



## NOTICE AND CALL OF A RESCHEDULED MEETING

Notice is hereby given that I, William Cooper, Chair of the Engineering and Operations Committee, have called a RESCHEDULED MEETING of the Agency's Engineering and Operations Committee.

Said RESCHEDULED MEETING of the Committee to be held on:

**WEDNESDAY, SEPTEMBER 6, 2023 AT 5:30 P.M.**

Santa Clarita Valley Water Agency  
held at  
26521 Summit Circle  
Santa Clarita, California 91350  
Engineering Services Section  
Boardroom

Enclosed with and as part of this Notice and Call is an Agenda for the meeting.

Signed:   
William Cooper, Chair

Date: 8/28/2023

Posted on August 30, 2023

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**SCV**  
**WATER**

# **RESCHEDULED ENGINEERING AND OPERATIONS COMMITTEE MEETING**

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**Wednesday, September 6, 2023**  
**Meeting Begins at 5:30 PM**

**Members of the public may attend by the following options:**

**In Person**

Santa Clarita Valley Water Agency  
Engineering Services Section  
Boardroom  
26521 Summit Circle  
Santa Clarita, CA 91350

**By Phone**

Toll Free:  
1-(833)-568-8864  
Webinar ID: 161 523 0535

**Virtually**

Please join the meeting from your computer, tablet or smartphone:  
<https://scvwa.zoomgov.com/j/1615230535>

**Have a Public Comment?**

Members of the public unable to attend this meeting may submit comments either in writing to [eadler@scvwa.org](mailto:eadler@scvwa.org) or by mail to Elizabeth Adler, Executive Assistant, Santa Clarita Valley Water Agency, 26521 Summit Circle, Santa Clarita, CA 91350. All written comments received before 4:00 PM the day of the meeting will be distributed to the Committee members and posted on the Santa Clarita Valley Water Agency website prior to the start of the meeting. Anything received after 4:00 PM the day of the meeting will be made available at the meeting, if practicable, and will be posted on the SCV Water website the following day. All correspondence with comments, including letters or emails, will be posted in their entirety.  
(Public comments take place during Item 2 of the Agenda and before each Item is considered. Please see the Agenda for details.)

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This meeting will be recorded and the audio recording for all Committee meetings will be posted to [yourscvwater.com](http://yourscvwater.com) within 3 business days from the date of the Committee meeting.

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Disclaimer: Attendees should be aware that while the Agency is following all applicable requirements and guidelines regarding COVID-19, the Agency cannot ensure the health of anyone attending a Board meeting. Attendees should therefore use their own judgment with respect to protecting themselves from exposure to COVID-19.

Santa Clarita Valley Water Agency  
Rio Vista Water Treatment Plant  
27234 Bouquet Canyon Road  
Santa Clarita, CA 91350  
(661) 297-1600

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**Date:** August 28, 2023

**To:** **Engineering and Operations Committee**  
William Cooper, Chair  
Gary Martin  
Piotr Orzechowski  
Kenneth Petersen

**From:** Courtney Mael, Chief Engineer *CM*  
Keith Abercrombie, Chief Operating Officer *KA*

The rescheduled **Engineering and Operations Committee** meeting is scheduled on **Wednesday, September 6, 2023 at 5:30 PM at 26521 Summit Circle, Santa Clarita, CA 91350 in the Engineering Services Section (ESS) Boardroom.** Members of the public may attend in person or virtually. To attend this meeting virtually, please see below.

#### **IMPORTANT NOTICES**

This meeting will be conducted in person at the address listed above. As a convenience to the public, members of the public may also participate virtually by using the **Agency's Call-In Number 1-(833)-568-8864, Webinar ID: 161 523 0535 Zoom Webinar by clicking on the link <https://scvwa.zoomgov.com/j/1615230535>**. Any member of the public may listen to the meeting or make comments to the Committee using the call-in number or Zoom Webinar link above. However, in the event there is a disruption of service which prevents the Agency from broadcasting the meeting to members of the public using either the call-in option or internet-based service, this meeting will not be postponed or rescheduled but will continue without remote participation. The remote participation option is being provided as a convenience to the public and is not required. Members of the public are welcome to attend the meeting in person.

Attendees should be aware that while the Agency is following all applicable requirements and guidelines regarding COVID-19, the Agency cannot ensure the health of anyone attending a Committee meeting. Attendees should therefore use their own judgment with respect to protecting themselves from exposure to COVID-19.

Members of the public unable to attend this meeting may submit comments either in writing to [eadler@scvwa.org](mailto:eadler@scvwa.org) or by mail to Elizabeth Adler, Executive Assistant, Santa Clarita Valley Water Agency, 26521 Summit Circle, Santa Clarita, CA 91350. All written comments received before 4:00 PM the day of the meeting will be distributed to the Committee members and posted on the Santa Clarita Valley Water Agency website prior to the start of the meeting. Anything received after 4:00 PM the day of the meeting, will be made available at the meeting, if practicable, and will be posted on the SCV Water website the following day. All correspondence with comments, including letters or emails, will be posted in their entirety.

**MEETING AGENDA**

<b><u>ITEM</u></b>		<b><u>PAGE</u></b>
1.	<b><u>PLEDGE OF ALLEGIANCE</u></b>	
2.	<b><u>PUBLIC COMMENTS</u></b> – Members of the public may comment as to items within the subject matter jurisdiction of the Agency that are not on the Agenda at this time. Members of the public wishing to comment on items covered in this Agenda may do so at the time each item is considered. (Comments may, at the discretion of the Committee Chair, be limited to three minutes for each speaker.)	
3. *	Recommend Approval of a Resolution Awarding a Contract for Olympian (North Oaks) Water Storage Tanks 1 and 4 Coating Project	5
4. *	Recommend Approval of Adopting a Resolution Authorizing the General Manager to Execute a Purchase Order Amendment for Construction Management Services for the Saugus #3 and #4 Wells Construction (Replacement Wells) Project	17
5. *	Recommend Approval of (1) Adopting a Resolution of a Purchase Order to Kennedy Jenks Consultants, Inc for Planning Services for the North Oaks Central, East, and Sierra Wells Groundwater Treatment Improvements Project, and (2) Finding that Approval of the Proposed Action is Exempt From CEQA Review in Accordance with CEQA Guidelines Section 15262	35
6. *	Recommend Approval of (1) Adopting a Resolution of a Purchase Order to Woodard & Curran, Inc for Planning Services for the Lost Canyon, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Project, and (2) Finding that Approval of the Proposed Action is Exempt From CEQA Review, in Accordance with CEQA Guidelines Section 15262	49
7. *	Discuss and Provide Feedback on an Out-of-Agency Water Services Agreement with Paradise Ranch Estates Mobile Home Park and Recommend Advancing an Agreement to the Board for Full Consideration and Approval	63
8. *	Monthly Operations and Production Report	89
9. *	Capital Improvement Projects Construction Status Report	99
10. *	Committee Planning Calendar	101
11. *	General Report on Treatment, Distribution, Operations and Maintenance Services Section Activities	105
12.	General Report on Engineering Services Section Activities	
13.	Adjournment	

- \* Indicates Attachment
- Indicates Handout

**NOTICES:**

Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by telephoning Elizabeth Adler, Executive Assistant, at (661) 297-1600, or in writing to Santa Clarita Valley Water Agency at 26521 Summit Circle, Santa Clarita, CA 91350. Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that Agency staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the Agency to provide the requested accommodation.

Pursuant to Government Code Section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Committee less than seventy-two (72) hours prior to the meeting will be available for public inspection at the Santa Clarita Valley Water Agency, located at 27234 Bouquet Canyon Road, Santa Clarita, CA 91350, during regular business hours. When practical, these public records will also be made available on the Agency's Internet Website, accessible at <http://www.yourscvwater.com>.

Posted on August 30, 2023.

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## COMMITTEE MEMORANDUM

**DATE:** August 15, 2023

**TO:** Engineering and Operations Committee

**FROM:** Keith Abercrombie   
Chief Operating Officer

**SUBJECT:** Recommend Approval of a Resolution Awarding a Contract for Olympian (North Oaks) Water Storage Tanks 1 and 4 Coating Project

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### SUMMARY

Staff recommends that the interior lining of the Olympian (North Oaks) Tanks 1 and 4 be removed and replaced, and that spot paint repairs be made to localized areas of its exterior coating system to maintain the integrity and service life, based on a condition assessment and inspection by CSI Services, Inc. (CSI).

The Olympian (North Oaks) Tank 1 is a welded steel, above ground water storage tank built in 2000. It is one of four water storage tanks on site. The interior linings are the original coatings applied. All the interior steel surfaces, and appurtenances are coated with a thin film epoxy lining. The internal roof lap seams and roof/shell chime are not caulked. The exterior tank and appurtenance paint system includes a urethane finish coat. The tank lining has reached the end of its service life. Significant corrosion has developed on the edges of roof support structure, roof structure fasteners and at an isolated area on the tank bottom.

The Olympian (North Oaks) Tank 4 is a welded steel, above ground tank built in 2000. It is one of four tanks on the site. The interior linings are the original coatings applied. All the interior steel surfaces, and appurtenances are coated with a thin film epoxy lining. The internal roof lap seams and roof/shell chime are not caulked. The exterior tank and appurtenance paint system includes a urethane finish coat. The tank lining has reached the end of its service life. Significant corrosion has developed on the edges of roof support structure, the overflow, and at an isolated area on the tank bottom.

Inspections of both tanks were completed in 2022. The tank interior lining in both tanks is exhibiting corrosion and blistering. Deep pitting may be present on the tank bottoms, which have been patched previously with 100% solids epoxy.

Staff received bids from five (5) qualified contractors and recommends awarding the contract to Simpson Sandblasting & Special Coatings, Inc. as the lowest responsible bidder in the amount of \$584,827.75.

**DISCUSSION**

The Capital Improvement Program (CIP) includes periodic tank inspections and recoating/relining (as required), in accordance with AWWA D101-53 (79) Standards, to maintain the integrity and extend the service life of storage tanks.

Olympian (North Oaks) Tanks 1 and 4 Tanks are two (2) of twelve (12) tanks located in the North Oaks Pressure Zone. The tanks were both erected in 2000. They are both 73 ft diameter, 32 ft tall, welded steel above-ground tank with a combined capacity at overflow of 2.0 million gallons. The interior linings are original coatings. The interior steel surfaces and appurtenances are coated with a thin film epoxy lining. Tank 1 exterior paint on the roof is in poor to fair condition with moderate chalking. Widespread dark rust spot patches are present throughout the roof. There are isolated areas with more advanced dark rust spots, notably a few areas next to the hatch and the vent. Tank 4 roof also has some minor spots of peeling paint. The rust spots on the shell are the result of thrown rocks.

Staff contracted with CSI for the coating technical specifications and engineering estimate. Staff issued a Request for Bids by posting to PlanetBids on July 11, 2023. Five (5) bids were received on August 1, 2023. Staff reviewed the bids and recommends awarding the contract to Simpson Sandblasting & Special Coatings, Inc. as the lowest responsible bidder.

Bid results are as follows:

<b>Contractor</b>	<b>Bid Amount</b>
Simpson Sandblasting & Special Coatings, Inc.	\$584,827.75
Unified Field Services Corporation	\$613,020.00
Utility Service Co., Inc.	\$710,600.00
Advanced Industrial Services, Inc.	\$732,000.00
Allied Painting, INC.	\$755,000.00

**STRATEGIC PLAN NEXUS**

This project supports Santa Clarita Valley Water Agency's Strategic Plan B.1.1 – Implement capital projects related to infrastructure reliability.

**FINANCIAL CONSIDERATIONS**

Funding for Olympian (North Oaks) Water Storage Tanks 1 and 4 Coating Project is provided through the CIP Storage Tank Improvements & Replacements budget and is included in the FY2023/24 Budget.

**RECOMMENDATION**

That the Engineering and Operations Committee recommends that the Board of Directors adopt the attached resolution awarding the contract for Olympian Water Storage Tanks 1 and 4 Coating Project to Simpson Sandblasting & Special Coatings, Inc. in the amount of \$584,827.75.

Attachment

M65

**RESOLUTION NO. SCV-\_\_\_**

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE SANTA CLARITA VALLEY WATER AGENCY  
AWARDING A CONTRACT TO SIMPSON SANDBLASTING &  
SPECIAL COATINGS, INC., FOR OLYMPIAN (NORTH OAKS) WATER STORAGE  
TANKS 1 AND 4 COATING PROJECT**

**WHEREAS**, all bid proposals submitted to the Santa Clarita Valley Water Agency (Agency) pursuant to the Agency's specifications for the interior lining of the Olympian (North Oaks) Tanks 1 and 4, were received at the Agency's offices, in full accordance with the law and the Agency's customary procedures; and

**WHEREAS**, this project supports the Agency's Strategic Plan B.1.1 – Implement capital projects related to infrastructure reliability; and

**WHEREAS**, the Board of Directors finds, after considering the opinion of staff, that the total bid of Simpson Sandblasting & Special Coatings, Inc., for \$584,827.75 is the lowest responsible bid of five bids submitted, and that said bid substantially meets the requirements of said contract documents; and

**WHEREAS**, it is in the Agency's best interest that the Board of Directors, on behalf of the Agency, authorize its General Manager to accept the \$584,827.75 bid.

**NOW, THEREFORE, BE IT RESOLVED** that the Agency's Board of Directors does authorize its General Manager to accept said low bid and does therefore authorize the Agency's General Manager or its Chief Operating Officer to issue a Notice of Award to Simpson Sandblasting & Special Coatings, Inc., hereby found to be the "lowest responsible bidder" for the Olympian (North Oaks) Water Storage Tanks 1 and 4 coating project.

**RESOLVED FURTHER** that the Agency's General Manager or its President and Secretary are thereupon authorized, upon receipt of appropriate payment and performance bonds, appropriate certificates of insurance and an executed Contract Agreement from Simpson Sandblasting & Special Coatings, Inc., for \$584,827.75, all of which must be approved by General Counsel, to execute the said Contract Agreement on behalf of the Agency.

**RESOLVED FURTHER** that the Agency's General Manager or Chief Operating Officer are thereafter authorized to execute and forward to Simpson Sandblasting & Special Coatings, Inc., the appropriate Notice to Proceed.

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September 6, 2023

# SCV Water

Olympian (North Oaks) Tanks 1 & 4 Coating  
Project

Engineering and Operations  
Committee Meeting

# SCVWA Storage Tank Information

- 108 storage tanks
- Combined distribution storage of more than 165 MG
- Periodic general inspections - weekly
- Inspection and cleaning - every 3 - 5 years (internal and external)



# Steel Storage Tank Coatings

- Epoxy coatings are designed to protect the integrity of steel tanks.
- Exterior and interior coatings are designed to last between 20 - 30 years.
- AWWA M42 recommends inspections every 3 - 5 years



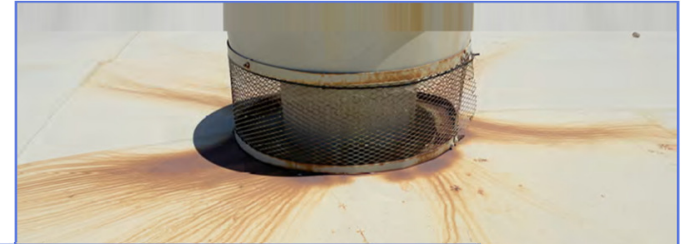
# Olympian (North Oaks) Tanks 1 & 4 Overview

- Both constructed in 2000
- Condition assessment by CSI Services, Inc.
  - Assessments conducted in 2022 on both tanks
  - Interior coating is original
    - Replacement - now
  - Exterior coating is original
    - Replacement - spot repairs
- Bids received August 1, 2023
- Complete work in Quarter 2, FY 23/24





# Olympian Tanks



[YOURSCVWATER.COM](http://YOURSCVWATER.COM)

# Bid Results

Contractors	Bid Amount
Simpson Sandblasting & Special Coatings, Inc.	\$584,827.75
Unified Field Services Corporation	\$613,020.00
Utility Service Co., Inc.	\$710,600.00
Advanced Industrial Services, Inc.	\$732,000.00
Allied Painting, INC.	\$755,000.00

- Lowest Responsible Bid is \$584,827.75 by Simpson Sandblasting & Special Coatings, Inc.
- Engineer's Estimate is \$589,000.00



## •Strategic Plan Nexus

This project supports Santa Clarita Valley Water Agency's Strategic Plan B.1.1 - Implement capital projects related to infrastructure reliability.

## •Financial Considerations

Funding for Olympian (North Oaks) Water Storage Tanks 1 and 4 Coating Project is provided through the CIP Storage Tank Improvements & Replacements budget and is included in the FY2023/24 Budget.



# Recommendations

- That the Engineering and Operations Committee recommends that the Board of Directors award the contract for Olympian (North Oaks) Water Storage Tanks 1 and 4 Coating Project to Simpson Sandblasting & Special Coatings, Inc. in the amount of \$584,827.75.





## COMMITTEE MEMORANDUM

**DATE:** August 18, 2023

**TO:** Engineering and Operations Committee

**FROM:** Courtney Mael, P.E. *CM*  
Chief Engineer

**SUBJECT:** Recommend Approval of Adopting a Resolution Authorizing the General Manager to Execute a Purchase Order Amendment for Construction Management Services for the Saugus #3 and #4 Wells Construction (Replacement Wells) Project

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### SUMMARY

The Saugus #3 and #4 Wells Construction (Replacement Wells) Project is currently in construction. Due to unforeseen delays, additional funds are being requested to extend the construction management services for the project. Staff recommends approval of a purchase order amendment to Black & Veatch Corporation (BV) for construction management services for an amount not to exceed \$1,899,000.

### DISCUSSION

On April 5, 2022, the Board of Directors authorized staff to issue a Notice of Award to Zim Industries, Inc. for construction of the Saugus #3 & #4 Wells Construction (Replacement Wells) Project (Project). The Board of Directors also authorized issuing a purchase order for an amount not to exceed \$914,000 for construction management services to BV.

The notice to proceed was issued on April 29, 2022. The original project duration schedule was four hundred (400) calendar days which resulted in a completion date of June 3, 2023. Due to unforeseen delays, the new estimated completion date is April 2024.

The project's scope of work is not changing, and only additional funding is being requested at this time for BV's construction management services. BV's general scope of work includes inspection, overall construction coordination and material testing.

The project's scope of work consists of constructing two wells with a capacity of 2,000 gallons per minute to drilled depths ranging between 2,000 and 3,000 feet below ground surface. Major tasks include pilot hole drilling, downhole geophysical surveying, isolated aquifer zone testing, pilot hole ream, caliper & deviation surveys, well casing, gravel pack, annular grout seal, well casing alignment testing, and well development.

### CALIFORNIA ENVIRONMENTAL QUALITY ACT DETERMINATION

As the previously approved Project is not changing, and only additional funding is being requested at this time for BV's construction management services, the approval of additional funding is not a project subject to the California Environmental Quality Act (CEQA) under State CEQA Guidelines section 15060(c)(3) and in the alternatively, is exempt from CEQA under the commonsense exemption pursuant to State CEQA Guidelines section 15061(b)(3).

## **STRATEGIC PLAN NEXUS**

This Project will help meet the Agency's Strategic Plan Objective B.1.1: "Implement capital projects related to infrastructure reliability".

## **FINANCIAL CONSIDERATIONS**

BV's original budget for construction management services was in an amount not to exceed \$914,000, and an additional \$985,000 is being requested at this time. BV's services are performed on a time and materials basis and the previously issued purchase order will be amended.

This Project is included in the Agency's FY 2023/24 Capital Improvement Program (CIP) Projects Budget. The FY 2023/24 budget will be revised to account for the additional cost. The first \$8.3 million of the project will be funded by Whittaker Corporation, consistent with terms of the Castaic Lake Water Agency Litigation Settlement Agreement and amendments related to perchlorate contamination.

## **RECOMMENDATION**

That the Engineering and Operations Committee recommends that the Board of Directors approve adopting the attached resolution authorizing the General Manager to execute a purchase order amendment for construction management services to Black & Veatch Corporation for an amount not to exceed \$1,899,000 for the Saugus #3 and #4 Wells Construction (Replacement Wells) Project.

Attachment

**RESOLUTION NO. SCV-XXX**

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE SANTA CLARITA VALLEY WATER AGENCY TO  
APPROVE ADDITIONAL FUNDING FOR  
CONSTRUCTION MANAGEMENT SERVICES FOR THE SAUGUS WELLS #3 & #4  
WELLS CONSTRUCTION (REPLACEMENT WELLS) PROJECT**

**WHEREAS**, Santa Clarita Valley Water Agency (Agency) desires to take steps to increase the reliability of its existing water system; and

**WHEREAS**, the Agency's Capital Improvement Program includes construction of the Saugus #3 and #4 Wells Construction (Replacement Wells) Project (Project); and

**WHEREAS**, the previously approved Project is not changing, and only additional funding is being requested at this time for Black & Veatch Corporation's construction management services, the approval of additional funding is not a project subject to the California Environmental Quality Act (CEQA) under State CEQA Guidelines section 15060(c)(3) and in the alternative, is exempt from CEQA under the common sense exemption pursuant to State CEQA Guidelines section 15061(b)(3); and

**WHEREAS**, it is in the Agency's best interest that the Board of Directors, on behalf of the Agency, authorize its General Manager to execute a purchase order amendment to Black & Veatch Corporation for construction management services for an amount not to exceed \$1,899,000.

**NOW, THEREFORE, BE IT RESOLVED**, that the Santa Clarita Valley Water Agency's Board of Directors does authorize its General Manager to execute a purchase order amendment to Black & Veatch Corporation for construction management services for an amount not to exceed \$1,899,000.

**RESOLVED FURTHER** that the Agency's General Manager or Chief Engineer are thereafter authorized to execute and forward to BV an amended purchase order.

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September 6, 2023

# Requesting Additional Funding For Construction Management Services for The Saugus #3 and #4 Wells Construction (Replacement Wells) Project

Engineering and Operations  
Committee Meeting

# Saugus #3 and #4 Wells Construction (Replacement Wells) Project Location



# Saugus #3 and #4 Wells Construction (Replacement Wells) Project Description

- The project consists of drilling and constructing two wells with a capacity of 2,000 gallons per minute to drilled depths ranging between 2,000 and 3,000 feet below ground surface.



# Saugus #3 and #4 Wells Construction (Replacement Wells) Completed Activities

- Awarded construction contract (April 5, 2022)

Bidder	Contract Amount
Zim Industries, Inc. (Fresno, CA)	\$12,751,494

- Saugus Well #3:
  - Pilot Hole
  - 14 Isolated Aquifer Zone Testings
  - Finalizing well casing installation



# Saugus #3 and #4 Wells Construction (Replacement Wells) Completed Activities (cont'd)



**Drill Rig**



**Pilot Hole Drilling**

[YOURSCVWATER.COM](http://YOURSCVWATER.COM)



# Saugus #3 and #4 Wells Construction (Replacement Wells) Completed Activities (cont'd)



**Mud Tanks**



**Drill Cutting Samples**



# Saugus #3 and #4 Wells Construction (Replacement Wells) Completed Activities (cont'd)



**Zone Testing**



**Water Sampling**

[YOURSCVWATER.COM](http://YOURSCVWATER.COM)



# Saugus #3 and #4 Wells Construction (Replacement Wells) Completed Activities (cont'd)



**Casing Installation**





# Saugus #3 and #4 Wells Construction (Replacement Wells) Project Timeline

Activity	Notes
Contractor Notice to Proceed	<ul style="list-style-type: none"> <li>• NTP: April 29, 2022</li> <li>• Contract Duration: 400 calendar days</li> <li>• Estimated contract completion date: June 3, 2023</li> </ul>
LA County Well Permit	<ul style="list-style-type: none"> <li>• Submitted: May 9, 2022</li> <li>• Approved: August 2, 2022</li> <li>• 86 calendar day delay.</li> </ul>
Well #3 - Zone 4 and 5 re-testing	<ul style="list-style-type: none"> <li>• Retesting of Zone 4 and 5 (March 5, 2023 to March 22, 2023)</li> <li>• 20 calendar day delay</li> </ul>



# Saugus #3 and #4 Wells Construction (Replacement Wells) Project Timeline (Cont'd)

Activity	Notes
Well #3 Zone Test results and Final Well Design	<ul style="list-style-type: none"> <li>The Well #3 Final Well Design could not be finalized until all zone testing results were issued. Result was a 50 calendar day delay (April 24, 2023 to June 12, 2023).</li> </ul>
Project Time Extension	<ul style="list-style-type: none"> <li>Contractor received a 215 calendar day non-compensatory time extension.</li> <li>New contract completion date: January 4, 2024.</li> </ul>
Estimated Project completion	<ul style="list-style-type: none"> <li>Based on the contractor's current project schedule, the estimated project completion date is April 4, 2024.</li> <li>Estimated project completion date is 89 calendar days beyond current project completion date and 304 calendar days beyond the original project completion date.</li> </ul>



# Saugus #3 and #4 Wells Construction (Replacement Wells) Project Delays

Type of Delay	BV Compensated (Y/N)
Permitting (86 calendar days)	Y (meetings and coord. efforts)
Re-testing Zones (20 calendar days)	Y (meetings & inspection efforts)
Lab Results (50 calendar days)	Y (meetings)

- Well drilling operation is 24/7.
  - Agency Inspection staff covers day shift.
  - Black & Veatch (BV) 12 hour night shift, including weekends.
- BV services are performed on a time and materials basis.
- BV steps in when Agency staff is unavailable.
  - (e.g. holiday coverage, short staffed, or Agency staff working on other time sensitive construction jobs).



# Saugus #3 and #4 Wells Construction (Replacement Wells) Financial Considerations

Bidder	Original PO Amount
Black & Veatch (for Construction Management Services)	\$914,000

- An additional \$985,000 is being requested due to unforeseen delays. We anticipate completing the project with the increase.

**Strategic Plan Objective B.1.1: “Implement capital projects related to infrastructure reliability”**



# Saugus #3 and #4 Wells Construction (Replacement Wells) Completion Dates

## Well Drilling & Wells Construction

- New Estimated Completion Date - April 2024 (Previously June 3, 2023)



# Saugus #3 and #4 Wells Construction (Replacement Wells) Project Recommendation

**That the Engineering and Operations Committee recommends that the Board of Directors approve:**

- Adopting a resolution authorizing the General Manager to execute a purchase order amendment for construction management services to Black & Veatch Corporation for an amount not to exceed \$1,899,000 for the Saugus #3 and #4 Wells Construction (Replacement Wells) Project.





## COMMITTEE MEMORANDUM

**DATE:** August 18, 2023

**TO:** Engineering and Operations Committee

**FROM:** Courtney Mael, P.E. *CM*  
Chief Engineer

**SUBJECT** Recommend Approval of (1) Adopting a Resolution of a Purchase Order to Kennedy Jenks Consultants, Inc for Planning Services for the North Oaks Central, East, and Sierra Wells Groundwater Treatment Improvements Project, and (2) Finding that Approval of the Proposed Action is Exempt From CEQA Review in Accordance with CEQA Guidelines Section 15262

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### SUMMARY

The Santa Clarita Valley Water Agency (Agency) is planning to construct a new groundwater treatment facility for the North Oaks Central, East and Sierra Wells. Staff issued a Request for Proposal (RFP) for planning services for the North Oaks Central, East, and Sierra Wells Groundwater Treatment Improvements Project (Project). The Project will identify and layout the necessary treatment improvements. Staff received two (2) planning services proposals and is recommending approval of adopting a resolution authorizing a purchase order to Kennedy Jenks Consultants, Inc (KJ) for planning services for the North Oaks Central, East, and Sierra Wells Groundwater Treatment Improvements Project.

### DISCUSSION

The Agency is planning to construct a new groundwater treatment facility for the North Oaks Central, East, and Sierra Wells. The North Oaks Central and East Wells have been shut down since March 6, 2000 and the Sierra Well has been shut down since May 3, 2023 due to the per- and polyfluoroalkyl substances (PFAS) level. The Project will provide treatment to the well water.

On May 26, 2023, staff issued an RFP to seven (7) of the Agency's on-call consultants for the planning services to identify and layout the necessary treatment improvements. On June 28, 2023 staff received proposals from two (2) consultants, KJ and Woodard & Curran, Inc. The proposals were reviewed and evaluated by staff from the Engineering Services Section and the Operations and Maintenance Department. The evaluation team reviewed the proposals based on the qualifications-based selection procedure applying the following criteria: responsiveness (conformance and compliance) to the RFP requirements, project understanding, project approach, responsibilities (resources/ capability/ qualifications/ availability) to perform the work, scope of work, and schedule. The evaluation team selected KJ as the firm to provide the planning services for the Project.

The scope of work will include but is not limited to identifying and laying out the necessary treatment improvements, identifying the location of the treatment facility, preparing estimated

construction costs, and providing preliminary design of the recommended improvements to be able to conduct environmental review of such a potential project under the California Environmental Quality Act (CEQA).

### **CALIFORNIA ENVIRONMENTAL QUALITY ACT CONSIDERATIONS**

The approval of a purchase order to KJ for planning services for the North Oaks Central, East, and Sierra Wells Groundwater Treatment Improvements Project authorizes the preparation of feasibility and planning studies and does not constitute an approval for the construction of the Project and so is exempt from further review under the CEQA Guidelines section 15262.

### **STRATEGIC PLAN NEXUS**

The award of this planning contract will help meet the Agency's objective and Strategic Plan Objective D.1: "Achieve 100% compliance with all environmental regulations and standards" and Strategic Plan Objective D.2: "Proactively install, operate, and maintain groundwater treatment infrastructure to avoid impacts on water supply reliability (e.g. VOCs, perchlorate, PFAS, etc.)".

### **FINANCIAL CONSIDERATIONS**

The Project was included in the Agency's FY 2023/2024 Budget. The planning services would be performed on a time and expense basis with a not to exceed budget of \$230,000.

### **RECOMMENDATION**

That the Engineering and Operations Committee recommends that the Board of Directors approve (1) adopting the attached resolution authorizing a purchase order to Kennedy Jenks Consultants, Inc for an amount not-to-exceed of \$230,000 for planning services for the North Oaks Central, East, and Sierra Wells Groundwater Treatment Improvements Project and (2) finding that approval of the proposed action is exempt from the CEQA review, in accordance with CEQA Guidelines section 15262, because the project only involves feasibility or planning studies for possible future actions which the Agency has not approved, adopted, or funded.

Attachment



**RESOLUTION NO. SCV-XXX**

**RESOLUTION OF THE BOARD OF DIRECTORS OF  
THE SANTA CLARITA VALLEY WATER AGENCY TO  
AUTHORIZE A PURCHASE ORDER TO KENNEDY JENKS CONSULTANTS, INC FOR  
PLANNING SERVICES FOR THE NORTH OAKS CENTRAL, EAST AND SIERRA WELLS  
GROUNDWATER TREATMENT IMPROVEMENTS PROJECT, AND FINDING THAT  
APPROVAL OF THE PROPOSED ACTION IS EXEMPT FROM CEQA REVIEW IN  
ACCORDANCE WITH CEQA GUIDELINES SECTION 15262**

**WHEREAS**, the Santa Clarita Valley Water Agency (Agency) wishes to conduct feasibility and planning studies with regard to a potential North Oaks Central, East and Sierra Wells Groundwater Treatment Improvements Project (Project), as it continues to work towards meeting the Agency’s Strategic Plan Objective D.1: “Achieve 100% compliance with all environmental regulations and standards” and Strategic Plan Objective D.2: “Proactively install, operate, and maintain groundwater treatment infrastructure to avoid impacts on water supply reliability (e.g. VOCs, perchlorate, PFAS, etc.)”; and

**WHEREAS**, the adoption of the resolution for a purchase order to Kennedy Jenks Consultants, Inc (KJ) for planning services for the Project authorizes the preparation of feasibility and planning studies, and does not constitute an approval for the construction of the Project and so is exempt from further review under the California Environmental Quality Act (CEQA) Guidelines section 15262; and

**WHEREAS**, this resolution does not commit the Agency to any current or future projects, and does not entail any construction or other activity that could result in a potential physical change to the environment; and

**WHEREAS**, on May 26, 2023, the Agency issued the Request for Proposal (RFP) to seven (7) of its on-call consultants on PlanetBids for planning services for the Project; and

**WHEREAS**, on June 28, 2023, proposals from two (2) consultants were electronically received on the Agency’s website page on PlanetBids pursuant to the Agency’s planning services RFP for the Project; and

**WHEREAS**, it is in the Agency’s best interest that the Board of Directors authorize its General Manager to award a purchase order to KJ for planning services for the Project in an amount not to exceed of \$230,000.

**NOW, THEREFORE, BE IT RESOLVED**, That the Santa Clarita Valley Water Agency Board of Directors does hereby find and determine as follows:

**SECTION 1.** RECITALS. The Santa Clarita Valley Water Agency Board of Directors finds that the resolution does not constitute an approval for the construction of the North Oaks Central, East and Sierra Wells Groundwater Treatment Improvements Project and so is exempt from further review under CEQA Guidelines section 15262, that the administrative record has been completed in compliance with CEQA, the CEQA Guidelines, and that the CEQA findings reflect the Board of Director’s independent judgment.

**SECTION 2.** LOCATION AND CUSTODIAN OF RECORDS. The documents and materials associated with the Project that constitute the record of proceedings on which these

findings are based can be requested from the Custodian of Record located at Santa Clarita Valley Water Agency, 27234 Bouquet Canyon Road, Santa Clarita, CA 91350. The Custodian of Record is the Board Secretary April Jacobs.

**RESOLVED FURTHER** that the Santa Clarita Valley Water Agency's Board of Directors authorizes its General Manager to issue a purchase order to Kennedy Jenks Consultants, Inc for planning services for the North Oaks Central, East and Sierra Wells Groundwater Treatment Improvements Project for the not-to-exceed amount of \$230,0000.



September 6, 2023

# North Oaks Central, East and Sierra Wells Groundwater Treatment Improvements Planning Services

Engineering and Operations  
Committee Meeting

# Santa Clarita Valley Water Agency Service Area



[YOURSCVWATER.COM](http://YOURSCVWATER.COM)



# North Oaks Central, East and Sierra Wells Groundwater Treatment Improvements Planning Services



North Oaks Central Well  
(above)

- Drilled in 1965
- 1,200 gallon per minute (gpm) capacity
- Shut down March 2020

North Oaks East Well  
(below)

- Drilled in 1940
- 950 gpm
- Shut down March 2020

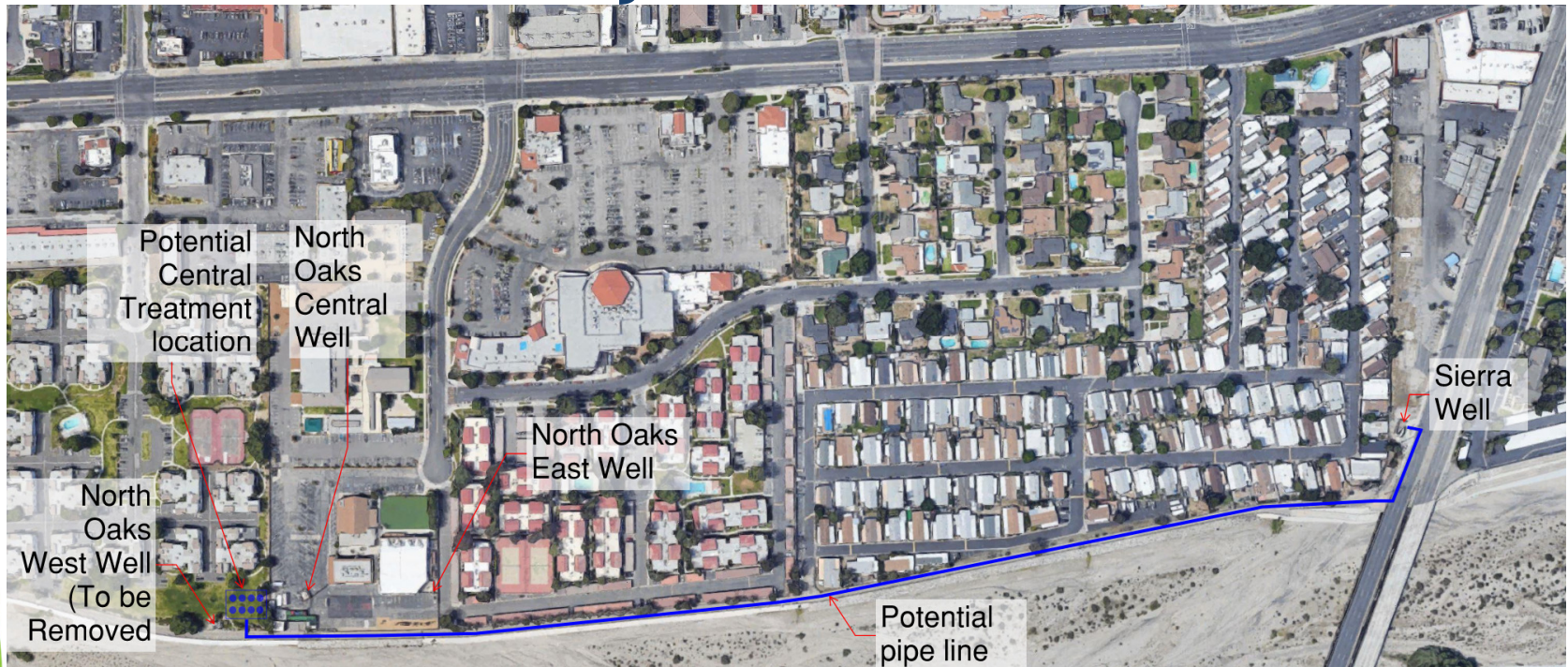


Sierra Well (above)

- Drilled in 1973
- 1,000 gpm
- Shut down May 2023



# North Oaks Central, East and Sierra Wells Groundwater Treatment Improvements Planning Services Project Location



YOURSCVWATER.COM



# North Oaks Central, East and Sierra Wells Groundwater Treatment Improvements Planning Services Project Consultant Selection

- May 26, 2023: Request for Proposal (RFP) on PlanetBids advertised
- June 28, 2023: Two (2) proposals received
  - Woodard & Curran, Inc
  - Kennedy Jenks Consultants, Inc
- Evaluation Team: Engineering Services Section, Operations and Maintenance Department
- Kennedy Jenks Consultants, Inc selected based on:
  - Responsiveness (conformance and compliance) to the RFP requirement
  - Project understanding
  - Project Approach
  - Responsibility (resources/capability/qualifications/availability) to perform the work
  - Scope of work
  - Schedule



# North Oaks Central, East and Sierra Wells Groundwater Treatment Improvements Planning Services Project Scope

- Project Meetings and Workshops
- Data Collection and Review
- Perform Topographical surveys
- Groundwater Treatment Improvement planning (land use, flood and seismic risk assessments, well rehabilitations, site layout, site accessibility, piping and electrical load analysis)
- Identification of easements, jurisdictional boundaries, future construction discharge quantities, and permit requirements
- Planning level design drawings and 3-d renderings
- Estimated Construction Costs





# North Oaks Central, East and Sierra Wells Groundwater Treatment Improvements Planning Services Project Budget

## Planning Budget:

- Proposed Budget for Planning is \$230,000
- FY 2023/24 CIP Budget for Planning is \$250,000

(1) Strategic Plan Objective D.1: “Achieve 100% compliance with all environmental regulations and standards.” and

(2) Strategic Plan Objective D.2: “Proactively install, operate, and maintain groundwater treatment infrastructure to avoid impacts on water supply reliability (e.g. VOCs, perchlorate, PFAS, etc.).”



# North Oaks Central, East and Sierra Wells Groundwater Treatment Improvements Planning Services Project Schedule

- Award Phase:
  - September 6, 2023: Engineering and Operations Committee
  - October 3, 2023: Board Meeting
- Planning Phase:
  - October 2023: Notice to Proceed
  - October 2023 to March 2024 (6 Months): Planning Services



# North Oaks Central, East and Sierra Wells Groundwater Treatment Improvements Planning Services Project Recommendation

**That the Engineering and Operations Committee recommends that the Board of Directors:**

- A. Approve adopting a resolution authorizing the General Manager to execute a purchase order for planning services to Kennedy Jenks Consultants, Inc for an amount not to exceed of \$230,000; and
- B. Find that approval of the proposed action is exempt from the CEQA review, in accordance with CEQA Guidelines Section 15262, because the project only involves feasibility or planning studies for possible future actions which the Agency has not approved, adopted, or funded.



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## COMMITTEE MEMORANDUM

**DATE:** August 17, 2023

**TO:** Engineering and Operations Committee

**FROM:** Courtney Mael, P.E. *CM*  
Chief Engineer

**SUBJECT** Recommend Approval of (1) Adopting a Resolution of a Purchase Order to Woodard & Curran, Inc for Planning Services for the Lost Canyon, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Project, and (2) Finding that Approval of the Proposed Action is Exempt From CEQA Review in Accordance with CEQA Guidelines Section 15262

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### SUMMARY

Recently, the Santa Clarita Valley Water Agency's (Agency) Lost Canyon 2, Lost Canyon 2A, Sand Canyon, and Mitchell 5B Wells were taken offline due to exceeding the response level for Perfluorooctanoic Acid (PFOA) in drinking water. Staff issued a planning service Request for Proposals (RFP) to determine capital improvements necessary to comply with the regulation. Two (2) consultants provided proposals for the planning services for the Lost Canyon 2, Lost Canyon 2A, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Project. Staff is recommending approving adopting a resolution authorizing a purchase order to Woodard & Curran, Inc (W&C) for planning services for the Lost Canyon, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Project.

### DISCUSSION

The State Water Resources Control Board (SWRCB) response level for PFOA is 10 ng/L. Water quality data indicates some of the Agency's groundwater wells are over the running annual average for PFOA, namely, the Lost Canyon 2, Lost Canyon 2A, Sand Canyon, and Mitchell 5B Wells. On June 23, 2023, the Mitchell 5B Well was removed from operation and on July 3, 2023, the Lost Canyon 2A and Sand Canyon Wells followed. Lost Canyon 2 Well is currently unequipped as it is suspected that this well suffered from a partial casing collapse. Located on the east side of the Agency's service area, the proximity of these wells to within three-quarters of a mile of each other make them candidates for centralized treatment. Ion exchange treatment systems can be installed to remove Per- and Polyfluorinated Substances (PFAS) compounds which have been successfully used in other locations within the Agency's service area. A hydrogeologist will also evaluate each of the wells' casing conditions, more specifically, the Lost Canyon 2 Well as its casing may have had a partial collapse.

On May 26, 2023 and May 30, 2023, the Agency issued an RFP to several of its on-call consultants for the planning services for the Lost Canyon and Sand Canyon Groundwater Treatment Improvements Project and the Mitchell 5B Groundwater Treatment Improvements Project, respectively. On June 28, 2023 and July 19, 2023, proposals from Kennedy Jenks Consultants, Inc and W&C were received for the planning services for the Lost Canyon and Sand Canyon Groundwater Treatment Improvements Project and the Mitchell 5B Groundwater Treatment Improvements Project, respectively. During the solicitation process, staff determined that these two (2) projects may be combined into a singular project named

the Lost Canyon, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Project (Project). The proposals were reviewed and evaluated by staff from the Engineering Services Section and Operations and Maintenance Department. The evaluation team reviewed the proposal based on a qualifications-based selection procedure applying the following criteria: responsiveness (conformance and compliance) to the RFP requirements, project understanding, project approach, responsibilities (resources, capability, qualifications and availability) to perform the work, scope of work, and schedule. The evaluation team selected W&C to provide the planning services for the Project.

The planning services will identify capital improvements that are needed to return the Lost Canyon 2, Lost Canyon 2A, Sand Canyon, and Mitchell 5B Wells back into service. The scope of work includes but is not limited to compliance with the regulations, propose alternative solutions, prepare the estimated costs and recommended improvements. After the capital improvements are defined, then an environmental evaluation will be performed under the California Environmental Quality Act (CEQA) and potentially National Environmental Policy Act (NEPA).

### **CALIFORNIA ENVIRONMENTAL QUALITY ACT CONSIDERATIONS**

The approval of a purchase order to W&C for planning services for the Project authorizes the preparation of feasibility and planning studies and does not constitute an approval for the construction of the Project and so is exempt from further review under CEQA Guidelines section 15262.

### **STRATEGIC PLAN NEXUS**

The award of this planning contract will help meet the Agency's Objective and Strategic Plan Objective D.1: "Achieve 100% compliance with all environmental regulations and standards" and Strategic Plan Objective D.2: "Proactively install, operate, and maintain groundwater treatment infrastructure to avoid impacts on water supply reliability (e.g. VOCs, perchlorate, PFAS, etc.)."

### **FINANCIAL CONSIDERATIONS**

The project is included in the Agency's FY 2023/24 Capital Improvements Projects Budget. The planning services would be performed on a time and expense basis with a not to exceed budget of \$346,000.

### **RECOMMENDATION**

That the Engineering and Operations Committee recommends that the Board of Directors approve (1) adopting the attached resolution authorizing a purchase order to Woodard & Curran, Inc for an amount not to exceed \$346,000 for planning services for the Lost Canyon, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Project and (2) finding that approval of the proposed action is exempt from the CEQA review, in accordance with CEQA Guidelines section 15262, because the project only involves feasibility or planning studies for possible future actions which the Agency has not approved, adopted, or funded.

Attachment

**RESOLUTION NO. SCV-XXX**

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE SANTA CLARITA VALLEY WATER AGENCY TO  
AUTHORIZE A PURCHASE ORDER TO WOODARD & CURRAN, INC FOR PLANNING  
SERVICES FOR THE LOST CANYON, SAND CANYON, AND MITCHELL 5B  
GROUNDWATER TREATMENT IMPROVEMENTS PROJECT, AND FINDING THAT THAT  
APPROVAL OF THE PROPOSED ACTION IS EXEMPT FROM CEQA REVIEW IN  
ACCORDANCE WITH CEQA GUIDELINES SECTION 15262**

**WHEREAS**, Santa Clarita Valley Water Agency (Agency) wishes to conduct feasibility and planning studies with regard to a potential Lost Canyon, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Project (Project), as it continues to work towards meeting its Strategic Plan Objectives D.1: “Achieve 100% compliance with all environmental regulations and standards” and D.2: “Proactively install, operate, and maintain groundwater treatment infrastructure to avoid impacts on water supply reliability (e.g. VOCs, perchlorate, PFAS, etc.)”; and

**WHEREAS**, the adoption of the resolution for a purchase order to Woodard & Curran, Inc for planning services for the Project authorizes the preparation of feasibility and planning studies, and does not constitute an approval for the construction of the Projects and so is exempt from further review under the California Environmental Quality Act (CEQA) Guidelines section 15262; and

**WHEREAS**, this resolution does not commit the Agency to any current or future projects, and does not entail any construction or other activity that could result in a potential physical change to the environment; and

**WHEREAS**, on May 26, 2023, the Agency issued a Request for Proposal (RFP) to six (6) of its on-call consultants on PlanetBids for planning services for the Lost Canyon and Sand Canyon Groundwater Treatment Improvements Project; and

**WHEREAS**, on May 30, 2023, the Agency issued a Request for Proposal (RFP) to seven (7) of its on-call consultants on PlanetBids for planning services for the Mitchell 5B Groundwater Treatment Improvements Project; and

**WHEREAS**, on June 28, 2023, proposals from two (2) consultants were electronically received on the Agency’s website page on PlanetBids pursuant to the Agency’s planning services RFP for the Lost Canyon and Sand Canyon Groundwater Treatment Improvements Project; and

**WHEREAS**, on July 19, 2023, proposals from two (2) consultants were electronically received on the Agency’s website page on PlanetBids pursuant to the Agency’s planning services RFP for the Mitchell 5B Groundwater Treatment Improvements Project; and

**WHEREAS**, it is in the Agency’s best interest that the Santa Clarita Valley Water Agency Board of Directors, authorizes it’s General Manager to award a purchase order to Woodard & Curran, Inc for planning services for the Lost Canyon, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Project in the not to exceed amount of \$346,000.

**NOW, THEREFORE, BE IT RESOLVED**, That the Santa Clarita Valley Water Agency Board of Directors does hereby find and determine as follows:

**SECTION 1.** RECITALS. The Board of Directors finds that the resolution does not constitute an approval for the construction of the Project and so is exempt from further review under CEQA Guidelines section 15262, that the administrative record has been completed in compliance with CEQA, the CEQA Guidelines, and that the CEQA findings reflect the Board of Director's independent judgment.

**SECTION 2.** LOCATION AND CUSTODIAN OF RECORDS. The documents and materials associated with the project that constitute the record of proceedings on which these findings are based can be requested from the Custodian of Record located at Santa Clarita Valley Water Agency, 27234 Bouquet Canyon Road, Santa Clarita, CA 91350. The Custodian of Record is the Board Secretary April Jacobs.

**RESOLVED FURTHER** that the Santa Clarita Valley Water Agency Board of Directors authorizes its General Manager to issue a purchase order to Woodard & Curran, Inc for planning services for the Lost Canyon, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Project for the not to exceed amount of \$346,000.



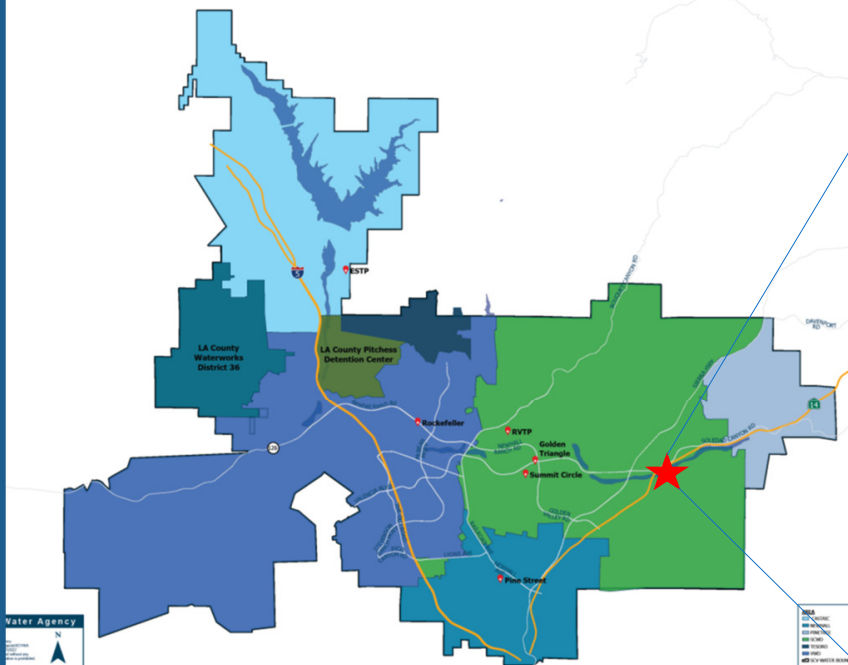


September 6, 2023

# Lost Canyon, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Planning Services

Engineering and Operations  
Committee Meeting

# Santa Clarita Valley Water Agency Service Area



Sand Canyon

Lost Canyon 2/2A

Mitchell 5B

[YOURSCVWATER.COM](http://YOURSCVWATER.COM)



# Lost Canyon, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Planning Services



Lost Canyon 2A (above)

- Drilled in 1989
- 1,000 gallon per minute (gpm) capacity
- Offline 7/3/2023

Lost Canyon 2 (not pictured)

- Drilled in 1965
- 800 gallon per minute (gpm) capacity
- Lost Canyon 2 may have a collapsed casing (Offline)

Sand Canyon (below)

- Drilled in 1973
- 1,200 gpm (Permit Capacity)
- Offline 7/3/2023



Mitchell 5B (above)

- Drilled in 2001
- 1,000 gpm (Permit Capacity)
- Offline 6/23/2023



# Lost Canyon, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Planning Services Project Location



YOURSCVWATER.COM



## Lost Canyon, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Planning Services Project Consultant Selection

- May 26, 2023 and May 30, 2023: Request for Proposal (RFP) on PlanetBids advertised
- June 28, 2023 and July 19, 2023: Two (2) proposals received
  - Woodard & Curran, Inc
  - Kennedy Jenks Consultants, Inc
- Evaluation Team: Engineering Services Section, Operations and Maintenance Department
- Woodard & Curran, Inc selected based on:
  - Responsiveness (conformance and compliance) to the RFP requirement
  - Project understanding
  - Project Approach
  - Responsibility (resources/capability/qualifications/availability) to perform the work
  - Scope of work
  - Schedule



# Lost Canyon, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Planning Services Project Budget

## Planning Budget:

- Proposed Budget for Planning is \$346,000
- FY 2023/24 CIP Budget for Planning is \$400,000

- (1) Strategic Plan Objective D.1: “Achieve 100% compliance with all environmental regulations and standards.”
- (2) Strategic Plan Objective D.2: “Proactively install, operate, and maintain groundwater treatment infrastructure to avoid impacts on water supply reliability (e.g. VOCs, perchlorate, PFAS, etc.).”



## Lost Canyon, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Planning Services Project Scope

- Project Meetings and Workshops
- Data Collection and Review
- Perform Topographical surveys
- Groundwater Treatment Improvement planning (land use, flood and seismic risk assessments, well rehabilitations, site layout, site accessibility, piping, electrical load analysis)
- Identification of easements, jurisdictional boundaries, future construction discharge quantities, and permit requirements
- Planning level design drawings and 3-d renderings
- Estimated Construction Costs



# Lost Canyon, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Planning Services Project Schedule

- Award Phase:
  - September 6, 2023: Engineering and Operations Committee
  - October 3, 2023: Board Meeting
- Planning Phase:
  - October 2023: Notice to Proceed
  - October 2023 to July 2024 (9 Months): Planning Services





## Lost Canyon, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Planning Services Project Recommendation

**That the Engineering and Operations Committee recommends that the Board of Directors:**

- A. Approve adopting a resolution authorizing the General Manager to execute a purchase order for planning services to Woodard & Curran, Inc for an amount not to exceed of \$346,000; and
- B. Find that approval of the proposed action is exempt from the CEQA review, in accordance with CEQA Guidelines Section 15262, because the project only involves feasibility or planning studies for possible future actions which the Agency has not approved, adopted, or funded.



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## COMMITTEE MEMORANDUM

**DATE:** August 23, 2023

**TO:** Engineering and Operations Committee

**FROM:** Courtney Mael, P.E. *CM*  
Chief Engineer

**SUBJECT:** Discuss and Provide Feedback on an Out-of-Agency Water Services Agreement with Paradise Ranch Estates Mobile Home Park and Recommend Advancing an Agreement to the Board for Full Consideration and Approval

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### SUMMARY

Paradise Ranch, LLC (Ranch) owns and operates Paradise Ranch Estates Mobile Home Park (Park). Ranch approached Santa Clarita Valley Water Agency (Agency) regarding the continued hauling of potable water outside the Agency's boundary.

Ranch has requested that the Agency enter into an Out-of-Agency Service Agreement (Agreement) to secure water for the Park. This includes all required California Environmental Quality Act (CEQA) analysis and approvals and Local Area Formation Commission (LAFCO) approval.

Staff is requesting input from the Committee on the proposed terms of the Agreement (Attachment 2) and a recommendation to advance the Agreement to the Board.

### DISCUSSION

Ranch owns and operates the Paradise Ranch Estates Mobile Home Park in Castaic, California. The Park is located upon the parcels of real property as shown in the attached map (Attachment 1). The Park consists of ninety-six (96) mobile homes pads (94 of which have mobile home units on them) and amenities, including a pool, clubhouse, children's playground, and basketball court. The Park was historically served by well water for domestic use and is in a remote location that is not served by a public or private water utility.

The Park was constructed over 50 years ago and was initially supplied with potable well water from onsite wells. There is also an onsite wastewater treatment and disposal system.

Over the years there have been ongoing challenges maintaining an adequate and sanitary water supply. At various times, the Los Angeles County Department of Public Health and the State Water Resources Control Board Division of Drinking Water have overseen and cited operation of the private onsite water system. As early as 1979 there are references to use of bottled water at the site due to well outages and/or water quality concerns.

In 2002, Newhall County Water District records indicate water was purchased from a floating construction meter and water was hauled to the site. This practice has continued to the present day with service provided by the Agency as the successor to the Newhall County Water District.

The amount of water purchased and hauled has varied from month to month and year to year.

In 2003, the Park owner at the time, which also owned other parcels nearby and had larger residential development aspirations, entered into discussions with Newhall County Water District and Castaic Lake Water Agency to annex into both for retail and wholesale service and water supply purposes. However, this initiative was not completed. Physical service to the property was evaluated at the time and would have required 6 to 7 miles of pipeline, a significant pumping lift, and related facilities. Due to the remote location, extending physical water service to the location appears economically infeasible and operationally difficult from a water quality and maintenance standpoint.

Currently, the Park hauls water from a hydrant near the end of the public water system (Delivery Point). Water taken from the Delivery Point is metered. Agency staff compiled purchase records from 2002-2023 to assess potential water purchases for the Park. The average annual purchase over the twenty-year period (excluding three years with data issues) is 15.4-acre feet and the maximum annual purchase was 23.9-acre feet. Since 2016 the annual purchase has been 14.1-acre feet with a maximum annual purchase (based on the current calendar year in progress) projected to be 21.3-acre feet.

The Ranch has not been able to develop a permanent alternative to hauling water and has requested a more formal agreement with Agency. Recent annual reports filed by the private onsite system operator with the State Water Resources Control Board for 2017 through 2022 show reported onsite well production has ranged from as little as 7.8-acre feet (2022) to 17.5-acre feet (2018) with a six-year average of 13.6-acre feet.

Water delivered to mobile home pads in the park is metered and customers are charged a rate set by the system operator reflecting a portion of their water operating costs. Reported onsite metered water sales are more consistent and ranged from 13.2 to 15.2 acre-feet with a six-year average of 14.2-acre feet. In reviewing total water production (well production plus hauled water volume) and water sales as reported in annual reports, there appears to be significant unaccounted for water. Some of this may be attributed to supply used for the community clubhouse and pool which is not metered, as well as fire suppression, dust control, system losses, or metering inaccuracies. It is possible that increased onsite system efficiency improvements could reduce the required volume of purchased hauled water if addressed.

As the Park is outside of the Agency's service area, a formal service arrangement requires the approval of LAFCO for the County of Los Angeles. On June 15, 2023, the Ranch applied to LAFCO for an Out-of-Agency Service Agreement pursuant to Government Code 56133(c) (Application) on the basis that the continued use of hauled water service from the Agency is necessary as a result of a threat to the health and safety of the residents of the Park in the absence of such water service.

The proposed term sheet includes provision for continued hauled water access and includes restrictions on resale or use of water at other locations. Both this proposed agreement term sheet and the LAFCO application specify that this out of area service agreement is not part of an annexation or intended to serve any expansion or further development of the Paradise Ranch mobile home park.

**CALIFORNIA ENVIRONMENTAL QUALITY ACT CONSIDERATIONS**

CEQA analysis and approval will be required as part of the Agreement.

**FINANCIAL CONSIDERATIONS**

None. The Ranch will be required to pay for all fees including staff time through a deposit agreement.

**RECOMMENDATION**

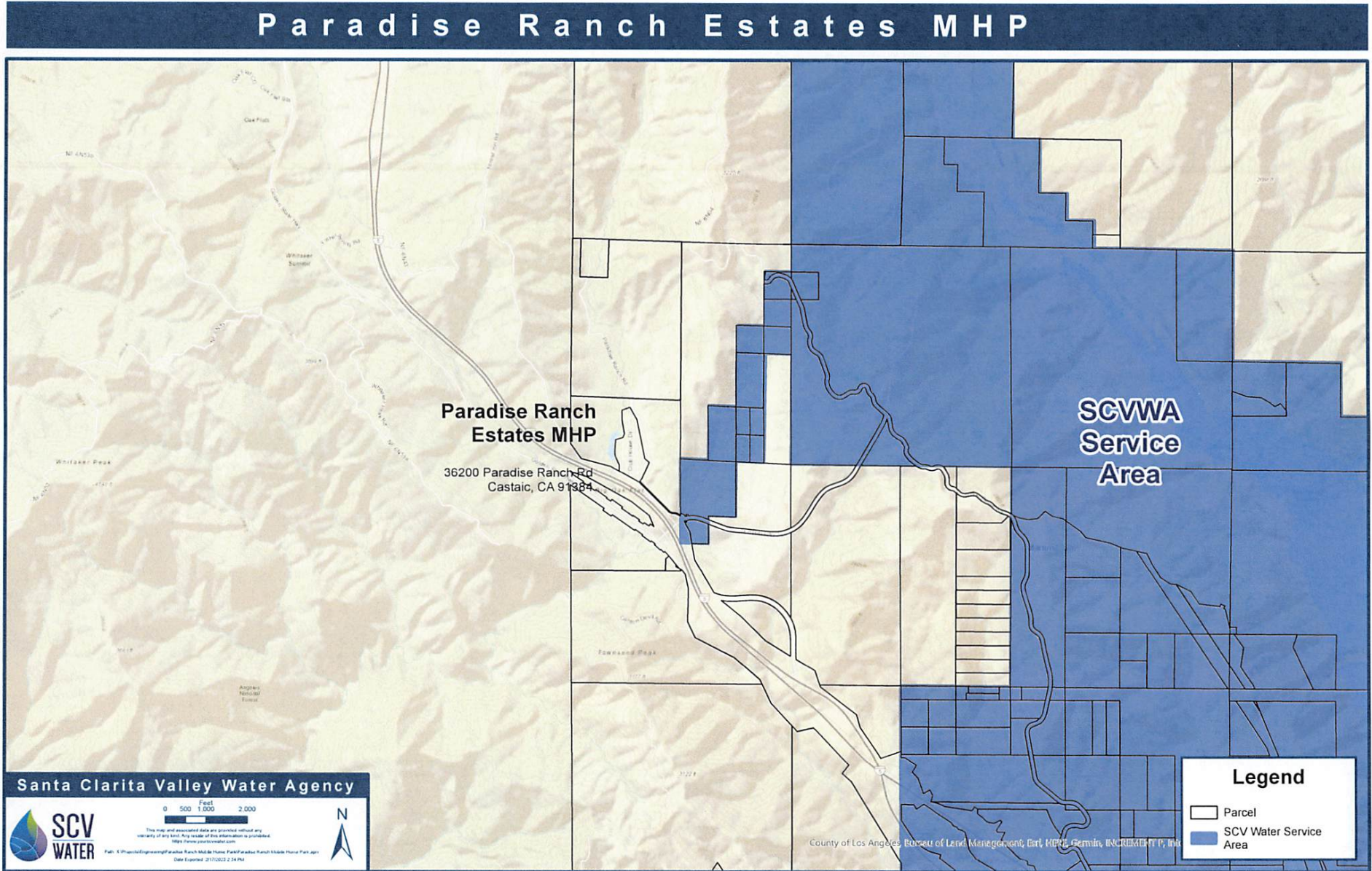
That the Engineering and Operations Committee discuss and provide feedback on an Out-of-Agency Water Service Agreement with Paradise Ranch Estates Mobile Home Park and provide a recommendation to advance the Agreement to the Board for full consideration and approval.

Attachments

M65

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# ATTACHMENT 1



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**ATTACHMENT 2**

**TERM SHEET  
for  
OUT-OF-AGENCY SERVICE AGREEMENT  
between  
PARADISE RANCH, LLC  
and  
SANTA CLARITA VALLEY WATER AGENCY**

**October [ ], 2023**

<b>Paradise Ranch, LLC ("Ranch")</b>	Ranch owns and operates the Paradise Ranch Estates Mobile Home Park in Castaic, California (" <b>Park</b> "). The Park is located upon the parcels of real property described on Exhibit "A" (" <b>Property</b> "). The Park consists of ninety-six (96) mobile homes pads (94 of which have mobile hom units on them) and amenities, including a pool, clubhouse, children's playground and basketball court. The Park was historically served by well water for domestic use and is in a remote location that is not served by a public or private water utility.
<b>Santa Clarita Valley Water Agency ("Agency")</b>	Agency provides domestic water service for residential and commercial use within its retail service area, as well as hauled water for construction use.
<b>History of Water Service</b>	<p>The Park was constructed over 50 years ago and was initially supplied with potable well water from onsite wells. There is also an onsite wastewater treatment and disposal system.</p> <p>Over the years there have been ongoing challenges maintaining an adequate and sanitary water supply. At various times, the Los Angeles County Department of Public Health and the State Water Resources Control Board Division of Drinking Water have overseen and cited operation of the private onsite water system. As early as 1979 there are references to use of bottled water at the site due to well outages and/or water quality concerns.</p> <p>In 2002, Newhall County Water District records indicate water was purchased from a floating construction meter and water was hauled to the site. This practice has continued to the present day with service provided by the Agency as the successor to the District. The amount of water purchased and</p>

	<p>hauled has varied from month to month and year to year.</p> <p>In 2003, the Park owner at the time, which also owned other parcels nearby and had larger residential development aspirations, entered into discussions with Newhall County Water District and Castaic Lake Water Agency to annex into both for retail and wholesale service and water supply purposes. However, this initiative was not completed. Physical service to the property was evaluated at the time and would have required 6 to 7 miles of pipeline, a significant pumping lift, and related facilities. Due to the remote location, extending physical water service to the location appears economically infeasible and operationally difficult from a water quality and maintenance standpoint.</p> <p>Currently, the Park hauls water from a hydrant at the location which is described on <u>Exhibit “B”</u> (“<b>Delivery Point</b>”). Water taken from the Delivery Point is metered. SCV Water staff compiled purchase records from 2002-2023 to assess potential water purchases for the Park. The average annual purchase over the twenty period (excluding three years with data issues) is 15.4 acre feet and the maximum annual purchase was 23.9 acre feet. Since 2016 the annual purchase is 14.1 acre feet with a maximum annual purchase (based on the current calendar year in progress) is projected to be 21.3 acre feet. Reference Exhibit “C” for a table presenting historical use patterns.</p> <p>The Ranch has not been able to develop a permanent alternative to hauling water and has requested a more formal agreement with Agency.</p> <p>As the Park is outside of Agency’s service area, a formal service arrangement requires the approval of LAFCO for the County of Los Angeles (“<b>LAFCO</b>”). On June 15, 2023, the Ranch applied to LAFCO for an Out-of-Agency Service Agreement pursuant to Government Code 56133(c) (“<b>Application</b>”) on the basis that the continued use of hauled water service from the Agency is necessary as a result of a threat to the health and safety of the residents of the Park in the absence of such water service.</p>
<p><b>Out-of-Area Service Agreement (“Agreement”)</b></p>	<p>The purpose of this Term Sheet is to set forth the material terms and conditions upon which Agency is willing to continue to provide hauled water service to the Park and Ranch is willing to accept such service, subject to the negotiation of the Agreement by Agency and Ranch in good</p>

	faith and the satisfaction of the conditions precedent set forth below.
<b>Conditions Precedent to Effectiveness of Agreement</b>	<p>The Agreement will be subject to the following conditions precedent:</p> <ol style="list-style-type: none"> <li>1. Approval of the Application by LAFCO;</li> <li>2. Approval of the Agreement by the governing board of Agency;</li> <li>3. Completion of all required CEQA analysis and approvals;</li> <li>4. No litigation shall have been filed challenging the approvals of the Application, Agreement and CEQA analysis; and</li> <li>5. Approval of the Agreement by the Ranch.</li> </ol>
<b>Deposit Agreement</b>	Ranch will enter into a deposit agreement with Agency to cover the reasonable costs and expenses of Agency with respect to the Agreement, including the costs of compliance with CEQA, [\$15,000]. Such deposit will be payable within thirty (30) days of the execution of this Term Sheet.
<b>Term and Termination</b>	<p>The term for the Agreement shall be for an initial period of twenty (20) years, subject to renewal for additional terms of twenty (20) years upon the mutual agreement of the parties.</p> <p>Either party may terminate the Agreement with cause if there is a breach of the Agreement and such breach is not cured within seventy-five (75) days of written notice thereof.</p> <p>Either party may terminate the Agreement effective on the date that the Park is connected to utility service by a local water utility. If the Park comes within the service area of a local water utility, it will apply for service with such utility and Agency reserves the right to set a reasonable deadline for requiring a transition to local utility service.</p>
<b>Delivery of Domestic Water</b>	Subject to the terms and conditions set forth in the Agreement, during the term, Agency will provide domestic water to the Ranch for use at the Park as a hauled water customer. Ranch will be solely responsible for the cost of hauling water from the Delivery Point. In no event will Agency be responsible for providing any separate infrastructure for the Ranch or to annex the Park into Agency's service territory. The parties may mutually agree to a different Delivery Point should the

	<p>Delivery Point become unavailable or a more favorable location is determined during the term of the Agreement.</p> <p>The Delivery Point may not be available from time to time due to scheduled or unscheduled maintenance, in which case Agency will provide a temporary alternative delivery point until the Delivery Point is back online.</p> <p>The delivery of water to the Park shall be solely for the domestic purposes set forth in the Agreement. The Agency shall not provide hauled water for use (i) on any undeveloped portion of the Property, (ii) for expansion of the Park beyond the existing units and community facilities; or (iii) at any other location owned by the Ranch.</p>
<p><b>No Water Service for Fire Protection</b></p>	<p>The Agency is not providing fire protection water service to the property. Ranch acknowledges that it is solely responsible for installation and maintenance of any required fire protection water storage and delivery systems at the site to protect the Park and related structures. Ranch will indemnify Agency from any claims arising out of fires that impact the Park structures or occupants.</p>
<p><b>Water System Infrastructure/Water Quality/Legal Compliance</b></p>	<p>Water delivered at the Delivery Point shall be potable water from the Agency’s potable water distribution system. Agency will have no responsibility for the quality of water after it has been loaded into the truck, nor for the means or method of storage and distribution of water to the residents, all such infrastructure falling within the exclusive control and operation of the Ranch. The Ranch, or the current holder of the water hauling permit, drinking water permit for the Park, or related permits, will have sole responsibility for the sanitary condition of the truck and the compliance of the Park’s onsite water storage and distribution system with federal, state and local drinking water requirements.</p>
<p><b>Quantity of Water</b></p>	<p>In no event will the amount of water delivered by Agency to the Ranch pursuant to the Agreement exceed [<b><i>25 acre feet (22,317 hundred cubic feet)</i></b>] in any annual period. Ranch acknowledges that this amount has been calculated based on the recent history of water usage by the Park (see Exhibit C) and that Ranch is responsible for ensuring that the Park maintains water conservation and efficiency measures.</p> <p>Agency reserves the right to curtail deliveries to the Ranch in the same manner as the curtailment of domestic water service to its other retail customers. The Agency may declare water</p>

	<p>supply shortages or stages of drought which require voluntary or mandatory water use restrictions and percentage curtailment of use and the introduction of conservation/water efficiency measures adopted by the Agency for its customers or which may be imposed by law or the orders of State or local agencies which have jurisdiction over water use by Agency customers. The Agency may further be required to order water use reductions or curtailment by Governor’s Executive Order or State Water Resources Control Board order or local Emergency orders.</p> <p>Similar to other Agency customers, the pressure and quantity of water available at the Delivery Point is subject to disruption as a result of events of force majeure or unforeseen system outages. If water service at the Delivery Point is unavailable due to the foregoing, then Agency will coordinate with the Ranch to provide a temporary alternate source of delivery, if reasonably available.</p>
<p><b>Restrictions on Use</b></p>	<p>All water provided by Agency to the Ranch will be subject to the following restrictions:</p> <ol style="list-style-type: none"> <li>1. It will be used solely for potable water use by the residents of the Park (not to exceed 96 mobile home units) and at the Park’s existing clubhouse and machine shop;</li> <li>2. It will be hauled, distributed and used in accordance with all federal, state and local laws, rules and regulations, including any health and safety requirements applicable to the provision of potable water for human consumption;</li> <li>3. It will not be used to expand pool, landscaping or other uses, provided, however, that the use of water by residents to water plants immediately adjacent to mobile homes will not be deemed a violation of this restriction;</li> <li>4. It will not be used at any location other than the Park or resold to any third party; and</li> </ol> <p>It will be subject to any additional restrictions or conditions set forth in any approval of the Application by LAFCO.</p>
<p><b>Water Charges</b></p>	<p>The Ranch will pay for service as follows:</p> <ol style="list-style-type: none"> <li>1. A monthly fixed meter charge based on the hydrant meter size and the applicable monthly meter charge for a multi-family class water service serving a similar</li> </ol>

	<p>number of units (for example a 2.5 inch multifamily meter service).</p> <ol style="list-style-type: none"> <li>2. A metered base commodity rate equivalent to the commodity rate charged to multi-family residential customers as in effect at any given time during the Term.</li> <li>3. An out of service area surcharge consisting of two components calculated to approximate the property tax contributions of customers within the service area: (1) the estimated property taxes assessed from the Agency’s share of the State Water Project specific tax – consisting of the agency set property tax rate for the State Water Project as same may change from time to time and based on the annual assessed valuation of the Property; and (2) the estimated Agency share of property taxes assessed as part of the general 1% tax, as the same may change from time to time and based on the annual assessed value of the Property. It being understood that the Ranch would be assessed this tax if it were within the service boundaries of the Agency. Reference Exhibit D for a sample calculation of the annual out of service area surcharge. Reference Exhibit D for a sample calculation of the annual out of service area surcharge.</li> <li>4. Such other fees and charges as may be adopted from time to time that are generally applicable to retail customers (such as water supply or energy surcharges that are not included in the base commodity rate) and that would be applicable to the Ranch if the Park were a multi-family residential customer.</li> </ol>
<b>Permits and Approvals</b>	The effectiveness of the Agreement will be subject to Agency and Ranch receiving all necessary permits and approvals, including the approval of the Application by LAFCO.
<b>Indemnity by Ranch</b>	The Ranch will indemnify and defend Agency, its elected officials, officers, agents and employees, from any and all liability arising from the delivery and use of water provided by Agency at the Park, except for liability arising as a result of a documented failure of the water provided by the Agency to meet applicable water quality standards for domestic water at the Delivery Point.
<b>Service, Billing and Payment</b>	The Ranch will be subject to the Agency Customer Service Policy as in effect at any given time during the Term.

*Signature Page Follows*

Agency and Ranch acknowledge and agree that the terms and conditions set forth herein are based on the intent of the parties and to provide the basis for the drafting and negotiation of a long term Out-of-Area Service Agreement. Neither party will be bound by this Term Sheet until a mutually acceptable Agreement has been signed.

SANTA CLARITA VALLEY WATER AGENCY

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

PARADISE RANCH, LLC

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

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State Water Resources Control Board  
Division of Drinking Water

August 25, 2023

Mr. Matt Stone  
General Manager  
Santa Clarita Valley Water Agency  
27234 Bouquet Canyon Road  
Santa Clarita, CA 91350

Dear Mr. Stone:

**SYSTEM NO. 1910099—PARADISE RANCH MOBILE HOME PARK, MAXIMUM DAY DEMAND AND ADEQUACY OF SUPPLY**

On Wednesday, August 2, 2023, the State Water Resources Control Board—Division of Drinking Water (Division) met with representatives of your agency and others (detailed below) to discuss the water needs of the Paradise Ranch Mobile Home Park (Park). The following representatives were present during our meeting:

1. From Los Angeles Local Agency Formation Commission (LAFCO), Ms. Alisha O'Brien (Government Analyst) and Ms. Adriana Romo (Deputy Executive Director)
2. From the Division of Drinking Water, Juan Arriola (Associate Sanitary Engineer)
3. From Santa Clarita Water Agency, Matt Stone (General Manager) and Steve Cole, (Assistant General manager)
4. From the Paradise Ranch Mobile Home Park, Bo Zarnegin (Owner), Robert Cole (Resident Manager), and Mary Orr (Regional Manager)

The Division has had regulatory oversight of the Park since approximately 1989. With under 200 service connections, the Park should be under the regulatory oversight of the Los Angeles Department of Public Health (LADPH). However, because of noncompliance issues in the past with LADPH, the Park was transferred to the Division. Since then, the Park has gone through various ownership groups as well as a series of natural disasters (floods, mudslides, fires, droughts) that have impacted water quality and sources. Currently, the Park has 95 metered service connections and services approximately 360 residents. The Park's water supply consists of groundwater wells that are low producers (5-10 gpm) and goes through treatment. The Park is currently in the process of permitting a new reverse osmosis treatment to replace the old existing treatment system.

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E. JOAQUIN ESQUIVEL, CHAIR | EILEEN SOBECK, EXECUTIVE DIRECTOR

500 North Central Avenue, Suite 500, Glendale, CA 91203 | [www.waterboards.ca.gov](http://www.waterboards.ca.gov)

In accordance with the California Waterworks Standards per California Code of Regulations (CCR), Title 22, Section 64554, a public water system's water sources shall have the capacity to meet the system's maximum day demand (MDD) at all times.

According to the California Waterworks Standards, if the daily water usage data are available, MDD would be determined by identifying the day with the highest usage during the past ten years. For purposes of this calculation, data is available for the last six years. Table 1 below compiles the water usage data obtained from the annual reports that were submitted to the Division from 2017 to 2022. The highest daily usage during the past six years was 50,500 gallons in 2017. Therefore, the MDD is determined to be 50,500 gallons.

**Table 1: Water Usage over the six years (2017 to 2022)**

Year	Annual Water Production (gallons)			Daily Max. (gallons)
	Produced	Purchased	Total	
2017	3,979,045	4,976,000	8,955,045	50,500
2018	5,713,439	3,705,600	9,419,039	48,965
2019	5,550,805	4,475,800	10,026,605	50,371
2020	5,102,796	3,571,200	8,673,996	50,386
2021	3,815,729	4,204,800	8,020,529	49,055
2022	2,527,385	6,454,400	8,981,785	48,517

To determine whether the water system can meet the MDD, the source capacity is determined by adding 1) combined pumping capacity of the groundwater wells, and 2) combined capacity of the hauled (purchased) water that is delivered to the system.

- 1) The combined pumping capacity of the groundwater wells is about 15,000 gallons per day (gpd).
- 2) The combined capacity of hauled water is about 11 truckloads per day at 3,500 gallons or 38,500 gpd

Therefore, the combined source capacity is 53,500 gpd, which is more than enough capacity to meet the MDD of 50,500 gpd. In conclusion, the Park would not have the ability to serve its resident population without the hauled water source. The Division highly encourages the Park to use local groundwater production with appropriate treatment, but due to the unique characteristics of the Park, the use of hauled water will continue to be another source for the Park. If you have any questions, please contact Mr. Juan Arriola at (818) 551-2034 or myself at (818) 551-2016).

Mr. Matt Stone

- 3 -

August 25, 2023

Sincerely,

Chi Diep

Digitally signed by  
Chi Diep

Date: 2023.08.25

13:54:51 -07'00'

Chi Diep, P.E.

District Engineer

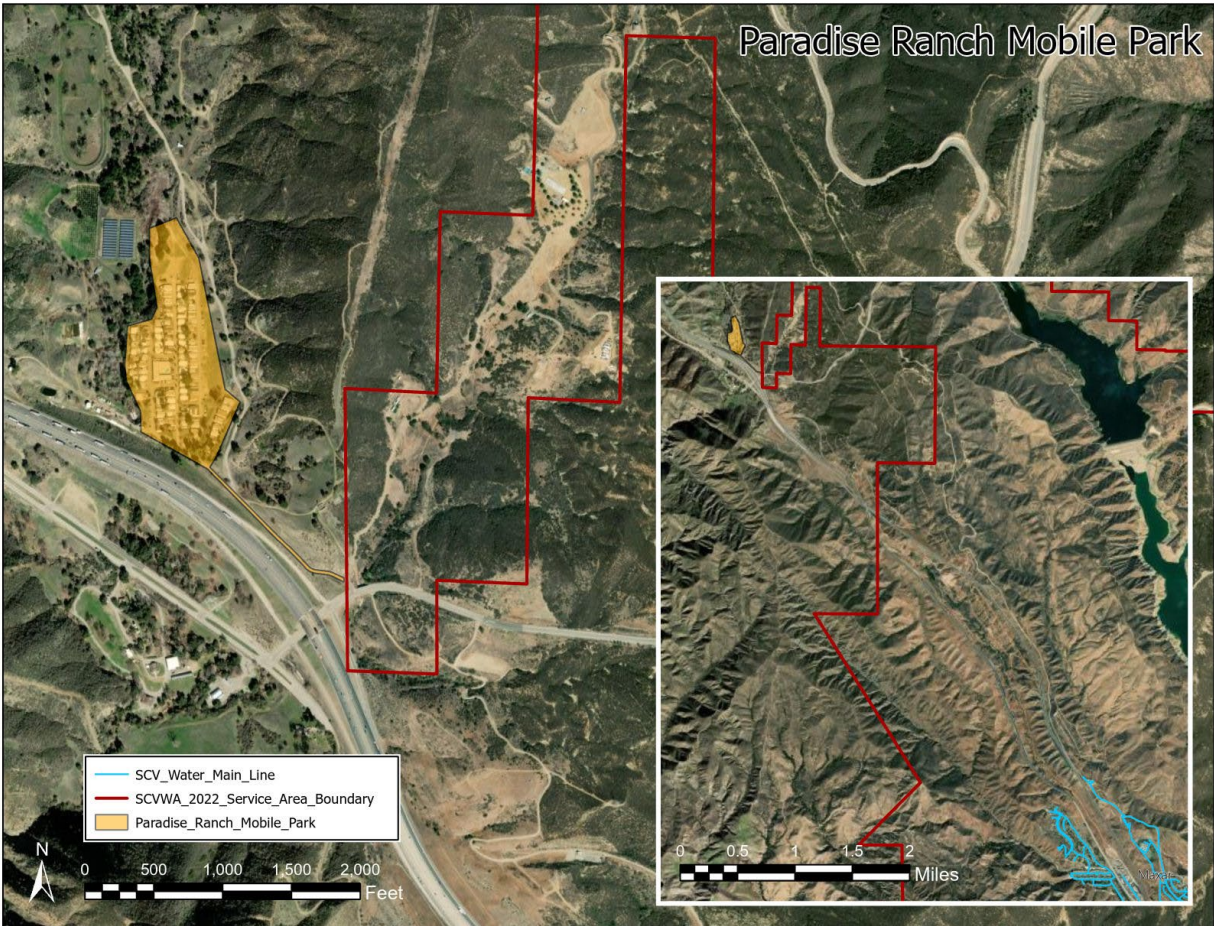
Metropolitan District

Cc: Bo Zarnegin (via email)  
Adriana Romo, LAFCO (via email)

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EXHIBIT A

MAP OF PARK PARCELS & PICTURES OF ON-SITE WATER SYSTEM





On-Site Water Tank



One of Five On-Site Water Wells



On-Site Pumping System



On-Site Reverse Osmosis Well Treatment System

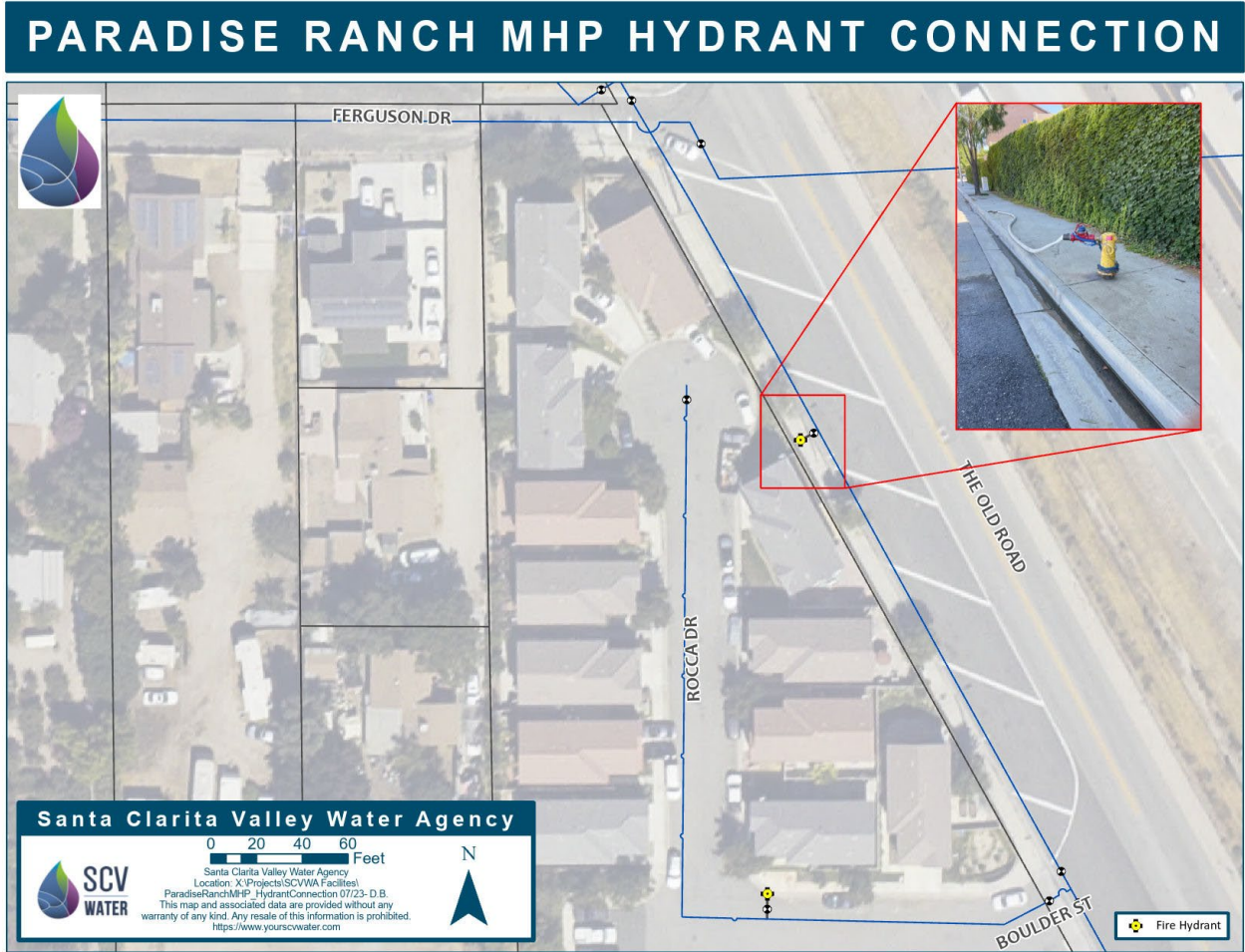


Overview of On-Site Tank Location



EXHIBIT B

LOCATION OF DELIVERY POINT





Paradise Ranch Potable Water Truck



Potable Water Hauling Vehicle License

# EXHIBIT C

## WATER USE HISTORY

Water Hauling Analysis						
Paradise Ranch Mobile Home Park						
Historic Water Hauling Records						
Year	CCF/Year	Gallons/Year	AF/Year	Gal/Day	Gal/Space/Day	
2002*	1,960	1,466,080	4.5	4,389	47	
2003	4,594	3,436,312	10.5	9,415	100	
2004	10,039	7,509,172	23.0	20,573	219	
2005	6,822	5,102,856	15.7	13,980	149	
2006	7,561	5,655,628	17.4	15,495	165	
2007	8,472	6,337,056	19.4	17,362	185	
2008	10,432	7,803,136	23.9	21,378	227	
2009	8,241	6,164,268	18.9	16,888	180	
2010	4,415	3,302,420	10.1	9,048	96	
2011	5,291	3,957,668	12.1	10,843	115	
2012	4,591	3,434,068	10.5	9,408	100	
2013**	16,371	12,245,508	37.6	33,549	357	
2014**	11,828	8,847,344	27.2	24,239	258	
2015**	7,579	5,669,092	17.4	15,532	165	
2016	5,485	4,102,780	12.6	11,240	120	
2017	5,985	4,476,780	13.7	12,265	130	
2018	4,465	3,339,820	10.3	9,150	97	
2019	6,412	4,796,176	14.7	13,140	140	
2020	3,973	2,971,804	9.1	8,142	87	
2021	5,318	3,977,864	12.2	10,898	116	
2022	8,237	6,161,276	18.9	16,880	180	
2023***	5,409	4,045,932	21.3	19,266	205	
Average	7,251	5,423,757	17.1	15,264	162	Included RMR Data
Max	16,371	12,245,508	37.6	33,549	357	Included RMR Data
Average*	6,479	4,846,317	15.4	13,748	146	Excludes years with RMR data
Max*	10,432	7,803,136	23.9	21,378	227	Excludes years with RMR data

\* Approximately 11 months in 2002  
 \*\* RMR Hauling Records may include other uses in 2013-2015. Demand for MHP likely overstated.  
 \*\* Through July of 2023. GPD based on 210 days (7 months), AF/YR prorated to full year for comparison.

Assumes 94 Mobile Home Spaces

EXHIBIT D

OUT OF SERVICE AREA ANNUAL SURCHARGE CALCULATION

<u>Assessed Value</u>				
	2023 Roll Prep	2022 Current Roll	Year	2010 Base Year
Land	\$48,623.00	\$48,650.00	2022	\$43,615.00
Improvements	\$1,240,694.00	\$1,216,367.00	2010	\$1,090,407.00
<b>Total</b>	<b>\$1,289,317.00</b>	<b>\$1,265,017.00</b>		<b>\$1,134,022.00</b>
<u>Out of Area Surcharge Calculation</u>				
	Tax Year 2023 Assessed Value	Agency Set Advolorem Tax per \$100 of Assessed Value	SCVWA share of County 1% Set Tax	Total
Agency Set	\$1,289,317.00	0.0706		\$910.26
<b>Account Numbers</b>				
County 1% Set	\$1,289,317.00	302.01 SANTA CLARITA VALLEY WATER-CLWA	0.060695358	\$782.56
		309.01 SANTA CLARITA VALLEY WATER-NCW	0.001298861	\$16.75
		309.04 STA CLRITA VALLEY WTR-NCWD1	0.046711014	\$602.25
<b>Total Estimated Annual Surcharge</b>				<b>\$2,311.81</b>

ANNEXATION TO: STA CLRITA VLY SANIT DIS OF LA CO  
 ACCOUNT NUMBER: 067.35  
 TRA: 10701  
 EFFECTIVE DATE: 07/01/2023  
 ANNEXATION NUMBER: 1122 PROJECT NAME: A-SCV-1122  
 DISTRICT SHARE: 0.017375930

ACCOUNT #	TAXING AGENCY	CURRENT TAX SHARE	PERCENT	PROPOSED DIST SHARE	ALLOCATED SHARE	ADJUSTMENTS	NET SHARE
001.05	LOS ANGELES COUNTY GENERAL	0.188097545	18.8109 %	0.017375930	0.003268381	-0.003345627	0.184751918
001.20	L.A. COUNTY ACCUM CAP OUTLAY	0.000123116	0.0123 %	0.017375930	0.000002139	0.000000000	0.000123116
003.01	L A COUNTY LIBRARY	0.025666869	2.5666 %	0.017375930	0.000445985	-0.000445985	0.025220884
005.25	ROAD DIST # 5	0.006785392	0.6785 %	0.017375930	0.000117902	-0.000117902	0.006667490
007.30	CONSOL. FIRE PRO.DIST.OF L.A.CO.	0.185810671	18.5810 %	0.017375930	0.003228633	-0.003228633	0.182582038
007.31	L A C FIRE-FFW	0.004322519	0.4322 %	0.017375930	0.000075107	0.000000000	0.004322519
030.10	L.A.CO.PL.CON.DR.IMP.DIST.MAINT.	0.001947099	0.1947 %	0.017375930	0.000033832	-0.000033832	0.001913267
030.70	LA CO FLOOD CONTROL MAINT	0.011019301	1.1019 %	0.017375930	0.000191470	-0.000191470	0.010827831
061.80	GREATER L A CO VECTOR CONTROL	0.000322714	0.0322 %	0.017375930	0.000005607	-0.000005607	0.000317107
068.05	ANTELOPE VY RESOURCE CONSER DIST	0.000000000	0.0000 %	0.017375930	0.000000000	0.000000000	0.000000000
302.01	SANTA CLARITA VALLEY WATER-CLWA	0.061768645	6.1768 %	0.017375930	0.001073287	-0.001073287	0.060695358
309.01	SANTA CLARITA VALLEY WATER-NCW	0.001321829	0.1321 %	0.017375930	0.000022968	-0.000022968	0.001298861
309.04	STA CLRITA VALLEY WTR-NCWD1	0.047517014	4.7517 %	0.017375930	0.000825999	-0.000825999	0.046711014
400.00	EDUCATIONAL REV AUGMENTATION FD	0.078208979	7.8208 %	0.017375930	0.001358953	EXEMPT	0.078208979
400.01	EDUCATIONAL AUG FD IMPOUND	0.131877650	13.1877 %	0.017375930	0.002291496	EXEMPT	0.131877650
400.15	COUNTY SCHOOL SERVICES	0.001526050	0.1526 %	0.017375930	0.000026516	EXEMPT	0.001526050
400.21	CHILDREN'S INSTIL TUITION FUND	0.003028754	0.3028 %	0.017375930	0.000052627	EXEMPT	0.003028754
440.01	CASTAIC UNION SCHOOL DISTRICT	0.063786668	6.3786 %	0.017375930	0.001108352	EXEMPT	0.063786668
440.06	CO.SCH.SERV.FD.- CASTAIC UNION	0.012423667	1.2423 %	0.017375930	0.000215872	EXEMPT	0.012423667



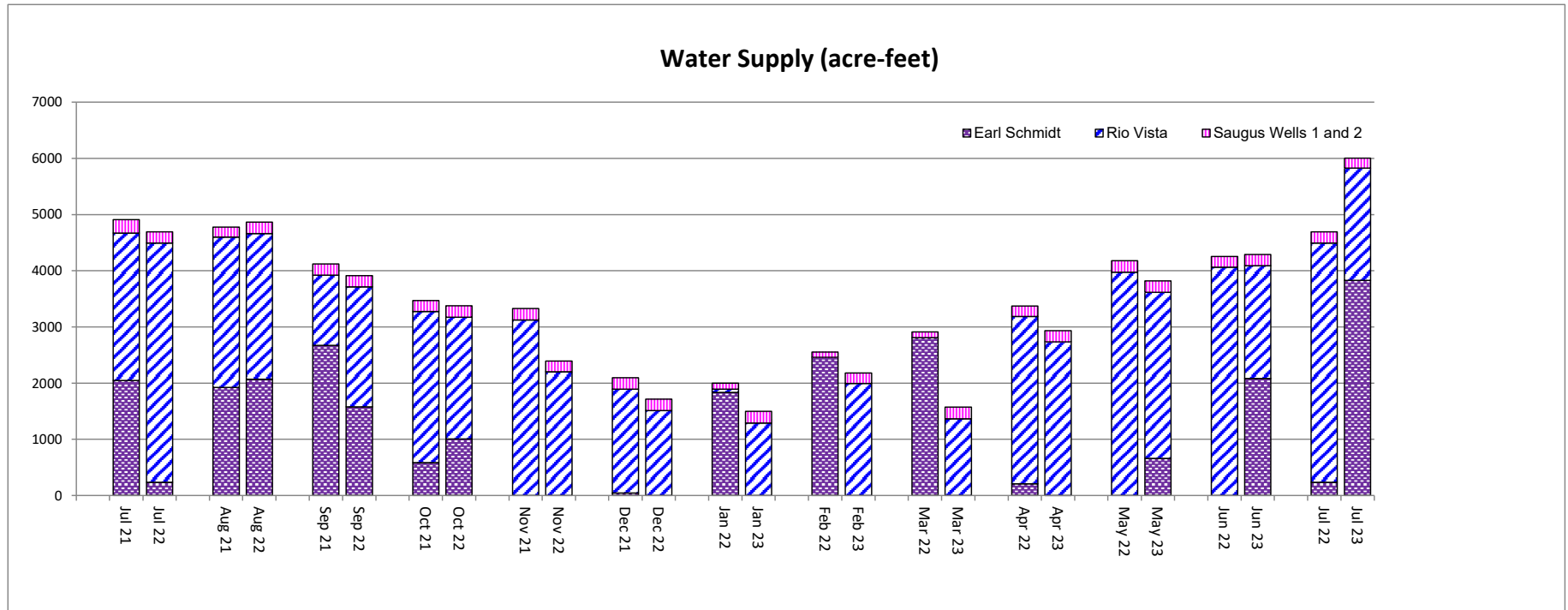
# Monthly Operations & Production Report

July 2023

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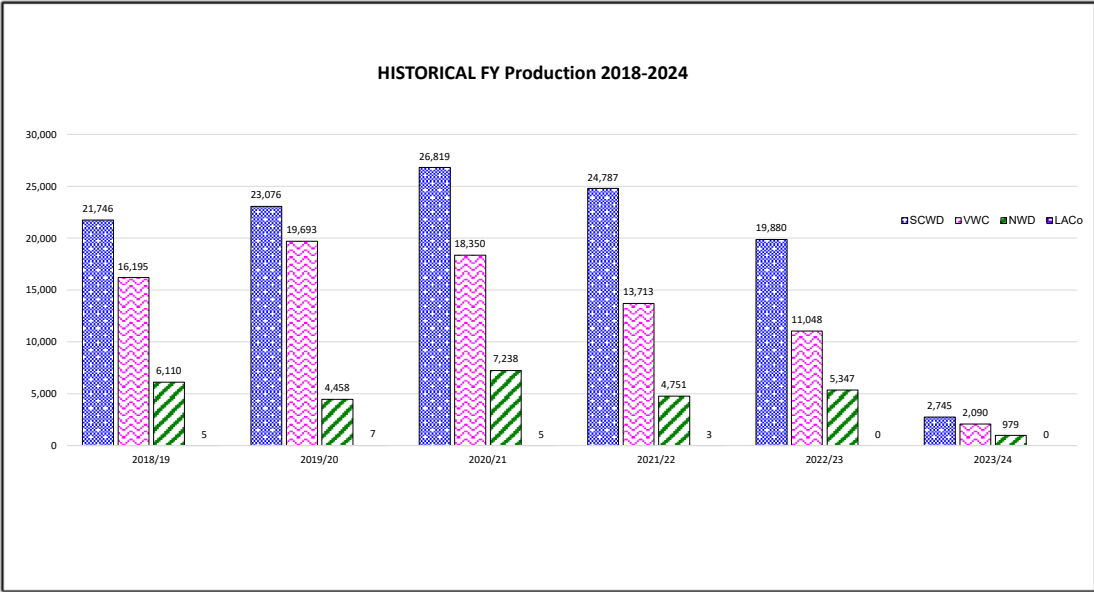
## SANTA CLARITA VALLEY WATER AGENCY

### July 2023 Regional Operations Report



Source	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Total
Earl Schmidt	234	2068	1576	874	0	0	0	0	0	1	661	2084	3829	11327
Rio Vista	4257	2595	2140	2167	2200	1513	1291	1994	1368	2735	2955	2005	2000	29220
Saugus 1 and 2	203	205	196	204	196	204	204	186	207	198	204	198	178	2583
<b>Total</b>	<b>4694</b>	<b>4868</b>	<b>3912</b>	<b>3245</b>	<b>2396</b>	<b>1717</b>	<b>1495</b>	<b>2180</b>	<b>1575</b>	<b>2934</b>	<b>3820</b>	<b>4287</b>	<b>6007</b>	<b>43129</b>
<b>Total Sold</b>	<b>4759</b>	<b>4720</b>	<b>3685</b>	<b>3290</b>	<b>2339</b>	<b>1721</b>	<b>1383</b>	<b>2079</b>	<b>1470</b>	<b>2873</b>	<b>3757</b>	<b>4199</b>	<b>5814</b>	<b>42089</b>
RVWTP Use/Storage	83.45	32.6	25.22	42.63	33.74	21.04	16.55	-19.31	51.13	-13.78	6.44	-12.01	52.36	320
<b>Total Use</b>	<b>4842.45</b>	<b>4752.6</b>	<b>3710.22</b>	<b>3332.63</b>	<b>2372.74</b>	<b>1742.04</b>	<b>1399.55</b>	<b>2059.69</b>	<b>1521.13</b>	<b>2859.22</b>	<b>3763.3</b>	<b>4186.94</b>	<b>5866.28</b>	<b>42409</b>
Water Loss	3.16%	-2.37%	-5.16%	2.70%	-0.97%	1.46%	-6.38%	-5.52%	-3.42%	-2.54%	-1.48%	-2.33%	-2.34%	0
<b>Recycled Water</b>	<b>Jul-22</b>	<b>Aug-22</b>	<b>Sep-22</b>	<b>Oct-22</b>	<b>Nov-22</b>	<b>Dec-22</b>	<b>Jan-23</b>	<b>Feb-23</b>	<b>Mar-23</b>	<b>Apr-23</b>	<b>May-23</b>	<b>Jun-23</b>	<b>Jul-23</b>	
Valencia	43	49	46	38	36	10	0.9	0.3	5.6	0.2	17.9	33	27	307

\* Water loss includes water usage at Rio Vista Water Treatment Plant facilities and system storage.



### HISTORICAL FY PRODUCTION 2018-2024

2018/19	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,694	2,816	2,535	2,174	1,882	1,274	1,110	493	1,177	1,770	1,632	2,189	21,746
VWD	1,921	2,026	1,743	1,300	1,084	459	513	232	1,205	1,819	1,701	2,193	16,195
NWD	1,023	1,012	881	537	382	214	181	76	352	428	422	603	6,110
LACo	1	0	0	1	0	0	1	1	0	0	0	0	5
<b>Total</b>	<b>5,639</b>	<b>5,855</b>	<b>5,160</b>	<b>4,011</b>	<b>3,349</b>	<b>1,947</b>	<b>1,805</b>	<b>802</b>	<b>2,735</b>	<b>4,016</b>	<b>3,754</b>	<b>4,985</b>	<b>44,057</b>
<b>Cum. FYTD</b>	<b>5,639</b>	<b>11,494</b>	<b>16,654</b>	<b>20,665</b>	<b>24,014</b>	<b>25,961</b>	<b>27,766</b>	<b>28,567</b>	<b>31,302</b>	<b>35,318</b>	<b>39,072</b>	<b>44,057</b>	
2019/20	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,610	2,743	2,475	2,310	1,845	980	1,207	1,416	1,212	1,368	2,358	2,552	23,076
VWD	2,491	2,518	2,348	2,145	1,526	604	957	762	919	1,066	2,171	2,186	19,693
NWD	721	518	492	422	280	130	188	232	177	226	475	597	4,458
LACo	2	0	0	1	1	1	1	0	0	0	0	0	7
<b>Total</b>	<b>5,823</b>	<b>5,779</b>	<b>5,316</b>	<b>4,879</b>	<b>3,651</b>	<b>1,715</b>	<b>2,353</b>	<b>2,411</b>	<b>2,309</b>	<b>2,660</b>	<b>5,004</b>	<b>5,336</b>	<b>47,234</b>
<b>Cum. FYTD</b>	<b>5,823</b>	<b>11,602</b>	<b>16,918</b>	<b>21,796</b>	<b>25,448</b>	<b>27,162</b>	<b>29,515</b>	<b>31,926</b>	<b>34,235</b>	<b>36,894</b>	<b>41,898</b>	<b>47,234</b>	
2020/21	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,849	3,117	2,792	2,470	1,907	1,907	1,548	1,423	1,590	2,080	2,428	2,709	26,819
VWD	2,316	2,257	2,115	1,915	1,653	1,324	904	892	962	1,233	1,383	1,395	18,350
NWD	882	999	963	584	490	375	313	347	318	573	689	705	7,238
LACo	0	0	0	0	0	0	0	0	0	0	0	0	5
<b>Total</b>	<b>6,048</b>	<b>6,373</b>	<b>5,870</b>	<b>4,970</b>	<b>4,050</b>	<b>3,605</b>	<b>2,766</b>	<b>2,662</b>	<b>2,871</b>	<b>3,887</b>	<b>4,500</b>	<b>4,809</b>	<b>52,413</b>
<b>Cum. FYTD</b>	<b>6,048</b>	<b>12,422</b>	<b>18,292</b>	<b>23,262</b>	<b>27,312</b>	<b>30,918</b>	<b>33,683</b>	<b>36,346</b>	<b>39,216</b>	<b>43,103</b>	<b>47,603</b>	<b>52,413</b>	
2021/22	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,950	2,924	2,593	2,053	1,941	1,255	1,331	1,547	1,800	1,865	2,217	2,311	24,787
VWD	1,381	1,439	1,386	1,172	1,158	690	634	799	984	1,040	1,540	1,489	13,713
NWD	700	705	581	358	291	167	140	247	292	338	453	480	4,751
LACo	1	1	0	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>5,030</b>	<b>5,070</b>	<b>4,559</b>	<b>3,585</b>	<b>3,390</b>	<b>2,113</b>	<b>2,106</b>	<b>2,593</b>	<b>3,075</b>	<b>3,243</b>	<b>4,210</b>	<b>4,279</b>	<b>43,253</b>
<b>Cum. FYTD</b>	<b>5,030</b>	<b>10,100</b>	<b>14,660</b>	<b>18,244</b>	<b>21,634</b>	<b>23,747</b>	<b>25,852</b>	<b>28,445</b>	<b>31,521</b>	<b>34,764</b>	<b>38,974</b>	<b>43,253</b>	
2022/23	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,536	2,603	2,202	2,047	1,398	1,039	850	1,129	799	1,494	1,820	1,963	19,880
VWD	1,664	1,667	1,119	818	580	399	263	506	307	841	1,330	1,554	11,048
NWD	558	451	364	425	360	284	270	444	364	538	607	683	5,347
LACo	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4,759</b>	<b>4,720</b>	<b>3,685</b>	<b>3,290</b>	<b>2,339</b>	<b>1,721</b>	<b>1,383</b>	<b>2,079</b>	<b>1,470</b>	<b>2,873</b>	<b>3,757</b>	<b>4,199</b>	<b>36,275</b>
<b>Cum. FYTD</b>	<b>5,030</b>	<b>10,100</b>	<b>14,660</b>	<b>18,244</b>	<b>21,634</b>	<b>23,747</b>	<b>25,852</b>	<b>28,445</b>	<b>31,521</b>	<b>34,764</b>	<b>38,974</b>	<b>43,253</b>	
2023/24	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
SCWD	2,745	0	0	0	0	0	0	0	0	0	0	0	2,745
VWD	2,090	0	0	0	0	0	0	0	0	0	0	0	2,090
NWD	979	0	0	0	0	0	0	0	0	0	0	0	979
LACo	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>5,814</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,814</b>
<b>Cum. FYTD</b>	<b>5,814</b>	<b>5,814</b>	<b>5,814</b>	<b>5,814</b>	<b>5,814</b>	<b>5,814</b>	<b>5,814</b>	<b>5,814</b>	<b>5,814</b>	<b>5,814</b>	<b>5,814</b>	<b>5,814</b>	

\*Total does not include recycled water.



**Santa Clarita Valley Water Agency**  
**Summary of Annual Precipitation**  
**October 1st through September 30th**  
**(Total in Inches)**

	<i>2001-02</i>	<i>2002-03</i>	<i>2003-04</i>	<i>2004-05</i>	<i>2005-06</i>	<i>2006-07</i>	<i>2007-08</i>	<i>2008-09</i>	<i>2009-10</i>	<i>2010-11</i>	<i>2011-12</i>
October	0.22	0.00	1.10	4.79	1.91	0.42	0.25	0.09	4.04	1.34	1.97
November	3.18	3.01	0.63	0.64	0.59	0.05	0.50	1.78	0.08	1.87	2.50
December	1.30	5.85	2.57	8.54	0.14	0.83	2.67	3.01	4.28	11.97	1.19
January	1.55	0.00	0.65	17.06	3.27	1.66	17.54	0.69	9.13	0.96	1.23
February	0.51	9.03	8.07	16.69	3.78	1.38	1.82	6.78	4.96	5.36	0.13
March	0.38	2.38	0.37	2.70	5.68	0.17	0.10	1.18	0.69	8.86	4.99
April	0.05	2.35	0.20	1.42	4.22	0.71	0.07	0.07	2.40	0.12	4.02
May	0.12	1.70	0.00	0.45	0.99	0.00	0.17	0.01	0.07	0.74	0.01
June	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.04	0.00
July	0.00	0.02	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.01	0.00
August	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.01
September	0.02	0.00	0.00	0.17	0.00	1.32	0.00	0.00	0.00	0.00	0.02
<b>TOTAL</b>	<b>7.34</b>	<b>24.34</b>	<b>13.59</b>	<b>52.55</b>	<b>20.58</b>	<b>6.58</b>	<b>23.12</b>	<b>13.64</b>	<b>25.65</b>	<b>31.27</b>	<b>16.07</b>
	<i>2012-13</i>	<i>2013-14</i>	<i>2014-15</i>	<i>2015-16</i>	<i>2016-17</i>	<i>2017-18</i>	<i>2018-19</i>	<i>2019-20</i>	<i>2020-21</i>	<i>2021-22</i>	<i>2022-23</i>
October	0.15	0.11	0.32	0.17	0.43	0.00	0.52	0.01	0.04	1.22	0.08
November	2.20	1.41	0.64	0.21	1.49	0.06	1.87	2.61	0.14	0.04	1.89
December	1.54	0.37	6.16	0.49	3.44	0.01	2.77	5.12	1.40	13.86	6.02
January	1.94	0.06	1.44	6.07	10.30	3.18	8.08	0.54	2.08	0.40	10.20
February	0.42	5.26	0.74	0.69	8.98	0.35	8.56	0.12	0.03	0.00	8.82
March	1.21	1.64	1.09	2.75	0.33	7.50	4.15	5.81	0.84	1.96	6.73
April	0.00	0.31	0.16	0.37	0.09	0.02	0.09	4.45	0.01	0.12	0.00
May	0.74	0.00	0.66	0.09	0.26	0.01	1.60	0.16	0.00	0.00	0.67
June	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00
July	0.08	0.02	0.87	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
August	0.00	0.05	0.00	0.02	0.07	0.00	0.00	0.00	0.03	0.00	
September	0.00	0.00	0.78	0.00	0.13	0.02	0.03	0.01	0.00	0.12	
<b>TOTAL</b>	<b>8.28</b>	<b>9.23</b>	<b>12.87</b>	<b>10.87</b>	<b>25.53</b>	<b>11.15</b>	<b>27.68</b>	<b>18.84</b>	<b>4.57</b>	<b>17.72</b>	<b>34.41</b>

Data Source: 2000 - February 2022 SCV Water's Pine Street office; March 2022 onward L.A. County Department of Public Works Newhall - Soledad Canyon Rain Gauge

SANTA CLARITA VALLEY WATER AGENCY  
 WATER PRODUCTION 2023 (ACRE-FEET)

<b>GROUNDWATER - ALLUVIUM</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>TOTAL</b>
C1	19	1	0	0	1	13	10						44
C2	8	3	0	0	1	7	5						23
C7	25	9	0	0	2	20	15						71
CLARK	0	0	0	0	0	0	0						0
D	0	0	0	0	0	0	0						0
E15	54	26	9	8	31	11	9						148
E17	52	37	19	7	22	8	8						152
GUIDA	32	18	7	11	24	15	21						128
HONBY	0	0	0	0	0	0	0						0
LOST CANYON NO.2	0	0	0	0	0	0	0						0
LOST CANYON NO.2A	19	18	10	21	37	43	3						151
MITCHELL 5B	0	0	0	1	0	0	0						2
N	117	108	124	123	109	94	112						786
N7	235	139	132	158	165	203	189						1222
N8	76	127	174	162	157	71	119						887
NORTH OAKS CENTRAL	0	0	0	0	0	0	0						1
NORTH OAKS EAST	0	0	0	0	0	0	0						0
NORTH OAKS WEST	0	0	0	0	0	0	0						0
P1	0	0	0	0	0	0	0						0
P3	0	0	0	0	0	0	0						0
P4	0	0	0	0	0	0	0						0
P5	0	0	0	0	0	0	0						0
Q2	0	0	0	0	0	18	30						48
S6	0	0	0	0	0	0	0						0
S7	0	0	0	0	0	0	0						0
S8	0	0	0	0	0	1	1						2
SAND CANYON	17	15	9	23	36	42	3						145
SANTA CLARA	0	0	0	0	0	0	0						0
SIERRA	59	34	19	16	11	0	0						138
T7	0	0	0	0	0	0	0						0
U4	0	0	0	0	0	0	0						0
U6	0	0	0	0	0	0	0						0
VALLEY CENTER	72	111	133	129	133	132	134						845
W9	9	14	3	6	25	23	13						93
W10	34	32	5	12	49	20	9						161
W11	37	6	4	5	25	21	13						111
	865	698	649	682	827	744	693	0	0	0	0	0	5159
<b>GROUNDWATER - SAUGUS</b>													
159	0	0	0	1	1	15	14						31
160 - DOM	0	0	1	0	1	0	0						2
160 - VGC (not included in % by Source)	3	9	2	28	38	44	61						185
201	0	0	0	0	0	0	0						0
205	0	0	0	0	0	0	0						0
206	7	54	26	102	44	8	32						273
207	36	41	21	67	37	21	12						235
N12	0	0	0	0	0	0	0						0
N13	123	89	57	79	95	97	122						662
SAUGUS 1	102	93	104	99	102	99	102						701
SAUGUS 2	102	93	103	99	102	99	76						674
	373	378	314	475	419	385	420	0	0	0	0	0	2763
<b>TOTAL GROUNDWATER</b>	<b>1238</b>	<b>1076</b>	<b>963</b>	<b>1157</b>	<b>1246</b>	<b>1129</b>	<b>1113</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7922</b>

SANTA CLARITA VALLEY WATER AGENCY  
 WATER PRODUCTION 2023 (ACRE-FEET)

<b>SURFACE WATER + SAUGUS 1 &amp; SAUGUS 2</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>TOTAL</b>
N-1	27	76	81	123	144	110	172						732
N-2	70	91	59	114	146	152	206						838
N-3	99	161	146	217	212	298	388						1522
N-4	74	116	77	84	105	123	213						793
SC-1	89	103	69	133	148	159	147						847
SC-2	129	124	98	168	239	272	271						1302
SC-3	55	67	52	93	115	122	162						665
SC-4	71	103	36	193	303	358	405						1468
SC-5	51	90	61	120	145	163	196						827
SC-6	48	93	78	119	95	78	150						660
SC-7	72	115	96	162	176	145	214						981
SC-8	131	199	117	150	178	186	273						1234
SC-9	136	114	108	161	196	239	353						1305
SC-10	0	1	1	30	30	26	85						174
SC-11	0	0	0	0	0	0	0						0
SC-12	33	70	47	106	123	128	298						805
SC-13	37	50	35	59	73	88	192						532
V-1	53	89	80	167	212	252	310						1163
V-2	42	129	31	195	174	190	309						1089
V-4	2	35	16	80	123	112	163						531
V-5	69	101	62	152	241	376	449						1448
V-6	49	66	49	102	127	39	14						446
V-7	29	88	69	133	214	238	302						1073
V-8	3	0	0	12	240	346	543						1143
	1366	2079	1470	2873	3757	4199	5814	0	0	0	0	0	21559
Less Raw Water Input v. Output Correction								0	0	0	0	0	0
<b>TOTAL SURFACE WATER - SAUGUS 1 &amp; SAUGUS 2</b>	<b>1163</b>	<b>1894</b>	<b>1264</b>	<b>2675</b>	<b>3553</b>	<b>4000</b>	<b>5636</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20184</b>
<b>TOTAL PRODUCTION (GW + SURFACE WATER)</b>	<b>2401</b>	<b>2970</b>	<b>2227</b>	<b>3832</b>	<b>4800</b>	<b>5129</b>	<b>6748</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28106</b>
<b>% BY SOURCE</b>													
GROUNDWATER	52%	36%	43%	30%	25%	21%	16%						28%
SURFACE WATER	48%	64%	57%	70%	75%	79%	84%						72%
Less Metered Non-System Groundwater to Waste	3.4	2.2	0.4	1.5	1.3	21.0	21.2						51.0
<b>Total Net Water</b>	<b>2397</b>	<b>2968</b>	<b>2226</b>	<b>3831</b>	<b>4798</b>	<b>5108</b>	<b>6727</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28055</b>
<b>RAW WATER - SOURCE</b>													
RWWTP	1,291	1,994	1,368	2,735	2,955	2,005	3,829						16,177
ESFP	0	0	0	1	661	2,084	1,999						4,745
<b>RECYCLED WATER</b>													
RWPS 1 - Based on customer billing month	0.9	0.3	5.6	0.2	17.9	33	27						86
<b>WHOLESALE - LA COUNTY WATERWORKS 36</b>													
LA 1	0	0	0	0	0	0	0						0
LA 3	0	0	0	0	0	0	0						0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0

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**HISTORICAL PRODUCTION**  
**and**  
**GROUNDWATER LEVEL GRAPHS**  
**JULY 2023**

Historical Production and Groundwater level graphs are posted monthly on the SCV Water Website and the most recent data can be found at the link below;

- <https://www.yourscvwater.com/sites/default/files/SCVWA/your-water/plans-and-reports/well-water-levels/Well-Water-Production-and-Levels-July-2023.pdf>
  
- Groundwater level graphs for the 45 wells currently in operation show static water level depth below ground surface (bgs) from 1987 to the current month. Each well also has a second water level graph showing levels for the most recent five year period. Static Water Level refers to the level of water in a well under normal, non-pumping conditions. The graphs also show annual precipitation and historic high and low static water levels. Leading data gaps in the graphs indicate time frame before well became ACTIVE. Other gaps may appear during periods when water level soundings were not completed.
  
- The historical data tables show the production from each well in Acre-Feet from 1987 to present. Historical data labeled “NA” in the production table means that the particular well(s) were not in production at that time.

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**Santa Clarita Valley Water Agency**  
**Capital Improvement Projects (CIP) Construction Status Report**  
**As of August 15, 2023**

<b>Project</b>	<b>Contractor</b>	<b>Original Contract Amount</b>	<b>Change Orders to Date</b>	<b>% Change Orders</b>	<b>Current Contract Amount</b>	<b>Scheduled Completion</b>	<b>Estimated % of Work Completed</b>	<b>Status</b>
Vista Canyon (Phase 2B) Recycled Water Tanks	Pacific Tank and Construction, Inc.	\$3,906,870	\$390,585	9.99%	\$4,213,175	August 31, 2023	98%	Construction closeout is in progress.
Vista Canyon Recycled Water Main Extension (Phase 2B)	Ferreira Construction Co, Inc.	\$2,752,982	\$0	0%	\$2,752,982	August 31, 2023	100%	Construction closeout and review of outstanding change orders are in progress.
Bridgeport Pocket Park	C.S. Legacy Construction, Inc.	\$373,147.60	\$0	0%	\$373,147.60	October 31, 2023	90%	Construction is in progress.
Magic Mountain Pipeline Phase 4	FivePoint / Toro Enterprises	\$3,084,725	\$212,289	6.9%	\$3,297,014	December 31, 2023	98%	Construction is in progress.
Magic Mountain Pipeline Phase 5	FivePoint / Toro Enterprises	\$3,269,979	\$0	0%	\$3,269,979	December 31, 2023	96%	Construction is in progress.
Magic Mountain Pipeline Phase 6A	FivePoint / Toro Enterprises	\$7,168,845	\$0	0%	\$7,168,845	December 31, 2023	92%	Construction is in progress.
Magic Mountain Pipeline Phase 6B	FivePoint / Leatherwood Construction	\$4,568,687	\$0	0%	\$4,568,687	December 31, 2023	99%	Construction is in progress.
Santa Clara & Honby Wells PFAS Groundwater Treatment Improvements Site Construction	Pacific Hydrotech Corporation	\$8,486,950	\$0	0%	\$8,486,950	December 31, 2023	50%	Construction is in progress.
ESFP Washwater Return Improvements	Pacific Hydrotech Corporation	\$17,526,700	\$0	0%	\$17,526,700	December 31, 2023	71%	Construction is in progress.
Saugus #3 & #4 Wells Construction (Replacement Wells)	Zim Industries, Inc.	\$12,751,494	\$0	0%	\$12,751,494	January 31, 2024	40%	Construction is in progress.

Project	Contractor	Original Contract Amount	Change Orders to Date	% Change Orders	Current Contract Amount	Scheduled Completion	Estimated % of Work Completed	Status
Dickason Drive Water Line Improvements	J Vega Engineering, Inc.	\$1,909,511	\$0	0%	\$1,909,511	March 1, 2024	5%	Material submittals are in progress.
Pitchess Pipeline Modifications	Los Angeles County Metropolitan Transportation Authority	\$159,000	\$0	0%	\$159,000	May 1, 2024	0%	Pipeline modifications scheduled to start February 2024.
Deane Pump Station at Sand Canyon Plaza (Cost Share)	Pacific Hydrotech Corporation	\$1,969,954 (SCV Water Fair Share)	\$0	0%	\$1,969,954	July 1, 2024	0%	Construction to start in September 2023.
Deane Pump Station at Skyline Ranch (Cost Share)	Pacific Hydrotech Corporation	\$381,645 (SCV Water Fair Share)	\$4,192	1.1%	\$385,837	August 20, 2024	10%	Material submittals are in progress.
Deane Tank at Skyline Ranch (Cost Share)	Pacific Hydrotech Corporation	\$3,123,943 (SCV Water Fair Share)	\$3,325	0.11%	\$3,127,268	August 20, 2024	20%	Material submittals are nearly complete. Contractor poured concrete foundation on July 13, 2023.
Well 201 VOC Treatment Improvements	Pacific Hydrotech Corporation	\$7,726,700	\$0	0%	\$7,726,700	February 1, 2025	12%	Construction is in progress.



Engineering and Operations Committee  
Planning Calendar  
FY 2023/24

Item	Aug 3 Comm	Aug 15 Board	Sept 5 Board	Sept 6 Comm	Sept 19 Board	Oct 3 Board	Oct 5 Comm	Oct 17 Board	Nov 2 Comm	Nov 7 Board	Nov 21 Board	Dec 5 Board	Dec 7 Comm	Dec 19 Board	Jan 2 Board	Jan 4 Comm	Jan 16 Board	Feb 1 Comm	Feb 6 Board	Feb 20 Board	March 5 Board	March 7 Comm	March 19 Board	April 2 Board	April 4 Comm	April 16 Board	May 2 Comm	May 7 Board	May 21 Board	June 4 Board	June 6 Comm	June 18 Board	July 2 Board		
Monthly Committee Planning Calendar	C			P		P		P					P			P		P				P			P		P								
CIP Construction Status Report	C			P		P		P					P			P		P				P			P		P								
Monthly Operations and Production Report	C			P		P		P					P			P		P				P			P		P								
Third Party Funded Agreements Quarterly Report	C							P										P							P		P								
Quarterly Safety Program Presentation	C							P										P							P		P								
Annual Safety Program Update			P																																
Real Property Activity Report						P																P													
Review and Consider the Proposed FY 2024/25 and FY 2025/26 Capital Improvement Projects																								P											
Chapter 8 Agreement Properties							T	T																			T	T							
Recommend Adopting a Resolution Making the Required Findings and Authorizing and Approving the General Manager to Execute the Energy Services Agreement with Pacifico Power, LLC as well as the Services Order with Stem US Operations, Inc., For Battery Construction and Operations and Maintenance Support at the Rio Vista Water Treatment Plant	C	C																																	
Recommend Approval to Replace Approximately 711 feet of Pipeline and Associated Appurtenances in Begonias Lane	C	C																																	
Recommend Approval of Adopting a Resolution Authorizing the General Manager to Execute a Purchase Order Amendment for Construction Management Services for the Saugus #3 and #4 Wells Construction (Replacement Wells) Project				P	P																														
Recommend Approval of a Resolution Awarding a Contract for Olympian (North Oaks) Water Storage Tanks 1 and 4 Coating Project				P	P																														
Discuss and Provide Feedback on an Out-of-Agency Water Services Agreement with Paradise Ranch Estates Mobile Home Park and Recommend Advancing an Agreement to the Board for Full Consideration and Approval				P						P																									
Recommend Approval of (1) Adopting a Resolution of a Purchase Order to Kennedy Jenks Consultants, Inc for Planning Services for the North Oaks Central, East, and Sierra Wells Groundwater Treatment Improvements Project, and (2) Finding that Approval of the Proposed Action is Exempt From CEQA Review in Accordance with CEQA Guidelines Section 15262				P	P																														
Recommend Approval of (1) Adopting a Resolution of a Purchase Order to Woodard & Curran, Inc for Planning Services for the Lost Canyon, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements Project, and (2) Finding that Approval of the Proposed Action is Exempt From CEQA Review, in Accordance with CEQA Guidelines Section 15262				P	P																														
Recommend Approval of Acquisition of Real Property 3.8 +/- Acres in Newhall, Los Angeles County Assessor's Parcel Nos. 2859-002-024, -025, 2855-011-034 and -035								P																											

**Engineering and Operations Committee  
Planning Calendar  
FY 2023/24**

Item	Aug 3 Comm	Aug 15 Board	Sept 5 Board	Sept 6 Comm	Sept 19 Board	Oct 3 Board	Oct 5 Comm	Oct 17 Board	Nov 2 Comm	Nov 7 Board	Nov 21 Board	Dec 5 Board	Dec 7 Comm	Dec 19 Board	Jan 2 Board	Jan 4 Comm	Jan 16 Board	Feb 1 Comm	Feb 6 Board	Feb 20 Board	March 5 Board	March 7 Comm	March 19 Board	April 2 Board	April 4 Comm	April 16 Board	May 2 Comm	May 7 Board	May 21 Board	June 4 Board	Jun 6 Comm	June 18 Board	July 2 Board	
Recommend Authorization for the General Manager to Execute a Purchase Order Amendment for Additional Design Services for Saugus Wells 3 & 4 Project						P	P																											
Bouquet Canyon Trail Informational Presentation						P																												
Recommend Approval Awarding Construction Contract for the Saugus Well 2 Rehabilitation Project						P				P																								
Recommend Approval of the Pipeline Improvements for Vasquez Canyon						P				P																								
Recommend Approval of the Pipeline Improvements for Newhall Avenue from Market Street to Pine Street						P				P																								
Recommend Approval of (1) Adopting a Resolution or a Purchase Order for Planning Services for Well 206/207 Groundwater Treatment Improvements Project						P				P																								
Recommend Approval of Adopting a Resolution Awarding a Purchase Order for Final Design Services for Honby Tank Pipeline Improvements									P	P																								
Recommend Approval of the Pipeline Improvements for Via Princessa/Weyerhauser Way									P	P																								
Recommend Approval of Construction of New Sand Canyon Plaza 1.5 MG Tank (Deane Zone) Grading and Site Improvements and Cost Sharing Agreement with Developer									P	P																								
Recommend Approval of the Purchase of a DeNora ClorTec Onsite Sodium Hypochlorite Generation System for the Fair Oaks Reservoir Management System									P		P																							
Recommend Approval for an Additional SCVWA Filter Media Replacement									P		P																							
Recommend Approval of Adopting a Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for Valencia Market Place Pipeline Improvements														P	P																			
Recommend Approval of Adopting a Resolution Awarding Construction Contract for T&U Wells PFAS Treatment, Saugus 1 and 2 VOC Treatment, and Disinfection Facility														P	P																			
Recommend Approval of Adopting a Resolution Awarding a Contract for the Copper Hill 2 Water Storage Tank Coating Project														P	P																			
Recommend Approval of Adopting a Resolution Awarding a Materials Purchase Contract for the Well 205 Groundwater Treatment Project																P	P																	
Recommend Approval of a Resolution Authorizing Santa Clarita Valley Water Agency to Provide Water Quality Laboratory Testing Services to the State of California Department of Water Resources																		P	P															
Recommend Approval of Adopting a Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for Phase 2C South End Recycled Water Main Extension																		P	P															

**Engineering and Operations Committee  
Planning Calendar  
FY 2023/24**

Item	Aug 3 Comm	Aug 15 Board	Sept 5 Board	Sept 6 Comm	Sept 19 Board	Oct 3 Board	Oct 5 Comm	Oct 17 Board	Nov 2 Comm	Nov 7 Board	Nov 21 Board	Dec 5 Board	Dec 7 Comm	Dec 19 Board	Jan 2 Board	Jan 4 Comm	Jan 16 Board	Feb 1 Comm	Feb 6 Board	Feb 20 Board	March 5 Board	March 7 Comm	March 19 Board	April 2 Board	April 4 Comm	April 16 Board	May 2 Comm	May 7 Board	May 21 Board	June 4 Board	Jun 6 Comm	June 18 Board	July 2 Board
Recommend Approval of Adopting a Resolution Awarding Construction Contract for Pipeline to Los Angeles Residential Community																		P		P													
Recommend Approval of On-Call Engineering Services and/or Construction Management and Inspection Services																									P			P					
Recommend Approval of Adopting a Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for Recycled Water Fill Station																															P	P	

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September 6, 2023

# General Report on Treatment, Distribution, Operations and Maintenance Services Section Activities

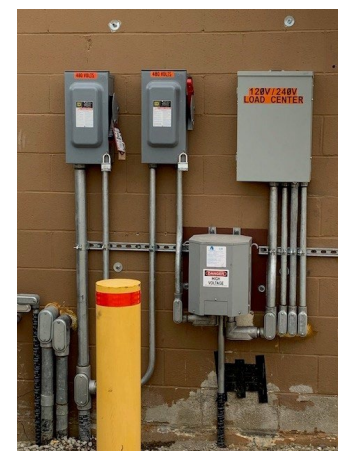
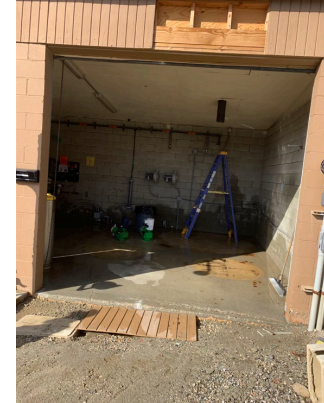
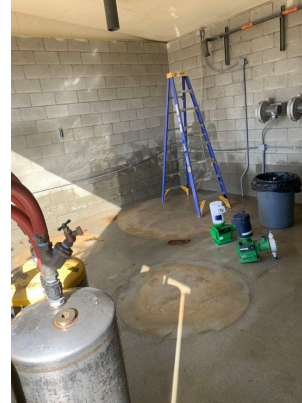
## Engineering and Operations Committee Meeting

# Facility Upgrades

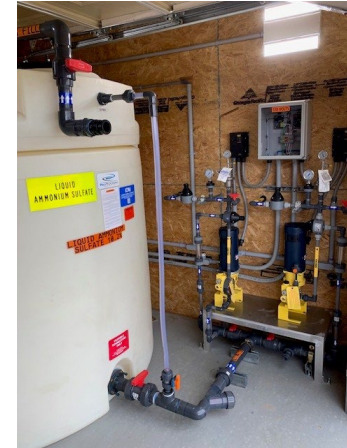
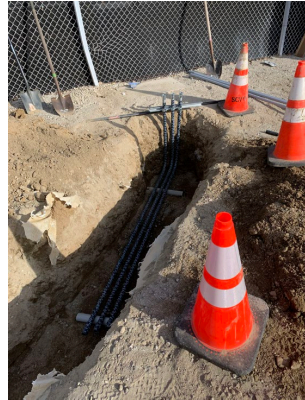
- CDF Conversion from Aqueous Ammonia to Liquid Ammonium Sulfate
- Galbreath Pressure Regulating Station Upgrades



# Castaic Disinfection Facility



# Castaic Disinfection Facility





# Galbreath Pressure Regulating Station



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