



**SCV**  
**WATER**

# **WATER RESOURCES AND WATERSHED COMMITTEE MEETING**

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**Wednesday, July 13, 2022**  
**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: 161 140 1620

**Virtually**

Please join the meeting from your  
computer, tablet or smartphone:  
<https://scvwa.zoomgov.com/j/1611401620>

**Have a Public Comment?**

Members of the public unable to attend this meeting may submit comments either in writing to [cfowler@scvwa.org](mailto:cfowler@scvwa.org) or by mail to Cheryl Fowler, Management Analyst II, Santa Clarita Valley Water Agency, 26501 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.

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**Date:** July 6, 2022

**To:** **Water Resources and Watershed Committee**  
Jeff Ford, Chair  
B.J. Atkins  
Ed Colley  
Bill Cooper  
Maria Gutzeit

**From:** Steve Cole, Assistant General Manager

The **Water Resources and Watershed Committee** is scheduled to meet on **Wednesday, July 13, 2022 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: 161 140 1620 or Zoom Webinar by clicking on the link <https://scvwa.zoomgov.com/j/1611401620>**. 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.

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## MEETING AGENDA

<u>ITEM</u>		<u>PAGE</u>
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 Authorizing the General Manager to Enter Into an Agreement with GSI Water Solutions, Inc. for the First Year of Groundwater Sustainability Plan Implementation	5
4.	Water Resources Director’s Report	
	4.1 Status of Upper Santa Clara River Salt and Nutrient Management Plan	
	4.2 Staff Activities	
5.	Sustainability Manager’s Report	
	5.1 Status of Drought Response and Performance	
6.	* Committee Planning Calendar	15
7.	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 Cheryl Fowler, Management Analyst II, at (661) 297-1600, or in writing to [cfowler@scvwa.org](mailto:cfowler@scvwa.org) or by mail to Cheryl Fowler, Management Analyst II, Santa Clarita Valley Water Agency, 26501 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 July 6, 2022.

MGS


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## COMMITTEE MEMORANDUM

**DATE:** June 27, 2022

**TO:** Water Resources and Watershed Committee

**FROM:** Dirk Marks   
Interim Director of Water Resources

**SUBJECT:** Recommend Authorizing the General Manager to Enter Into an Agreement with GSI Water Solutions, Inc. for the First Year of Groundwater Sustainability Plan Implementation

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### SUMMARY

With completion of the SCV-GSA's Groundwater Sustainability Plan (GSP) in January 2022, SCV-GSA work efforts now transition to GSP implementation. This requires consultant support to address data collection and management needs, analysis, and outreach. Staff recommends SCV Water procure professional services from GSI Water Solutions, Inc. to provide technical support for implementation of the GSP with a not to exceed contract amount of \$200,000. GSI has extensive knowledge of the GSP, the groundwater flowmodel, and the public outreach process and successfully completed preparation of the GSP.

### DISCUSSION

In January 2022, consistent with the Sustainable Groundwater Management Act (SGMA), the SCV-GSA adopted the first GSP for our local groundwater basin. Adoption of this plan came after over 3 years of plan development and coordination with its member agencies and stakeholders.

The GSP carefully examined basin history, including groundwater levels, pumping patterns, and historical land uses. It also considers future pumping plans (used in the 2020 Urban Water Management Plan), and incorporates climate change considerations and basin metrics (called Sustainable Management Criteria).

To obtain needed information, perform the associated analysis, identify potential adaptive management actions, and pursue other ongoing implementation work, consultant services are necessary.

Given the complexity of the work effort to be undertaken under this first year, staff sought and received a proposal from GSI Water Solutions, Inc. (GSI) to assist with the first year of GSP implementation. A description of the anticipated work is discussed briefly below and in more detail in the attached proposed Scope of Work. Staff has concluded that contracting with GSI would be the most cost-effective means to accomplish this work given that GSI was the primary technical consultant during the development of the GSP and it has a proven track record and specialized experience to efficiently support GSP implementation.

The GSI proposal is composed of the following three tasks.

Task 1- Establish Ongoing Monitoring Program and Protocols

This task considers several existing data sources required for the GSP and develops protocols to accept them and check them for data quality to ensure data in the database remains of high quality. GSI will work with SCV Water, and/or a data consultant to facilitate housing the data in a data management system. Protocols for analysis and collection of data for Land Subsidence monitoring are also included. Wellhead reference point elevation truthing is also included, with SCV Water collecting the elevation data and GSI using it to correct any reference point elevations and review existing sustainable management criteria to determine if refinements based on new elevation data are needed. Support to ESA is also included for work it will conduct for upland GDE investigations. Also support to CV Strategies for a domestic water quality monitoring program is included, as well as support to CV Strategies for a non-de minimis (>2-acre feet extraction per year) metering program.

Task 2 – Perform Ongoing Monitoring, Reporting, and Outreach

This task includes evaluation of monitoring data including water levels, water quality, surface water flow, and land surface elevations. It includes evaluation of data and reporting of it relative to basin metrics. It also includes development of the state-required annual report and associated analysis and data uploads to the state.

Task 3 – Meetings and Project Management

This task captures meetings and project management hours for all the subtasks in the proposal, as well four GSA staff meetings, two board meetings, and bimonthly phone calls with SCV Water staff.

No other on-call services are proposed at this time but may be added later, if warranted.

The SCV-GSA's Board utilizes the contracting approaches employed by SCV Water and in this case, its Board is also required to authorize execution of consultant contracts in excess of \$100,000. At its June 30, 2022 meeting, the SCV GSA adopted its FY 2022/23 Budget that includes funding a first-year contract for GSI to implement the GSP for a not to exceed value of \$200,000.

**FINANCIAL CONSIDERATIONS**

Funding for the proposed scope of work is included in the FY 2022/23 Water Resources Department Operating Budget.

**RECOMMENDATIONS**

That the Water Resources and Watershed Committee recommends that the Board of Directors authorize the General Manager to enter into an agreement with GSI Water Solutions, Inc. for the First Year of Groundwater Sustainability Plan Implementation.

Attachment

MGS





## Scope of Work and Fee Estimate

**To:** Rick Viergutz, Santa Clarita Valley Water Agency

**From:** Jeff Barry, GSI Water Solutions, Inc.  
John Porcello, GSI Water Solutions, Inc.  
Michael McAlpin, GSI Water Solutions, Inc.

**Date:** June 30, 2022

**RE:** Proposed Scope of Work for Santa Clarita Valley Groundwater Sustainability Agency  
Year 1 Groundwater Sustainability Plan Implementation

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### Introduction

GSI Water Solutions, Inc. (GSI), is pleased to present this proposed scope of work to help the Santa Clarita Valley Groundwater Sustainability Agency (SCV-GSA) implement projects and management actions outlined in the SCV-GSA Groundwater Sustainability Plan (GSP) within the first year following adoption of the GSP.

### Scope of Work

The tasks below describe GSI's proposed scope of work to help the SCV-GSA begin to implement the monitoring program and management actions outlined in the Santa Clara River Valley Groundwater Basin, East Subbasin (Basin) GSP within the first year following adoption of the GSP. Task 1 includes developing the programs and protocols for collecting and compiling the various sets of data that are included in the GSP monitoring program. It also includes developing the approach to addressing some of the data gaps discussed in the GSP. Task 2 includes conducting routine monitoring, evaluation, and reporting of water levels, surface water flow, subsidence, and water quality data and it includes preparation of the annual report that must be submitted to the California Department of Water Resources (DWR) by the end of March 2023. Task 3 includes GSI participation in SCV-GSA Staff meetings and SCV-GSA Board of Directors meetings.

#### Task 1 – Establish Ongoing Monitoring Program and Protocols

The monitoring programs described in the Basin's GSP are based primarily on existing monitoring programs. The types of data that are of particular interest include:

- Groundwater levels
- Surface water flow
- Groundwater and surface water quality
- Subsidence
- Extractions
- Groundwater-dependent ecosystems (GDEs) within the identified GDE areas

### Subtask 1.1 – Groundwater Level, Surface Water Flow, and Groundwater and Surface Water Quality Monitoring Protocols

Existing monitoring programs in the Basin include the following entities and agencies:

- Santa Clarita Valley Water Agency (SCV Water) groundwater elevation and water quality monitoring programs
- County of Los Angeles (LA County) Waterworks District 36 groundwater production well monitoring
- LA County Flood Control District Groundwater Elevation monitoring
- LA County Department of Public Works (LACDPW) streamflow gauging and land surface elevation benchmarks
- U.S. Geological Survey streamflow monitoring
- CASGEM – Santa Clara River Valley Basin – Santa Clara River Valley East
- University NAVSTAR Consortium (UNAVCO) Plate Boundary Observatory
- California Drinking Water Watch
- Department of Toxic Substances Control (Whittaker-Bermite)
- Santa Clarita Valley Water Agency Salt and Nutrient Management Plan monitoring
- Santa Clarita Valley Sanitation District of LA County
- FivePoint LLC and other private pumpers
- De minimus well owners
- Online data sources for InSAR and Enhanced Vegetation Index (EVI) satellite imagery

Each agency or entity above uses different data collection and reporting protocols and has different monitoring and reporting timelines. GSI will develop protocols and regularly acquire the data from each source with a focus on consistency, efficiency, and minimizing potential for data loss, duplication, or unintentional manipulation due to any format or platform discrepancies. Other monitoring elements such as frequency of monitoring and data collection, data storage, and data management will also be reviewed by GSI so that we establish a repeatable process for obtaining and processing data in the future. GSI will work with the SCV-GSA's data management team to standardize how the data are received, establish what Qa/Qc protocols will be followed prior to importation into the DMS, and develop standardized reports for selected sets of information. GSI will also review the FivePoint data sharing agreement and attend monthly data sharing meetings as directed by the SCV-GSA.

### Subtask 1.2 – Land Subsidence Monitoring Protocols

Prior to development of the Basin's GSP, land subsidence data had not been compiled and evaluated to assess the effects of groundwater extraction on land surface elevations. Land surface elevation data are available from Interferometric Synthetic Aperture Radar (InSAR), UNAVCO CGPS SKYB (located north of the San Gabriel fault and separated from the main area of the Basin where municipal pumping occurs), and from LA County for elevation benchmarks located in the Basin. The SCV-GSA plans to conduct additional monitoring of land surface elevations at selected key locations on a bi-annual basis. InSAR data, land surface elevation data previously collected by LA County, and the additional subsidence benchmark data will be assessed annually for indications that subsidence is occurring.

LACDPW has a network of over 100 benchmarks in the Basin as part of a larger survey network in LA County. LACDPW surveys these benchmarks approximately every 6 years (last surveyed in 2018). The SCV-GSA plans to use a combination of InSAR data and measured land surface elevation data at selected LA County benchmarks for the monitoring locations for the Basin's land subsidence monitoring program. The SCV-GSA intends to monitor subsidence twice annually at locations where future groundwater level declines could cause subsidence and damage critical infrastructure. Benchmark locations used by LA County will be identified for monitoring ground surface elevations at locations where the largest changes in groundwater levels are expected and where critical

infrastructure exists. GSI will work with SCV-Water and LA County to determine which benchmarks are most suitable and to establish monitoring protocols that the SCV-GSA will follow. In addition, GSI will correlate datums that have been used in the past by LA County with datums established by the SCV-GSA so that the two datasets are consistent.

It is assumed that SCV-Water will identify locations of critical infrastructure within the Basin. Referencing the location information of critical infrastructure, GSI will work with LA County to identify existing benchmarks to be included in the Basin's land subsidence monitoring network. GSI will also coordinate with LA County to understand control points for the existing monitoring network, as well as vertical datum(s) that have been used historically. Using the identified LA County benchmarks and available InSAR data, GSI will develop a land subsidence monitoring plan for the Basin. The plan will include monitoring frequency of the LA County benchmarks as well as protocols for downloading and reviewing InSAR data.

### **Subtask 1.3 – Wellhead Reference Point Elevation Survey**

A survey of the reference point elevations is needed for all existing and planned new wells that are part of the Basin's groundwater level monitoring program. This is needed because not all wells in the program have been surveyed and because different datums have been used in the past. The planned reference point survey will ensure that all groundwater level data are referenced to the same vertical datum in the future. Further, some elevation surveys in the riverbed near GDE monitoring wells will be needed to better determine depth to groundwater beneath the riverbed.

The reference point elevation surveys will be completed by SCV Water. Following completion of the reference point elevation survey, GSI will review the results of the survey for completeness relative to existing water level data and correct reference point and groundwater elevation information. GSI will also review the results of the Light Detection and Ranging (LiDAR) survey completed by ESA for the Water Resiliency program and identify discrepancies with other elevation data for river thalweg and GDE monitoring sites. The data from both surveys will be made available for importation into the DMS. In addition, GSI will use these data to update land surface and groundwater elevations in the groundwater model in order to generate new hydrographs for predicted future water levels at representative well locations. This exercise will also include review of minimum thresholds, measurable objectives, and trigger levels for groundwater levels established in the GSP and reconciling those elevations with new water level elevations based on the new reference point survey information. GSI will produce a table showing original and updated groundwater elevation minimum thresholds, measurable objectives, and GDE trigger levels for each representative well.

### **Subtask 1.4 – Upland (Potential) GDE Verification**

Potential GDEs were identified in upland areas (e.g., Placerita Canyon, Savannah Oaks area) outside the main Santa Clara River channel and tributaries. Comments received from the SCV-GSA Stakeholder Advisory Committee on the Basin's GSP indicated additional field verification of these areas is desired; specifically, assessment of geology and groundwater elevations to determine whether these areas should be included in the ongoing GDE monitoring program.

GSI will assess groundwater elevations and geology in the areas of potential GDEs identified by Environmental Science Associates (ESA) in the Basin's uplands, and complete the following steps:

1. Coordinate with ESA who has a separate contract with the SCV-GSA to perform a biological survey of the potential GDE areas to identify existing plant and animal communities.
2. Conduct a review of available historical publications, available well logs, and nearest groundwater level data for the potential GDE areas not identified in the GSP, if any.
3. Use enhanced vegetation index data (EVI, time series, and map view) for the potential GDE areas as a screening tool to assess historical changes in area vegetation annually during the summer.

4. Estimate the depth to groundwater in the areas using nearest well data, if any, and the groundwater flow model.
5. Provide an opinion about whether the potential GDEs are supported by groundwater in a principal aquifer that can be affected by pumping in the Basin.

GSI will provide pertinent information and text regarding the geologic setting and groundwater conditions to ESA who will prepare a report to the SCV-GSA under a separate contract.

#### **Subtask 1.5 – Domestic Water Quality Monitoring Program**

Some well operators are considered de minimis extractors (meaning a person who extracts, for domestic purposes, 2 acre-feet or less per year). Domestic wells are presently not included in existing groundwater quality or water level monitoring programs in the Basin. Because this group of groundwater users may be affected by groundwater management actions initiated by the SCV-GSA in some areas of the Basin, it will be necessary to establish (1) where there are domestic wells that could be affected by groundwater management actions and (2) a water quality sampling program for selected wells to establish a baseline data set for domestic well water quality and water levels. Once the baseline has been established, specific needs for future water quality sampling will be better understood.

The number of de minimis extractors in the Basin are not known with a high degree of accuracy but are estimated to reflect approximately 500 acre-feet per year extraction. GSI's scope of work for this subtask is to attempt to identify the number and location of de minimis wells in the Basin. Aerial photography and Google Earth will be used to identify properties and homes that are not served by SCV Water. The results of this evaluation will be presented in a technical memorandum and on a map. GSI will assist CV Strategies with identifying general areas within the Basin for outreach where domestic wells may be located that could provide useful data and/or be affected by groundwater management actions. GSI will provide CV Strategies with descriptions of the information that would be requested from the domestic well owners as part of the outreach effort.

Prior to enrollment into the proposed domestic well monitoring program, GSI will complete a review of candidate well locations and well construction information, review the wells with the SCV-GSA, and provide recommendations of wells to be enrolled. The review will allow the SCV-GSA to understand the spatial coverage and aquifer coverage of the domestic well monitoring network and minimize duplication of data points while ensuring the program collectively represents domestic well users.

GSI will develop a monitoring plan to measure groundwater levels and water quality in domestic wells enrolled in the domestic well monitoring program as a result of the outreach completed by CV Strategies.

#### **Subtask 1.6 – Non-De Minimis Metering and Reporting Program**

The GSP outlined a program that would require all non-de minimis extractors to report extractions annually and use a water-measuring method satisfactory to the SCV-GSA in accordance with Water Code § 10725.8. Non-de minimis extractors include, but may not be limited to, agricultural wells, golf course wells, and other non-municipal supply wells. It is anticipated that the SCV-GSA plans to develop a policy to implement this program. The information collected would be used to account for pumping, to analyze projected basin conditions, and to complete annual reports and 5-year GSP assessment reports.

GSI, with input from SCV-GSA and CV Strategies, will develop a Non-De Minimis Well Registration and Well Meter Installation/ Extraction Measurement Program, which will include the following steps:

- 1) Develop an inventory of non-de minimis well and meter information using existing data sources. We expect the number of non-de minimis wells to be on the order of 10-15 based on past outreach during GSP Development. This effort will include review of the well inventory database developed in conjunction

with GSP preparation and any additional non-de minimis wells identified through CV Strategies outreach effort (Step 3).

- 2) Research existing well registration and metering programs that are currently being implemented in other water agencies and prepare a summary memorandum. The summary memorandum would include example well registration forms and extraction reporting forms used by others. Coordinate with GSA Staff to obtain Board of Directors input on a well registration and metering approach.

Working with CV Strategies, hold a workshop with the SCV-GSA and stakeholders to share the approach to the proposed Non-De Minimis Metering and Reporting Program and get stakeholder feedback. Workshop topics would include a discussion of how extraction data would be used for the GSP and why it is needed for our local GSP, what data would be collected and used, and feedback on the proposed Non-De Minimis Metering and Reporting Program Document. GSI understands that the SCV-GSA would develop any forms following workshops.

## **Task 2 – Perform Ongoing Monitoring, Reporting, and Outreach**

### **Subtask 2.1 – Ongoing Water Level, Surface Water Flow, and Land Surface Elevation Monitoring**

GSI will request monitoring data for water levels, surface water flow, and land surface elevations from the Basin's DMS in accordance with the Basin's monitoring plans described in Task 1 above. To reduce costs the proposed approach does not reinvent reports normally pulled from the DMS, unless necessary. The philosophy is a standard set of reports will be prepared each quarter and can quickly be reviewed by anyone who has them.

GSI will review water level and river flow data quarterly, or at a frequency consistent with when data are available from the existing programs, by SCV-Water. Ground surface elevation data collected by SCV Water and InSAR data obtained by GSI will be reviewed by GSI two times per year as data are made available. GDE area water level monitoring and assessment will be conducted quarterly during the months of November through May and monthly from June through October as data are made available. Water quality data will be compiled on an annual basis by SCV-Water.

Water level monitoring results will be compared with established minimum thresholds and measurable objectives and presented in an email to SCV Water on a quarterly basis three times per year. Fourth quarter results will be presented in the annual report described below. Groundwater levels collected during summer months from GDE monitoring wells will be plotted versus time and compared to established GDE trigger levels. These data plots will be transmitted to SCV Water via email within 1 week of receipt of the data.

### **Subtask 2.2 – Domestic Water Quality and Water Level Monitoring**

Once the wells to be included in the domestic well monitoring program described in Subtask 1.5 have been identified, SCV Water will complete an initial round of water quality sampling and water level monitoring to document baseline conditions in the Basin. The results from the initial monitoring event will be documented in a report of findings prepared by GSI and will be used to advise future sampling efforts and proposed domestic well monitoring program. Data collected during the event will be archived and managed by SCV Water in its DMS. Prior to finalization of the report, GSI will meet with SCV-GSA to discuss the draft findings. Information, such as well location, will be generalized. It is assumed that groundwater quality analytical results will be transmitted by SCV Water to the respective domestic well owner.

### **Subtask 2.3 – Prepare Annual Report**

Annual reports covering the previous water years monitoring efforts are required to be submitted to DWR by April 1 of each year. In addition, DWR now requires that water level data for the previous fall and following spring be uploaded to the DWR portal. The annual reports provide required monitoring data, such as water levels, water quality, extraction volumes and trend analysis. Annual reports are made available to basin stakeholders. Annual reports discuss trends, compare monitoring data to the Basin's sustainable management criteria, and report

management actions and projects implemented to achieve sustainability. Annual reports allow promotion of best water use practices.

GSI has developed the following scope of work based on our understanding of the requirements as outlined in the SGMA Emergency Regulations and our experience preparing the previous SCV-GSA annual report. Several discrete data sets are required to be included in the annual report for each water year, including the following:

- Groundwater elevations for each principal aquifer
- Groundwater extraction volumes
- Groundwater quality
- Surface water supply and usage volumes (currently not applicable to the Basin)
- Total water-use volumes
- Status of subsidence monitoring
- Changes in the volume of groundwater in storage

GSI will prepare an initial administrative draft report for SCV-GSA staff review and will finalize the report once comments are received. The report will be based on data collected and the analysis performed as described above, on other data that may become available, and on ongoing discussions with the SCV-GSA staff. The report will also include a discussion of progress toward addressing data gaps and meeting sustainability goals. The report and monitoring network data will be uploaded to the DWR portal once approved by the SCV-GSA Board. Water level data for the following spring (2023) will be compiled and submitted to DWR through the portal.

### **Task 3 – Meetings and Project Management**

GSI has budgeted for ongoing project management and the following meetings and calls with SCV staff: four SCV-GSA staff meetings, bi-monthly phone calls, and two Board meetings.

### **Task 4 – On-Call Services**

No On-Call services have been identified at this time. SCV-Water may amend the scope and budget for this task, if warranted.

## Fee Estimate

GSI's proposed budget to complete the tasks on a time-and-materials basis is \$200,000, as shown in the following table. Our standard rate sheet for this project is attached.

Tasks	Labor Hours	Labor Cost	Direct Expenses	Total
<b>Task 1 - Establish Ongoing Monitoring Program and Protocols</b>	<b>405</b>	<b>\$74,000</b>	<b>\$0</b>	<b>\$74,000</b>
Subtask 1.1 - Groundwater Level, Surface Water Flow, Groundwater and Surface Water Quality Monitoring Protocols	105	\$20,400	\$0	\$20,400
Subtask 1.2 - Land Subsidence Monitoring Protocols	55	\$9,900	\$0	\$9,900
Subtask 1.3 - Wellhead Reference Point Elevation Survey	70	\$14,900	\$0	\$14,900
Subtask 1.4 - Upland (Potential) GDE Verification	40	\$7,000	\$0	\$7,000
Subtask 1.5 - Domestic Water Quality Monitoring Program	75	\$11,800	\$0	\$11,800
Subtask 1.6 - Non-De Minimis Metering and Reporting Program	55	\$10,000	\$0	\$10,000
<b>Task 2 - Perform Ongoing Monitoring, Reporting, and Outreach</b>	<b>535</b>	<b>\$92,300</b>	<b>\$500</b>	<b>\$92,800</b>
Subtask 2.1 - Ongoing Water Level, Surface Water Flow, and Land Surface Elevation Monitoring	180	\$30,800	\$500	\$31,300
Subtask 2.2 - Domestic Water Quality Monitoring	85	\$14,500	\$0	\$14,500
Subtask 2.3 - Prepare Annual Report	270	\$47,000	\$0	\$47,000
<b>Task 3 - Meetings and Project Management</b>	<b>170</b>	<b>\$32,600</b>	<b>\$600</b>	<b>\$33,200</b>
<b>Project Totals</b>	<b>1,105</b>	<b>\$198,900</b>	<b>\$1,100</b>	<b>\$200,000</b>

## Assumptions

The presented scope of work and fee estimate includes the following assumptions:

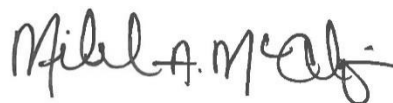
- SCV-GSA data management team will work with the Basin DMS host to develop protocols and templates for data uploads and downloads
- SCV-Water will plan, coordinate, and conduct the wellhead RPE survey
- The SCV-GSA and CV Strategies will plan for and complete all public outreach efforts and public workshops for the Domestic Water Quality Monitoring Program
- To meet proposed deliverable deadlines, GSI will be provided data necessary to draft reports, figures, and tables in a timely manner
- Data management associated with the tasks described above will be completed by SCV-Water, the Basin DMS host, or the appropriate responsible entity
- DMS data requests, made by GSI to complete the tasks described above, will be delivered in a timely manner, complete, and have gone through a Qa/Qc process

We thank you for your consideration of this proposal and look forward to continuing to work with you in the future.

Sincerely,  
GSI Water Solutions, Inc.



Jeff Barry  
Principal Hydrogeologist



Michael McAlpin, PG  
Consulting Hydrogeologist



**Santa Clarita Valley Water Agency  
Water Resources & Watershed Committee and Board Calendar**

**ITEM NO.  
6**

**FY 2022/23**

Item	Jul 5 Board	Jul 13 Comm	July 19 Board	Aug 2 Board	Aug 10 Comm	Aug 16 Board	Sep 6 Board	Sep 14 Comm	Oct 4 Board	Oct 12 Comm	Nov 1 Board	Nov 9 Comm	Dec 6 Board	Dec 14 Comm	Jan 3 Board	Jan 11 Comm	Feb 7 Board	Feb 8 Comm	Mar 7 Board	Mar 8 Comm	Apr 4 Board	Apr 12 Comm	May 2 Board	May 10 Comm	Jun 6 Board	Jun 7 Comm
1 Recommend Authorizing the General Manager to Enter into an Agreement with GSI Water Solutions, Inc. for the First Year of Groundwater Sustainability Plan Implementation		P		P																						
2 Status of Drought Response and Performance		P			P			P		P		P		P		P		P		P		P		P		P
3 Status of Upper Santa Clara River Salt and Nutrient Management Plan		P																								
4 Status of Recycled Water Program			P							P																
5 Recommend Authorizing the General Manager to Execute a Construction Contract for Bridgeport Pocket Park					P		P																			
6 Recommend Adoption of a Resolution Approving the SB 221 Water Supply Verification for the Tesoro Del Valle					P		P																			
7 Update on Conservation Activities & Performance					P			P		P		P		P		P		P		P		P		P		P
8 Status of Sites Reservoir Project, Rosedale-Rio Bravo Water Banking Program and AVEK High Desert Banking Program					P									P												
9 Recommend Adoption of a Resolution Authorizing the General Manager to Apply for Grant Funding Under the WaterSmart Water Energy Efficiency Grant Program and Execute a Grant Agreement with the Federal Bureau of Reclamation					P	P																				
10 Status of Efforts Relating to Groundwater Spreading Pilot Program					P																					
11 Recommend that the Board Authorize the General Manager to Enter Into a Long Term Water Exchange Agreement with Irvine Ranch Water District							P																			
12 Authorize the General Manager to Enter into an Agreement to Fund Planning Costs for the Proposed High Desert Groundwater Banking Program								P	P																	
13 Authorize General Manager to Enter into Contracts for Water Resiliency Plan Initiative								P	P																	
14 Recommend Adopting a Resolution Authorizing Creation of a Standby Charge for the Tesoro del Val Annexation Area								P	P																	
15 Devil's Den Semi-Annual Report								P										P								
16 Status of Water Supply and Water Banking Programs								P												P						
17 Update on Water Resiliency Plan Initiative Activities								P																		

**Santa Clarita Valley Water Agency  
Water Resources & Watershed Committee and Board Calendar**

**FY 2022/23**

	Item	Jul 5 Board	Jul 13 Comm	July 19 Board	Aug 2 Board	Aug 10 Comm	Aug 16 Board	Sep 6 Board	Sep 14 Comm	Oct 4 Board	Oct 12 Comm	Nov 1 Board	Nov 9 Comm	Dec 6 Board	Dec 14 Comm	Jan 3 Board	Jan 11 Comm	Feb 7 Board	Feb 8 Comm	Mar 7 Board	Mar 8 Comm	Apr 4 Board	Apr 12 Comm	May 2 Board	May 10 Comm	Jun 6 Board	Jun 7 Comm	
18	Recommend Approval of a Resolution Adopting Recycled Water Rules and Regulations										P	P																
19	Status of Urban Water Management Plan Review Updates										P																	
20	Status of Water Supplies														P		P		P							P		P
21	Status of Sustainable Groundwater Management Act Implementation																					P						
22	Review and Discussion of FY 2023/24 and FY 2024/25 Water Resources Operating Budget and Minor and Major Capital Projects Budgets																							P				
23	Recommend Adoption of a Resolution Approving the SB 610 Water Supply Assessment for the Wiley Canyon Mixed-Use Development	C																										
24	Water Conservation Garden and Education Experience - Design Update																											
25	Update on Water Operating Plan and Water Conservation Response Actions																											

P = Planned  
 C = Completed  
 CNL = Cancelled  
 CNT = Continued Item