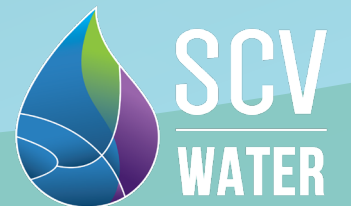


# **TESORO DEL VALLE (AREAS B & C)**

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## **Water Supply Verification**

**Water Resources and Watershed Committee**  
**Speaker: Rick Vasilopoulos**  
**November 8, 2023**



# Presentation Outline



**SB 221 Water Supply Verification**



**Project Description & Water Demands**



**Water Supply Approach**



**Supply and Demand Comparisons**



**Conclusions and Recommendations**

# The Water Supply Verification

- Triggered by Tentative Map approval
- Verification over 20-year planning projection
  - Supported by UWMP and WSA
- WSA estimates replaced with “firm assurances”
  - Include future planned supplies
- WSV’s are not part of CEQA

# Project Location

The Tesoro Del Valle Development is north of the existing Tesoro Development, north of Copper Hill Road



# Tesoro Del Valle Description

- The Project is within SCV Water's service area.
- The Project consists of:
  - 665 Single Family Homes
  - 155 Multi-Family Senior Villas
  - 5 Acre Private Park
  - 134 acres of Dedicated Irrigation

# Tesoro Del Valle – Demand Assessment Analysis

## WATER DEMAND ESTIMATE - TESORO DEL VALLE (AREAS B & C) DEVELOPMENT

### Projected Normal/Average Year Demands

Unit	# of Units	Unit Type	Demand (AFY)
Single Family (<1 du/ac) - Annexed	15	DU	7.29
Single Family (1-5 du/ac) - Annexed	331	DU	157.67
HOA/Dedicated Irrigation - Annexed	53.93	Acres	175.71
Developed Park -Annexed	0.55	Acres	1.79
Single Family (1-5 du/ac)	319	DU	151.95
Senior Villa Lots (MF)	155	DU	77.39
HOA/Dedicated Irrigation	79.91	Acres	260.36
Developed Park	4.66	Acres	15.18
<b>Total Average Year Demands (AFY)</b>			<b>847</b>
<b>Projected Single Dry Year Demands (AFY)</b>			<b>898</b>
<b>Projected Multiple Dry Year Demands (AFY)</b>			<b>864</b>

# Water Supply Approach

- WSV relies on SCV Water's current water supply portfolio
- Supplies from 2020 UWMP updated to reflect:
  - 1) DWR's Final 2021 SWP Delivery Capability Report
  - 2) Recovery schedule of wells impacted by Perchlorate/VOCs and PFAS contamination
  - 3) New well treatment due to newly proposed USEPA MCL's for PFAS and PFOA

# SWP Table A Reliability Table

Table 3-1					
SWP TABLE A SUPPLY RELIABILITY (AF) <sup>(a)(b)</sup>					
Wholesaler (Supply Source)	2020	2025	2030	2035	2040-2050
<b>Average Water Year<sup>(c)</sup></b>					
SWP Table A Supply	53,312	52,360	51,408	50,456	49,504
% of Table A Amount <sup>(d)</sup>	56%	55%	54%	53%	52%
<b>Single-Dry Year<sup>(e)</sup></b>					
SWP Table A Supply	2,856	2,618	2,380	2,142	1,904
% of Table A Amount <sup>(d)</sup>	3%	3%	3%	2%	2%
<b>Multiple-Dry Year<sup>(f)</sup></b>					
SWP Table A Supply	23,800	23,800	23,800	23,800	23,800
% of Table A Amount <sup>(d)</sup>	25%	25%	25%	25%	25%



# Saugus Well Treatment Schedule

WELL	MAIN TREATMENT	START UP DATE
(Newhall) N12	PFAS	Jun-28
(Newhall) N11, N13	PFAS	Jan-26
Saugus 1 & 2	VOCs	Oct-25
Well 201 <sup>(a)</sup>	PERCHLORATE/VOCs	Jan-25
Well 205 <sup>(a)</sup>	PERCHLORATE/VOCs	Oct-25
Well 206 & 207 <sup>(b)</sup>	PFAS	Jun-28
Saugus 3 and 4		
Saugus 5 and 6		
Saugus 7 and 8		

# Alluvial Well Treatment Schedule

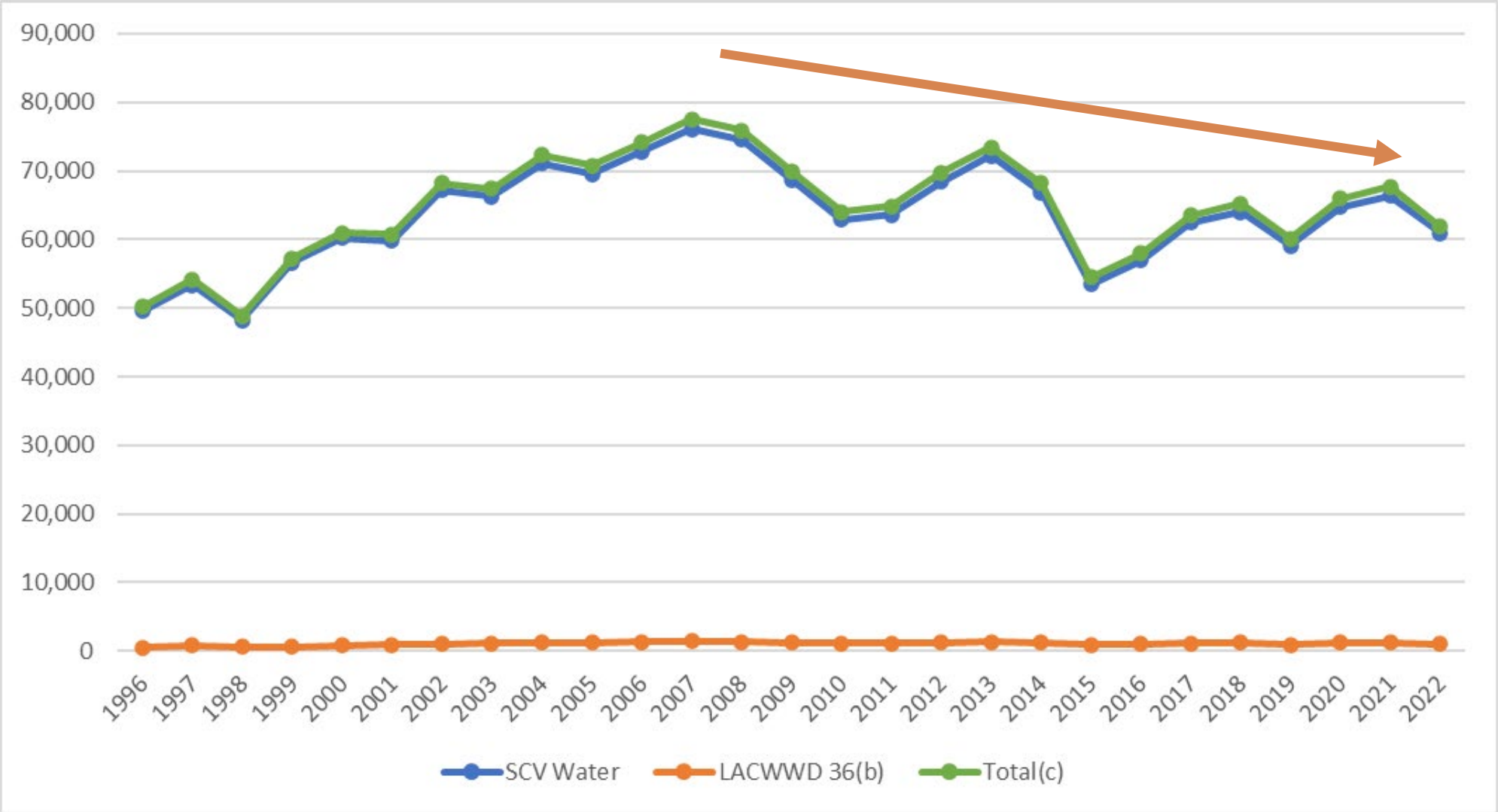
WELL	MAIN TREATMENT	TREATMENT STATUS	START UP DATE
(N Wells) N, N7, N8	PFAS	Online	Dec-20
Q2	PERCHLORATE	Online	May-23
Valley Center	PFAS	Online	Oct-22
Santa Clara, Honby	PFAS	Construction	Dec-23
T7, U4, U6	PFAS	Final Design	Oct-25
S6, S7, S8	PFAS	Final Design RFP	Sep-26
E14, E15, E16, E17	PFAS	Planning	Dec-26
North Oaks West, Central & East	PFAS	Planning RFP issued	Jun-28
Sierra Well	PFAS	Planning RFP issued	Jun-28
Well W10	PFAS	Planning RFP issued	Jun-28
Well W9	PFAS	Planning RFP issued	Jun-28
Well D	PFAS	Planning RFP issued	Jun-28
Lost Canyon 2, 2A, Sand Canyon	PFAS	Planning RFP issued	Jun-28
Mitchel 5A	PFAS	Planning	TBD
Clark Well	PFAS	Planning RFP issued	Jun-28
(Castaic) Well C1	PFAS	Blending Strategy	TBD
(Pinetree) Well P3	PFAS	No Planned Treatment	TBD
(Castaic) Well C1	PFAS	Blending Strategy	TBD
(Pinetree) Well P3	PFAS	No Planned Treatment	TBD

# Supply Exceeds Demand

SUMMARY OF SCV WATER'S EXISTING AND RECOVERED SUPPLIES									
Year	Normal Year Supply (AF)	Normal Year Demand (AF) with Project	Remaining Balance (AF)	Single-Dry Year Supply (AF)	Single-Dry Year Demand (AF) with Project	Remaining Balance (AF)	5-Year Dry Period Supply (AF)	5-Year Dry Period Demand (AF) with Project	Remaining Balance (AF)
2025	94,039	76,400	17,639	86,547	81,000	5,547	98,043	77,830	20,213
2030	104,196	81,700	22,496	104,356	86,600	17,756	114,023	83,620	30,403
2035	108,988	88,700	20,288	115,550	94,000	21,550	125,229	90,570	34,659
2040	109,435	93,600	15,835	116,719	99,200	17,519	129,706	95,780	33,926
2045	110,436	97,500	12,936	117,720	103,400	14,320	130,636	99,670	30,966

**Conclusion: Water Supply is sufficient to meet projected demands in normal, multi dry-years and single dry-years throughout the study period**

# Santa Clarita Valley's Historical Water Use



# Conclusion

- The Project's long-term water demands were included in the 2020 UWMP.
- Staff compared these demands against updated UWMP water supplies.
- Staff has concluded that the total projected water supplies over the 20-year period will be sufficient to meet the projected demands associated with the proposed Tesoro Del Valle development as well as existing and planned future uses.

# Recommendation

That the Water Resources and Watershed Committee recommend that the Board of Directors of the Santa Clarita Valley Water Agency adopt a resolution approving the SB 221 Water Supply Verification for the Tesoro Del Valle (Areas B & C) Development and direct staff to submit the WSV to the City of Santa Clarita.