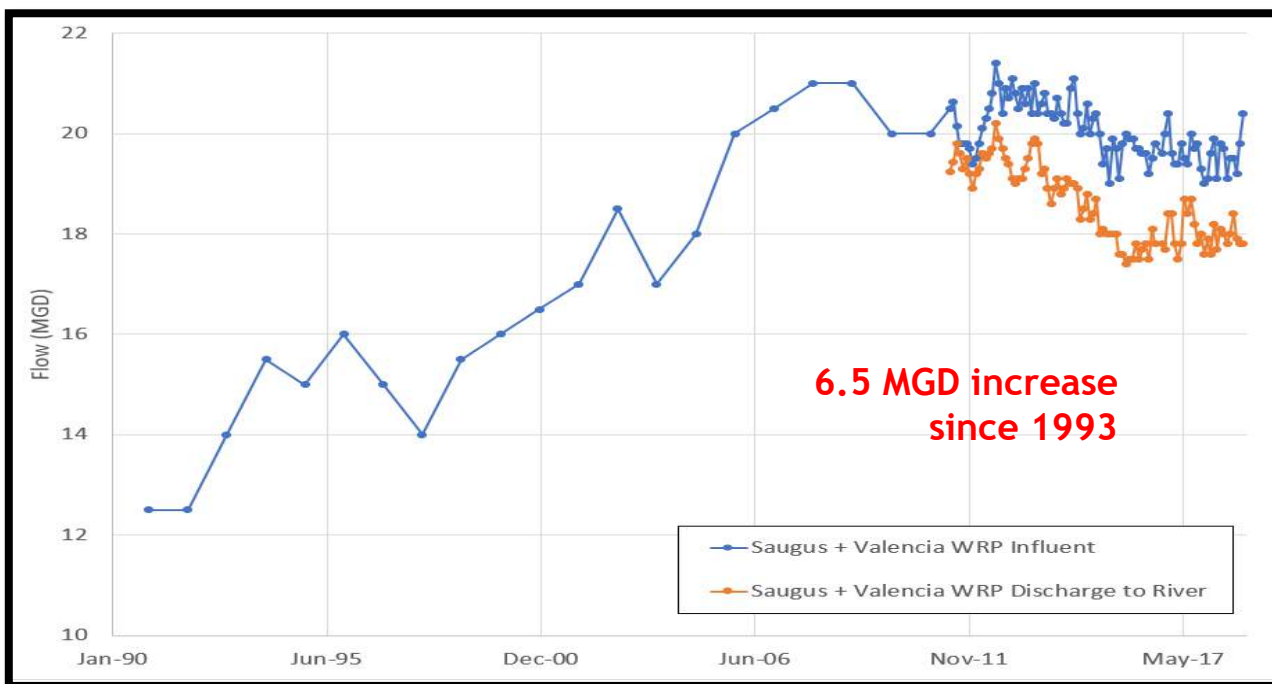


- Los Angeles County Sanitation District (Santa Clarita Valley Sanitation District)
 - Owns and operates the Valencia and Saugus WRPs which discharge to the Santa Clara River
- City of Santa Clarita: Vista Canyon WF operational in 2021 to serve new development



Historical Wastewater Flows in SCV

- Since 1993 wastewater change petition, flow has increased approximately 6.5 mgd (7,280 AFY)
- Legal Challenge halted LACSD advancement of studies to determine the minimum flow of discharge to Santa Clara river
- SCV Water is now pursuing a California Environmental Flow Framework Study to work on the minimum flow determination



New Drop Principle

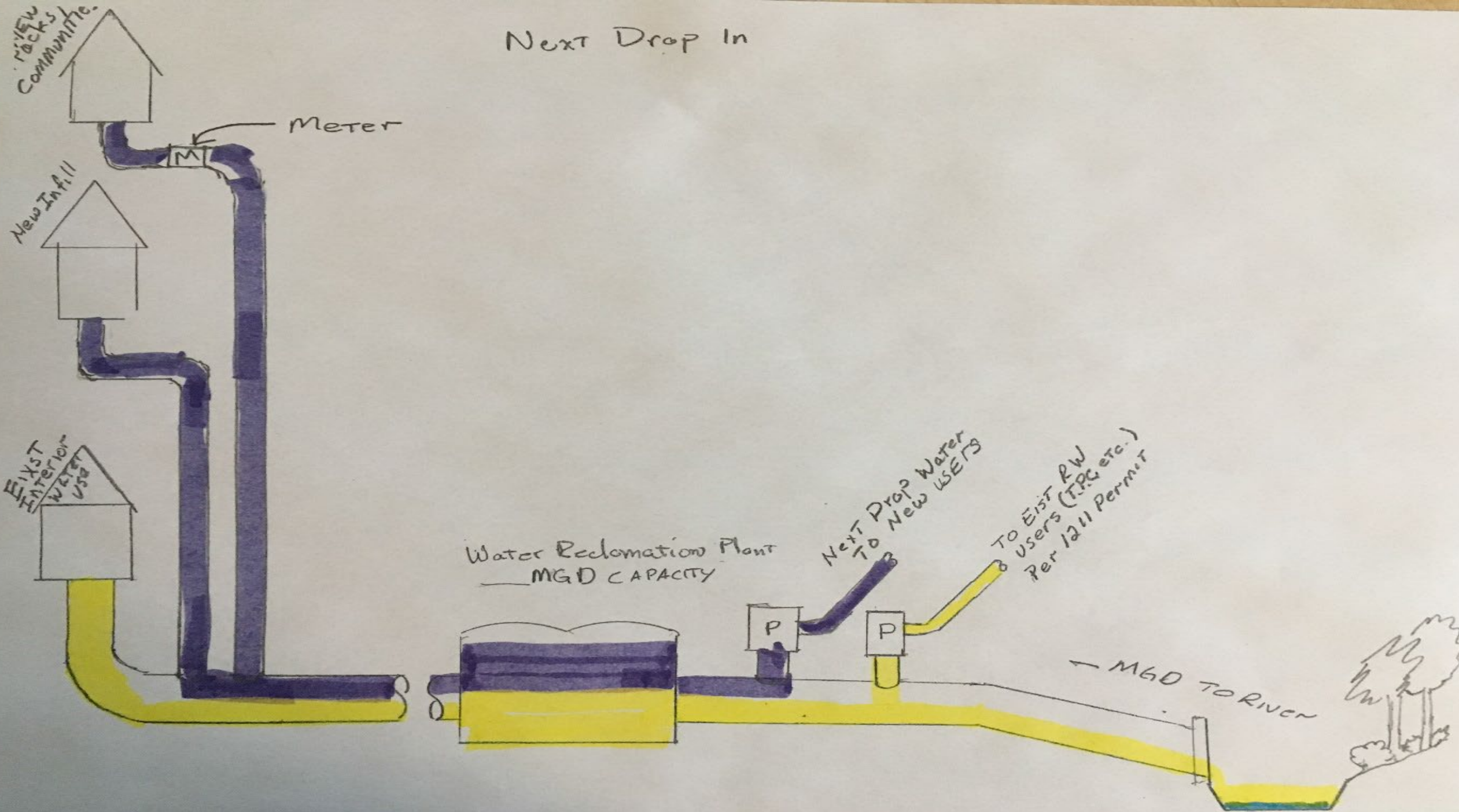
- SWRCB 1211 Permit Requirement applies to existing wastewater discharges to the river
- New Drop Technical Memorandum (June 2019)
- Wastewater flows from new construction are calculated based off SCVSD usage factors used to determine sewage rates based on account type
- New Drop Principle approved for use under SCVWA's Monitoring and Reporting Program for WQ 2016-0068-DDW (CI-10081)

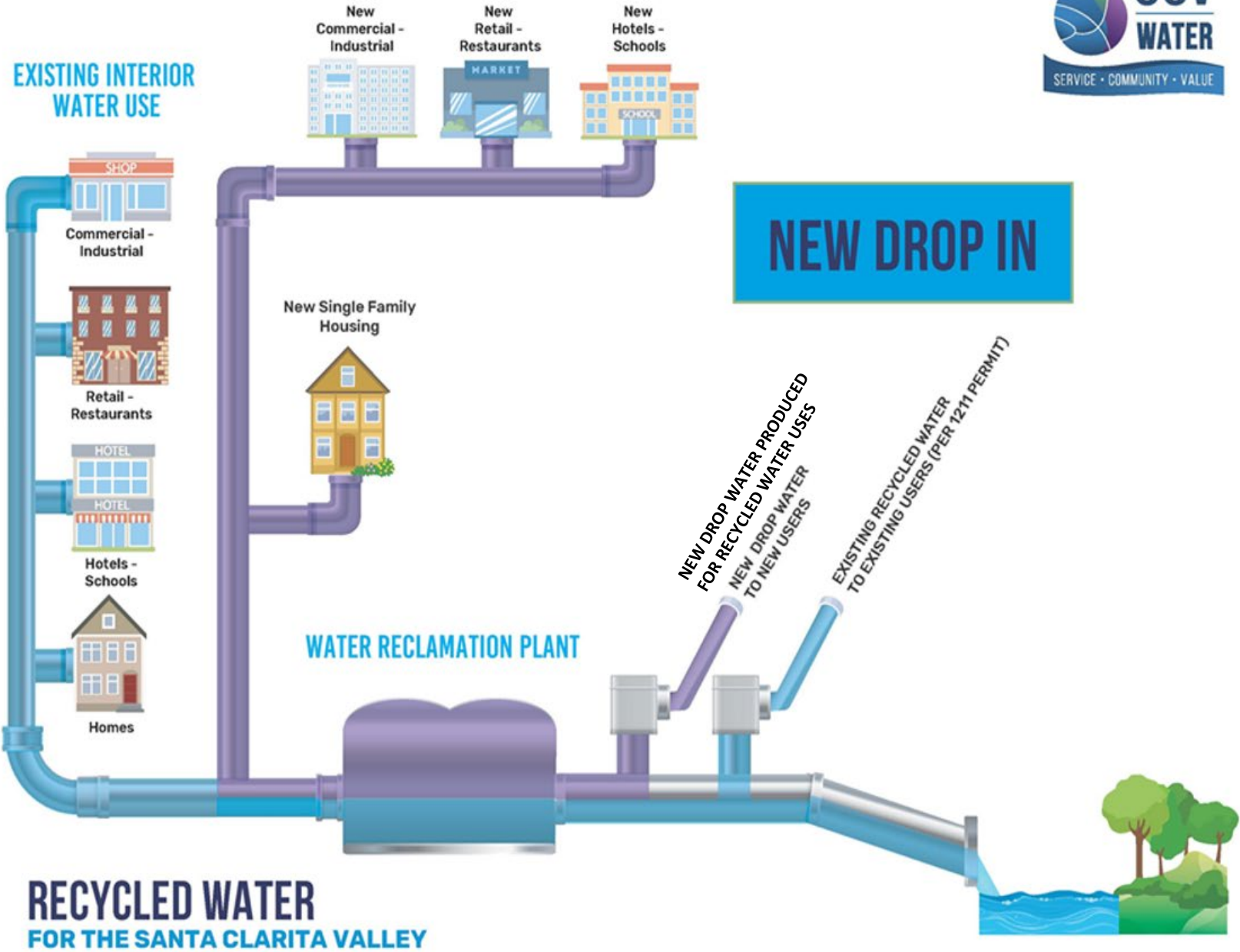


Recycled
Water Planning

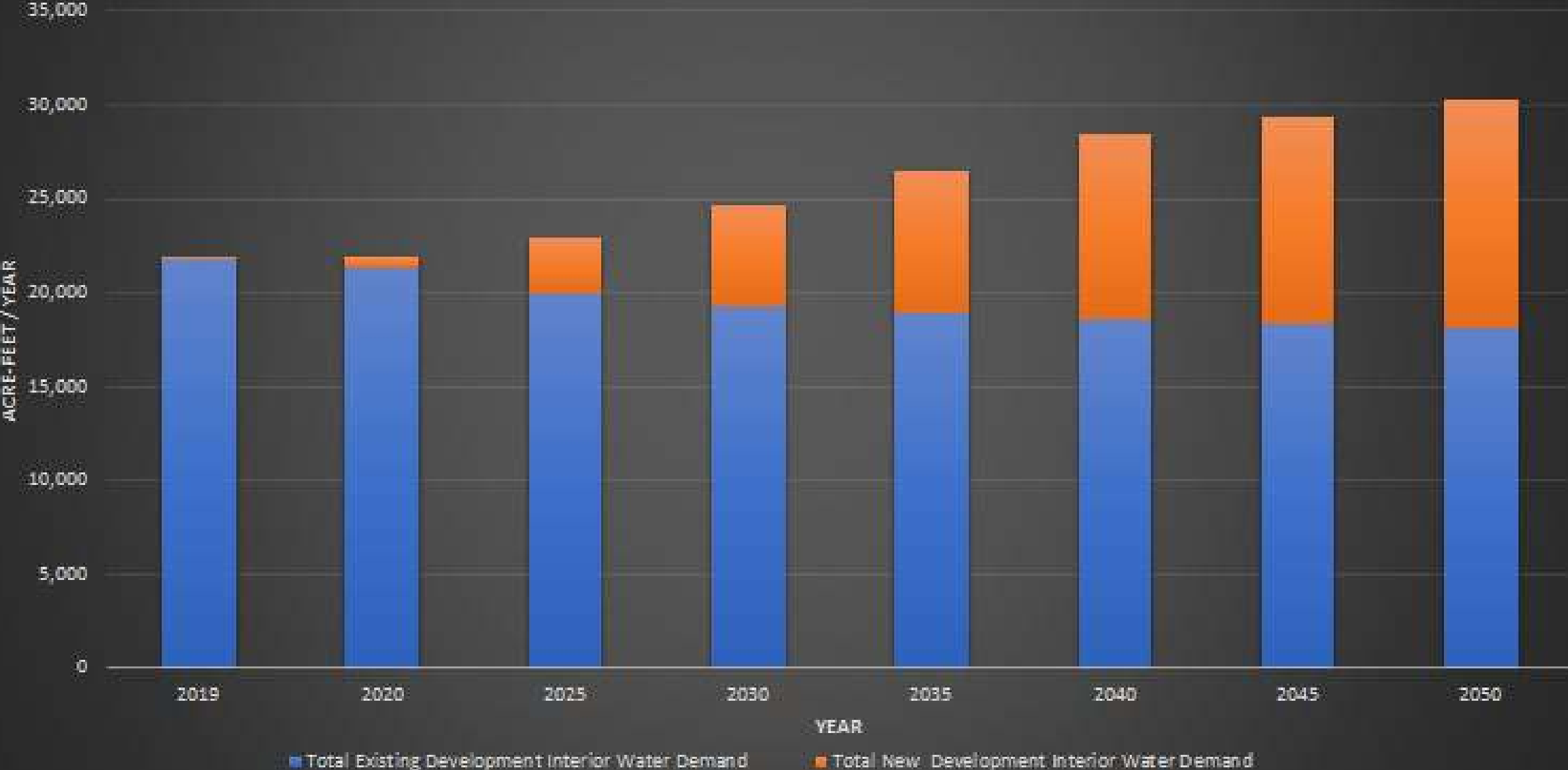


Next Drop In

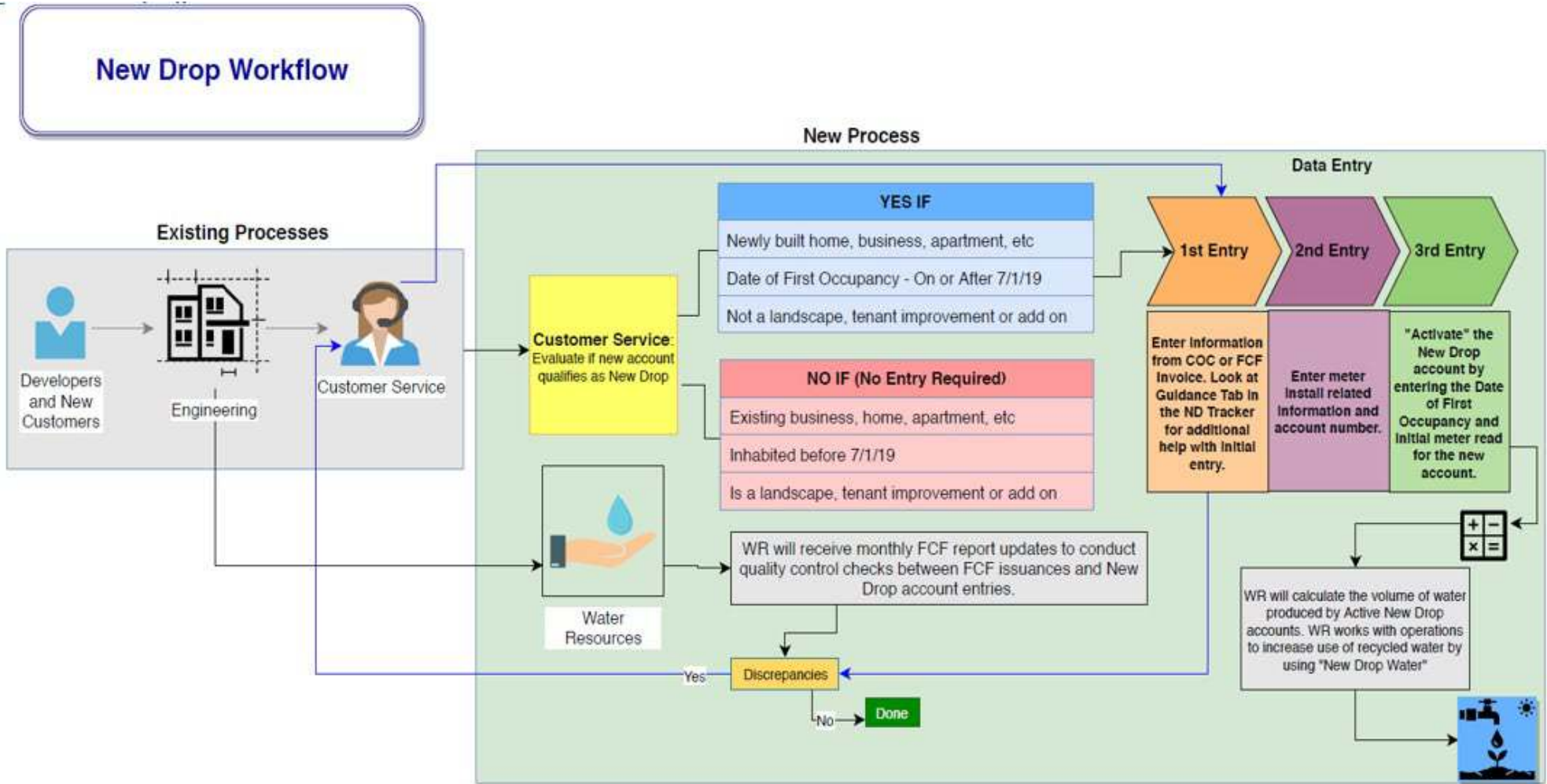




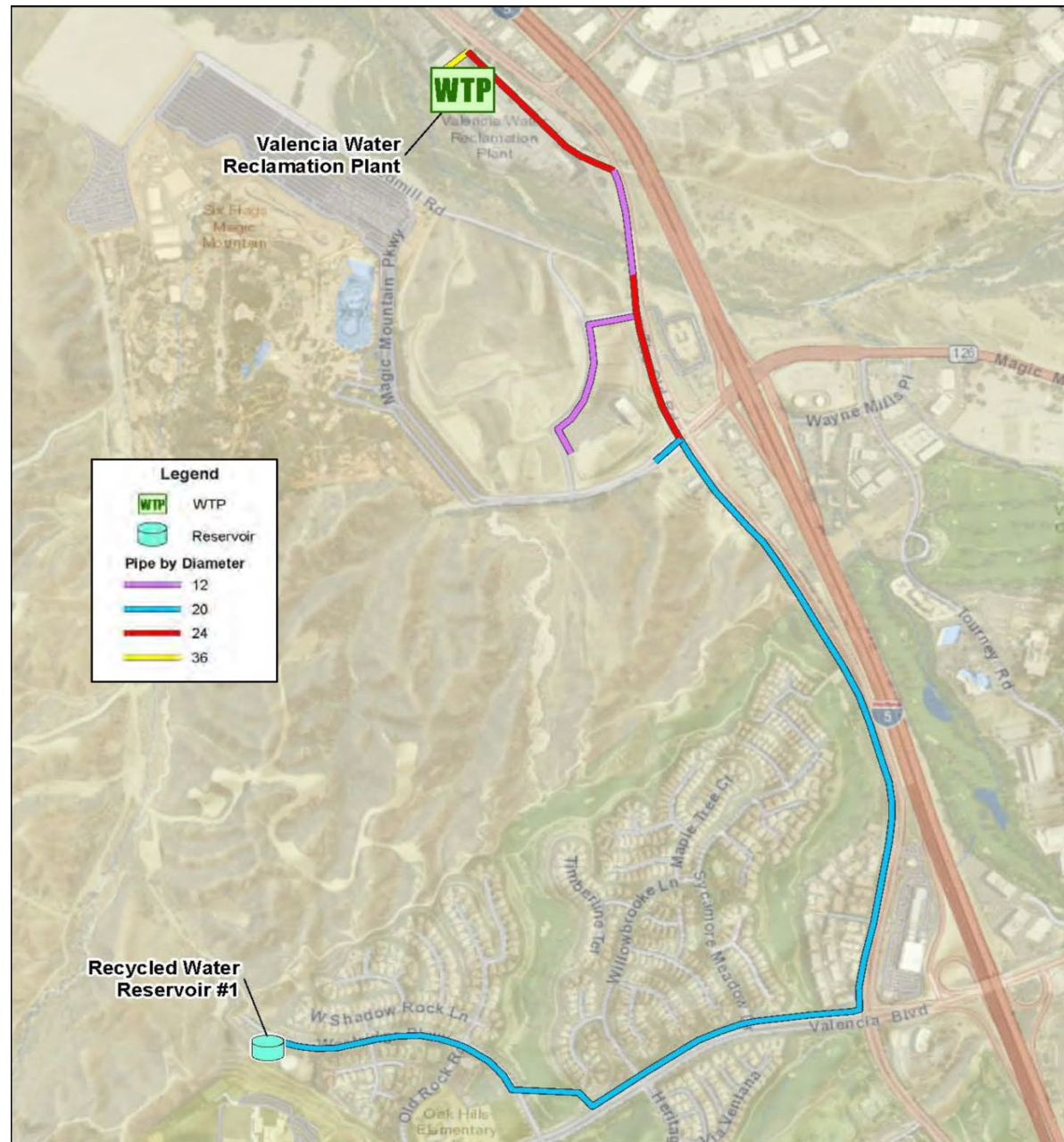
Interior Water Demands with Plumbing Code (Passive) Savings & Current SCVWA Interior Conservation Program Active Savings



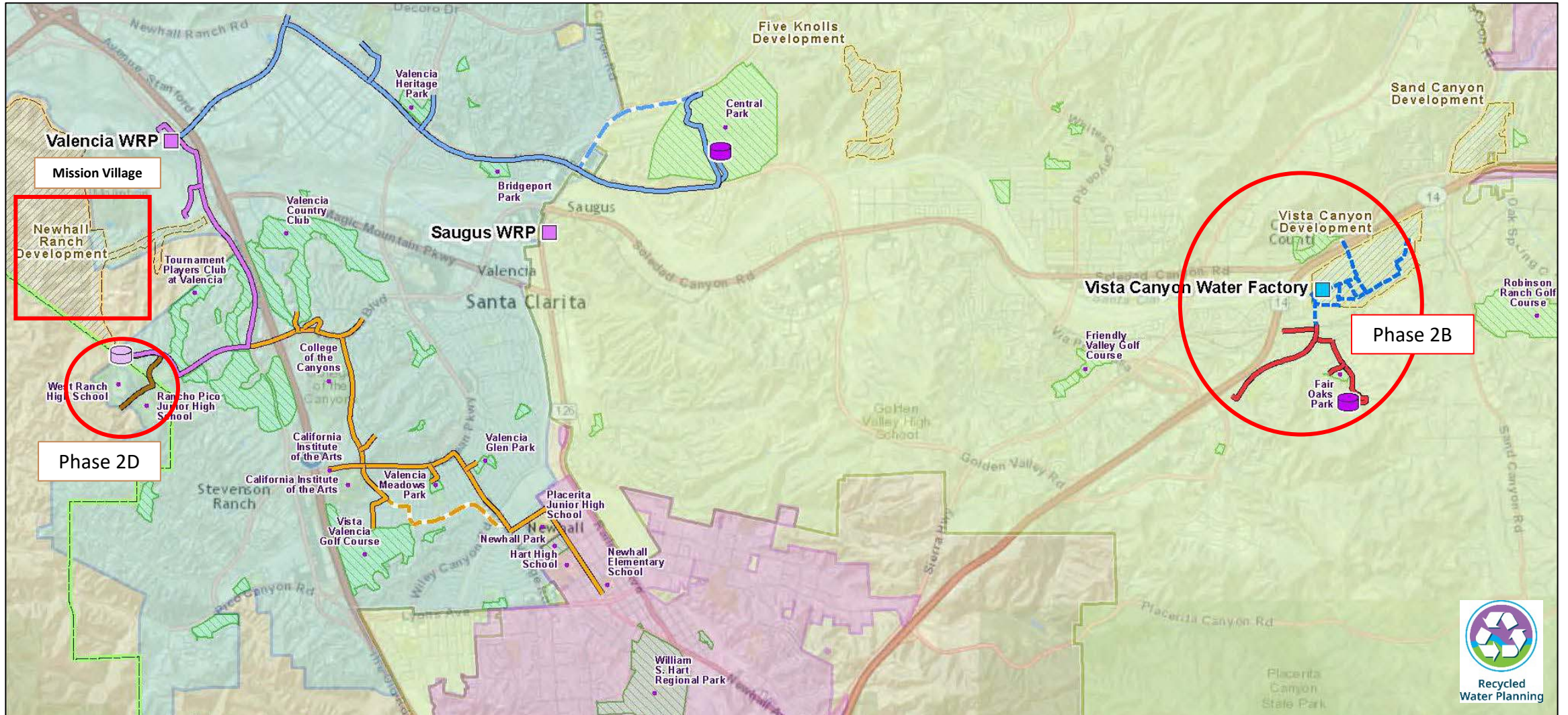
Internal Tracking and Coordination



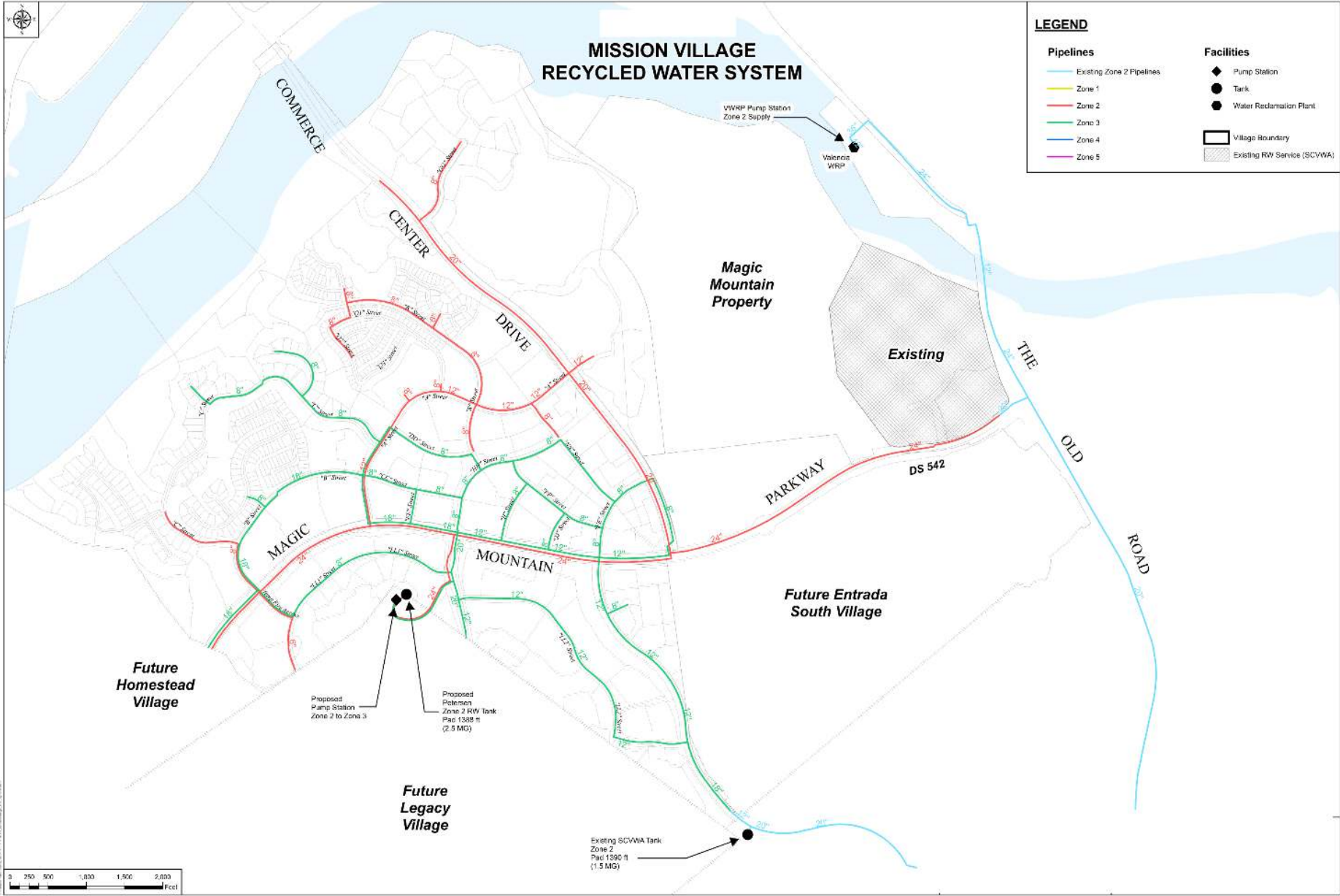
Recycled Water Existing Service Phase 1



Near Term Expansion of Service



Developer Funded Mission Village



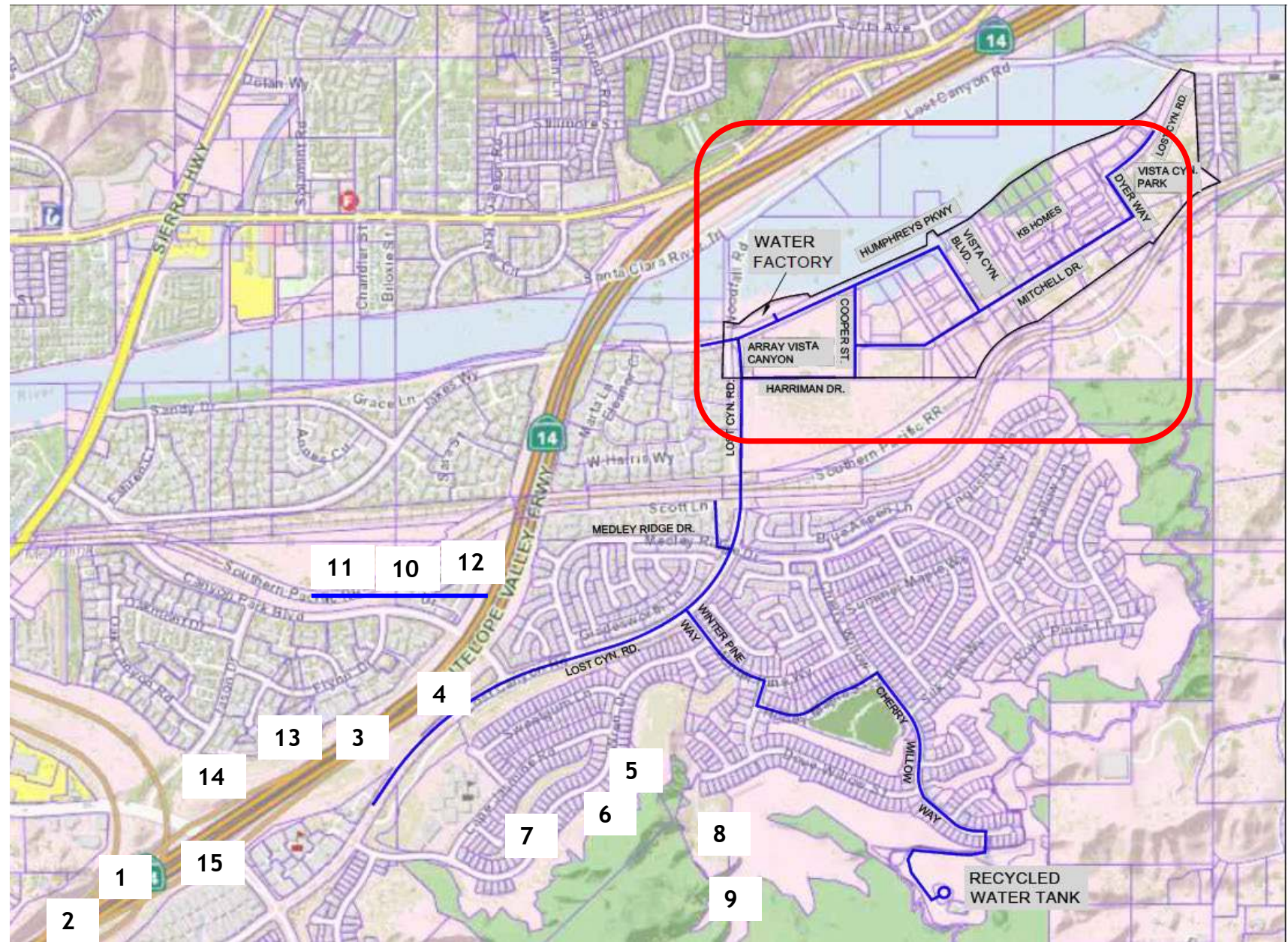
Phase 2D

Customer Conversions



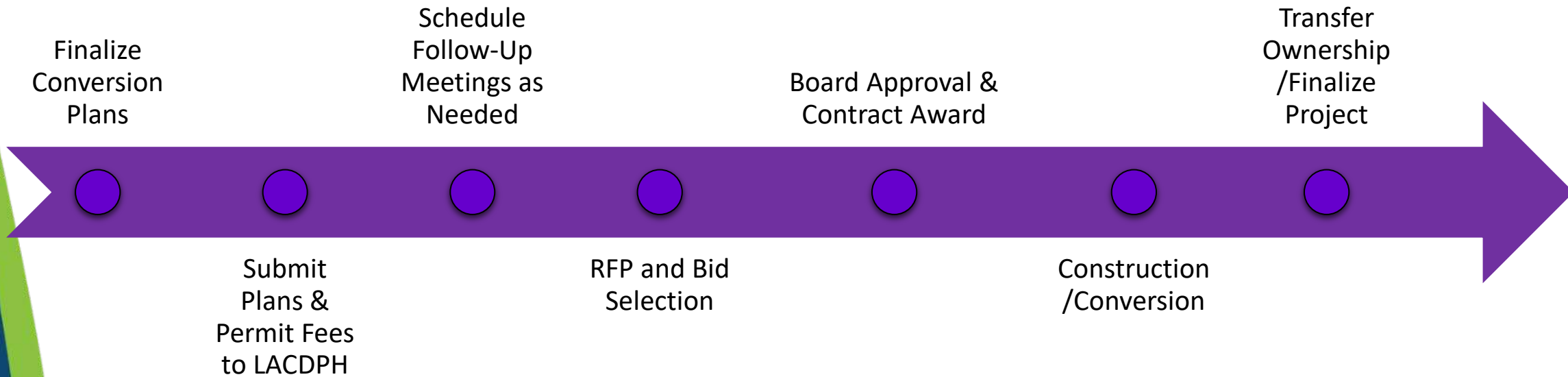
Developer Funded *Vista Canyon* (red box)

Phases 2B *Customer Conversions*

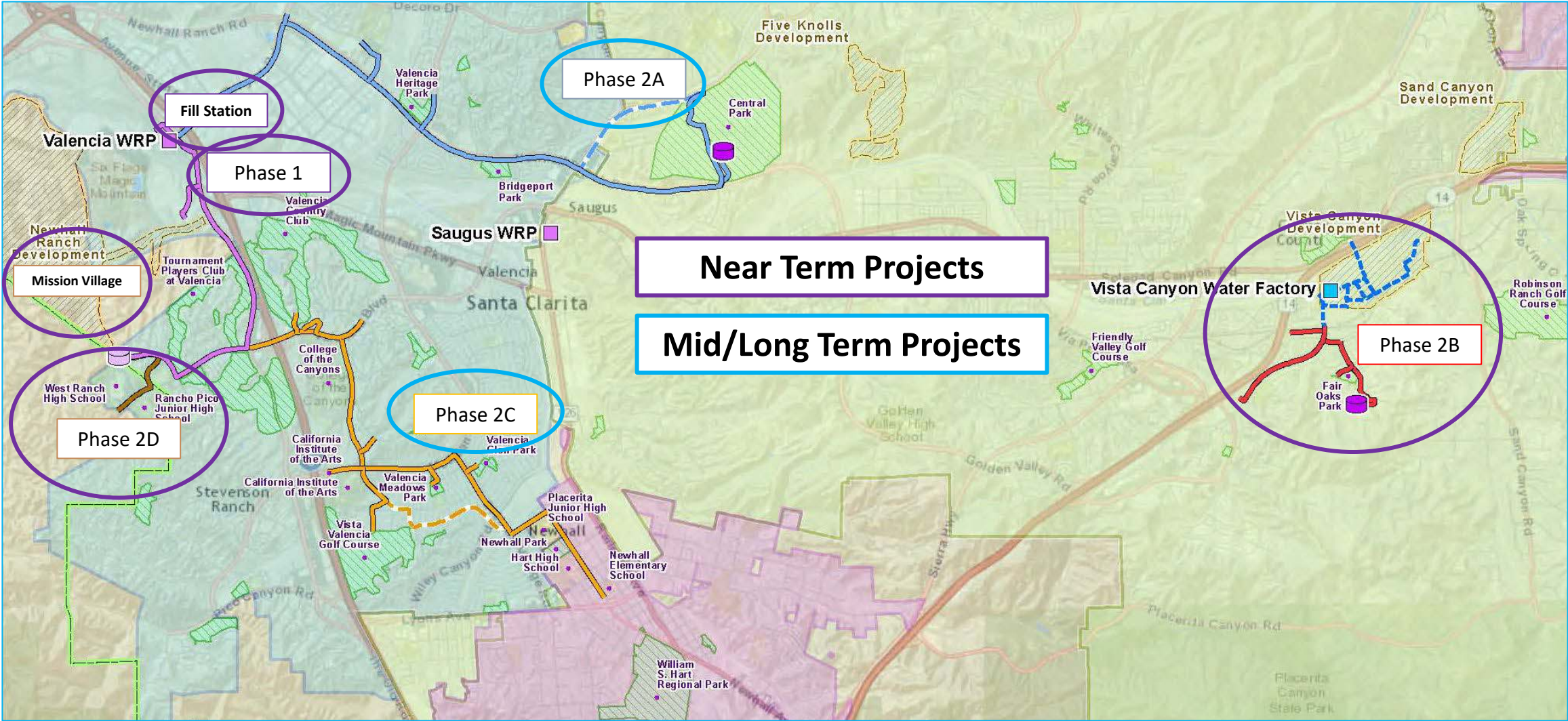




Steps to Conversion



Overview of Recycled Water Projects Locations



Recycled Water Projects Schedule Summary

Project Name	Description	Construction Start	Construction Finish	Costs
Phase 2A	New transmission main from Valencia WRP to Central Park	2028	2030	\$20M
Phase 2B	New transmission main from Vista Canyon to a new storage tank	March 2020	2022	\$8.3M
Phase 2C	New transmission main from existing line at Valencia/Old Road to Hart High	October 2023	2025	\$15M
Phase 2D	New pump station located close to RW Tank 1 and new transmission from Westridge to serve Westside Communities	March 2020	2022	\$5.7M
Grading Water for Westside Communities	Fill stations to provide recycled water for grading	Updating Permit	Updating Permit	Developer Paid
Vista Canyon In-Tract	New transmission and distribution recycled mains within Vista Canyon development	July 2018	December 2019	Developer Paid
Fill Station (VWRP Station)	Loading stands to allow water trucks to fill up with RW for construction purposes.	July 2022	Feb 2023	\$1.2M
Mission Village Irrigation Meter Accounts	Irrigation	December 2021	2022	Developer Paid

Next Steps



- Finalize Permitting for Expansion of Service
- Hook Up Customers
 - ✓ Conversion customers (Purple Prep, Ordinance?)
 - ✓ New customers
- Continue to Track New Drop
- Complete California Environmental Flow Framework
- Evaluate Staffing Resources
- Continue Cost Effective Expansion of Recycled Water System

