

Tracy Subbasin GSP Coordination Committee Meeting

Thursday June 16, 2022
1:00 PM to 3:00 PM

Teleconference Meeting Only

Teleconference Link: <https://stantec.zoom.us/j/93541056999>

Phone Number: 1-669-900-6833

Meeting ID: 935 4105 6999

The following options are available to members of the public to listen to these meetings and provide comments to the Committee Members before and during the meeting:

CALL-IN

Member of the public are encouraged to use the call-in number, which will allow them to fully participate in the meeting without having to be present in person. **Once connected, we request you kindly mute your phone.**

PUBLIC COMMENT

If you wish to make a comment on a specific agenda item, please submit your comment via email by 5:00 p.m. on the Wednesday prior to the meeting. Please submit your comment via email to Matt Zidar, San Joaquin County, at mzidar@sjgov.org. Your comment will be shared with the Tracy Subbasin Groundwater Sustainability Agencies members and placed into the record at the meeting. Every effort will be made to read comments received during the meeting into the record but some comments may not be read due to time limitations. Comments received after an agenda item will be made part of the record if received prior to the end of the meeting.

DISABILITY-RELATED MODIFICATIONS

If you need disability-related modification or accommodation in order to participate in this meeting, please call 1 (209) 468-3089 at least 48 hours prior to the start of the meeting.

AGENDA

I. Opening of Meeting/Roll Call

II. Scheduled Items

- A. Well Ordinance and Well Mitigation – *Discussion Item*
- B. Approval of May 19 GSP Coordination Committee Meeting Minutes – *Action Item*
- C. Approval of FY 2022 Annual Budget – *Action Item*
- D. Approval of GEI Scope and Budget for Tracy Subbasin Technical Support –
Action Item
- E. GSP Projects and Management Actions – *Discussion Item*

- Review GSP Projects and Management Actions
- GSA Report Out on Project Progress

F. Scheduling Quarterly GSP Coordination Committee Meetings – *Discussion Item*

G. DWR Status Report – *Discussion Item*

III. **Public Comments**

IV. **Agency Comments**

V. **Next GSP Coordination Committee Meeting – September 2022 (date to be determined)**

VI. **Adjournment**

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DRAFT MINUTES

I. Opening of Meeting/Roll Call

The meeting was called to order at 1:02 PM.

Roll call found the following Sustainable Groundwater Management Act (SMGA)
Groundwater Sustainability Agency (GSA) representatives present via teleconference:

- Lea Emmons, City of Tracy GSA
- Lemar Saffi, City of Tracy GSA
- Greg Gibson, City of Lathrop GSA
- Greg Young, BBID
- Ryan Alameda, Stewart Tract
- Matt Zidar, San Joaquin County
- David Weisenberger, BCID

Other attendees:

- Emily Finnegan, Stantec
- Khandriale Clark, Stantec
- Richard Shatz, GEI
- Pauline Espinoza, GEI
- Jackson Cook, California Department of Water Resources (DWR)

II. Scheduled Items

A. Teleconferencing Options for Future Tracy Subbasin GSP Coordination Committee Meetings – *Discussion Item*

- Prior to the meeting, each GSA representative was asked to confer with their respective legal counsels to receive guidance on the Brown Act teleconferencing requirements for the Tracy Subbasin GSP Coordination Committee. Within the discussion, the group needed to consider whether they desired to continue with formal compliance with the Brown Act during GSP implementation, or whether they merely wanted to operate consistent with the Brown Act. The latter approach would allow for the continuation of remote teleconferencing without fully adhering to all Brown Act teleconferencing requirements which require elected representatives to disclose their meeting location when joining a meeting via teleconference.
- Mr. Gibson, City of Lathrop GSA, communicated that the counsel for his GSA said there was not a legal issue to be seen from their perspective, and that he was comfortable returning to in-person meetings. Mr. Saffi, City of Tracy GSA, noted that he and Mr. Emmons had done the same with their legal counsel and they concurred that they would not have an issue with in-person meetings.
- Ms. Finnegan asked the group to confirm where Committee meetings were held prior to the COVID-19 pandemic. It was stated that they were held at the Banta Carbona Irrigation District.
- Mr. Zidar communicated to the group that the Coordination Committee was an advisory group and not an official Brown Act body operating under an official agreement such as a Joint Powers Agreement; therefore, the Committee was not subject to Brown Act requirements from a legal standpoint. Mr. Weisenberger also agreed with Mr. Zidar's statements but shared that his GSA's legal team had originally advised the group to operate as a Brown Act body during GSP development. He noted that he would follow up with counsel once more to confirm or gain clarity on whether the committee needed to operate in full compliance with the Brown Act.

- The Committee determined that they would continue to operate consistent with the Brown Act (e.g., maintain public meetings, public noticing) but did not need to maintain formal compliance with all teleconferencing requirements of the Brown Act.

B. Approval of April 21 GSP Coordination Committee Meeting Minutes – *Action Item*

RESULT: APPROVED

MOVER: Matt Zidar

SECONDER: Greg Gibson

AYES: ALL

NOES: NONE

ABSENT: NONE

ABSTAIN: NONE

C. Draft FY 2022 Annual Budget – *Discussion Item*

- Mr. Shatz provided an overview of the amendments made to the draft budget created for the 2022 fiscal year. The updates include the following:
 - Changing the name of one line item from “Groundwater Model” to “Spreadsheet Model” in the budget and reducing those funds from \$100,000 to \$60,000;
 - Moving \$1,400 from the inter-basin coordination with Solano Subbasin line item (regarding the non-managed areas of the Tracy Subbasin) into the Public Outreach line item;
 - Increasing the DWR comment response line item from \$10,000 to \$50,000;
 - Adding additional administration and facilitation support; and
 - Shifting management action #1 (amending the well ordinance) from FY21-22 to FY23-24.

D. Approval of GEI Scope and Budget for Tracy Subbasin Technical Support –
Action Item

- This item was noted as an action item; however, only a discussion was had on the GEI proposed tasks and activities as some tasks were listed as optional and needed to be approved by the Committee in order to finalize the GEI budget.
- In the proposal presented by Mr. Shatz, GEI's scope includes the Annual Reports; Technical Support Services Site Walks; GSP Management Action #1 (Amend the Well Ordinance); a Data Management System, Website Upgrades, and General Maintenance; and Public Outreach Support. There were also optional subtasks noted in GEI's proposed scope, including Resolution of Annual Report Information, an Airborne Electromagnetic (AEM) Survey Findings Assessment, a Water Quality Data Gap, Water Budget Spreadsheets, Instrumentation of Representative Monitoring Wells, and Support for Incorporation of the Tracy Subbasin into the Eastern San Joaquin Integrated Regional Water Management Plan. The Planning Committee agreed that two of the optional tasks – Resolution of Annual Report Information and the AEM Survey Findings Assessment – should be added to the GEI scope. Mr. Shatz noted that \$12,000 in funds could be added to cover these additional activities, and the group agreed that there was no issue with including the extra funds. Mr. Saffi stated that he would need to hold some internal discussions to confirm that the additional costs were feasible for the City of Tracy GSA to take on.
- Mr. Shatz stated that he would further breakdown budget so it was clear how and where funds would be allocated in certain areas. An updated budget will be presented and is slated to be voted on during the June GSP Coordination Committee meeting.

- E. Approval of Stantec Scope and Budget for Tracy Subbasin Public Outreach and Coordination Support – *Action Item*

RESULT: APPROVED

MOVER: Greg Gibson

SECONDER: Matt Zidar

AYES: ALL

NOES: NONE

ABSENT: NONE

ABSTAIN: NONE

- F. Approval of San Joaquin County to submit Facilitation Support Services Application for the Tracy Subbasin – *Action Item*

RESULT: APPROVED

MOVER: David Weisenberger

SECONDER: Greg Gibson

AYES: ALL

NOES: NONE

ABSENT: NONE

ABSTAIN: NONE

- G. Discussion of Public Comments Received on the Submitted Tracy Subbasin GSP – *Discussion Item*

- The Tracy Subbasin GSP received two comment letters from the Central Valley Flood Protection Board and a group of statewide non-profit organizations. The Flood Protection Board letter states that the Tracy Subbasin GSAs must notify them if anything they are doing encroaches upon flood waters. The GSAs have determined that no further action needs to be taken other than acknowledging receipt of the letters.

- H. Discussion of Future Agenda Items

- DWR Implementation Grant Funding
 - There is no funding for grant writing included in the proposed GSP budget. Mr. Shatz noted that DWR SGMO Round 2 funding, which is anticipated to be released in the fall, will be competitive. Mr. Shatz pointed out that in order to be competitive for the Round 2 funding, projects need to be past the design phase.
- Data Management and Monitoring Networks
 - The group discussed the need for more robust, centralized data management. Mr. Shatz indicated that this would be a core component in the success of bolstering the Subbasin's monitoring network.
- Well Ordinance and Well Mitigation Program
 - The group discussed the Executive Order and what the Committee might expect going forward. Mr. Zidar provided clarifying information regarding the Tracy Subbasin's role in the Executive Order and where various responsibilities lie. The group ended the discussion by agreeing to further evaluate the situation and initiate internal discussions within each GSA about how to move forward.

I. DWR Status Report – *Discussion Item*

- A recording of DWR's Listening Session regarding the Executive Order is available on their website. Mr. Cook will send a link to the Committee.
- There is updated InSAR subsidence data through Jan 31, 2022, available on the DWR website as well.

III. **Public Comments**

No additional comments were provided.

IV. **Agency Comments**

Mr. Gibson noted that the City of Lathrop GSA was watching drought curtailments. He suggested that all of the Tracy Subbasin GSAs should be touching base on drought and potential impacts to surface water and groundwater supplies during these meetings.

V. Next GSP Coordination Committee Meeting – June 16, 2022

No additional comments were provided.

VI. Adjournment

Ms. Finnegan adjourned the meeting at 2:59 pm.

May 25, 2022



Consulting
Engineers and
Scientists

Mr. Matt Zidar
Water Resources Division
San Joaquin County Public Works
1810 E. Hazelton Avenue
P.O. Box 1810
Stockton CA 95201

Subject: Revised On-Call Services FY2022-23, Tracy Subbasin GSP Implementation

Dear Mr. Zidar:

GEI Consultants, Inc. (GEI) has prepared this proposal to assist San Joaquin County Flood Control and Water Conservation District (District) to support the implementation of the Groundwater Sustainability Plan (GSP) for the Tracy Subbasin (TSb or Subbasin). A draft proposal was submitted on May 17, 2022 for consideration and following discussions with the Groundwater Sustainability Agencies, the proposal was revised. This proposal describes these services.

PROJECT SCOPE AND APPROACH

The following seven tasks describe the services to be provided for the fiscal year (FY) 2022-23, from July 2022 through June 2023:

Task 1: Annual Report

The Groundwater Sustainability Management Act and the GSP Emergency Regulations require that all groundwater basins who have adopted GSPs submit annual reports summarizing the groundwater conditions in relation to sustainability indicator by April 1, 2023. The annual report is for water year 2021-22 (October 1 through September 30).

GEI will prepare the annual report for the Non-Delta Management Area to include the following:

- Documentation of general information; including, an executive summary and a location map depicting the subbasin covered by the report.
- Assessment of the type of water year by obtaining the San Joaquin River Index and water year classification.
- Obtain and tabulate groundwater production data from the cities of Lathrop and Tracy to be reported as actual groundwater use.
- Compile and tabulate measured surface water diversions by Banta-Carbona and Byron-Bethany Irrigation Districts, and imports by the cities of Lathrop and Tracy.
- Compile and tabulate measured recycled water reuse.

Estimate groundwater pumping by agriculture in the Non-Delta Management areas of the TSb by utilizing monthly METRIC evapotranspiration data provided by the Irrigation Training and Research Center (Cal Poly San Luis Obispo). The data sets will be processed by GSA area to obtain annual evapotranspiration, minus annual surface water deliveries (provided by each GSA) with the residual being groundwater pumping.

- Obtain groundwater level measurements from California Department of Water Resources (DWR) monitoring network module and from reports sent to the Regional Water Quality Control Board (RWQCB) and process the data to prepare hydrographs for each of the representative monitoring wells and compare those measurements to minimum thresholds and measurable objectives established in the GSP. The groundwater levels will be stored in the TSb DMS, and it will be used to process and prepare the hydrographs.
- Develop groundwater elevation contour maps for spring 2022 and fall 2022 for the two principal aquifers.
- Create fall change in groundwater in storage maps for the two principal aquifers in the subbasin.
- Prepare a map showing the distribution of estimated and actual groundwater pumping by GSA.
- Obtain InSAR annual rate of subsidence processed by DWR for the TSb.
- Obtain water quality data to tabulate the results in comparison to minimum thresholds and measurable objectives.
- Prepare the text portion of the annual report which will include 1) the progress toward the Plan implementation and Projects and Management Action, and 2) filling of data gaps.
- Provide a draft report for all GSAs to review and comment. Incorporate comments in the report and finalize.
- Upload the report to DWR's website before April 1, 2023.
- Prepare fiscal budget for WY 2024.

Assumption: The GSAs will provide the pumping and surface water supply information for October 1, 2021, through September 30, 2022, to GEI by November 15, 2022. A draft Annual Report will be provided to the GSA about January 31, 2023, for review and comment by the GSAs. GEI will upload the Annual Report to DWR by April 1, 2023.

Deliverables: Draft and final 2021-22 Annual Report.

Task 2: Technical Support Services (TSS) Site Walks

The Subbasin GSAs requested GEI develop an application to seek support from DWR for construction of six new monitoring wells in the Subbasin using state funding. The general application and individual well applications were submitted. The sites have not been reviewed or approved by DWR. GEI will:

- Meet with DWR to gain final approval of the sites for construction.
- Assist to prepare and obtain well permits.

Assumption: District will pay or arrange for well permits fees. DWR or the GSAs will prepare CEQA documentation.

Deliverables: None.

Task 3: Management Action #1: Amend Well Ordinance

A management action was proposed in the GSP to potentially modify the County's Well Ordinance to 1) Create surface water depletion protection zones near rivers and sloughs. Include minimum sanitary seal

and screen depth requirements to limit direct interconnection to surface water and surface water depletion benefitting surface water species and groundwater dependent ecosystems, and 2) Well spacing requirements for high-capacity irrigation or municipal wells from domestic wells to prevent having dry domestic wells reported in the Subbasin. It was planned that these activities would occur over a two-year period with the first step being to assess how other agencies have approached setting requirements and the second to provide technical support. To assist the County in these efforts GEI will:

- Contact DWR to obtain an approximate release date of the new California Well Standards and potential times for counties to adopt new well ordinances to establish an internal schedule for completion of potential permit amendments.
- Review the County's existing well ordinance and assess whether these proposed requirements are already addressed or where the permit might be modified to incorporate such changes.
- Review Sacramento County Well Ordinance that has Consultation Zone requirements for new wells to be constructed within 2,000 feet of a known groundwater contamination plume as a similar approach could be used. Discuss how they established the distance from the plumes.
- Review the Stanislaus County well ordinance for permitting requirements, as they have already had to deal with high-capacity wells affecting nearby wells and surface water depletion and now requires CEQA analysis for new wells.
- Meet with County well permitting agency personnel to discuss options and requirements of how the County might be able to incorporate the potential management actions into their well permitting ordinance and what type of additional documentation or studies are needed.
- Evaluate the definition of "high-capacity" wells used in other well ordinances.

The results of this work are to provide an informed foundation of how potential changes could occur with potential studies to provide additional supportive material prior to changes occurring within the next two to three years.

Assumption: County to arrange for up to one meeting with their well permitting agency personnel and GEI. In FY2023-24 technical studies will be performed to provide information justifying the setbacks.

Deliverables: Draft and Final TM summary of existing well permitting regulations and meeting notes summary the discussions, options and required technical studies.

Task 4: Data Management System and Website Upgrades and Maintenance

GEI designed and prepared a website that included a Groundwater Communication Portal (GCP) in FY 2019-20 to help the Tracy Subbasin Groundwater Sustainability Agencies (GSAs) fulfill the stakeholder and engagement requirements of the Sustainable Groundwater Management Act (SGMA) and the accompanying Groundwater Sustainability Plan (GSP) Regulations. A data management system (DMS) was also developed to store groundwater use, groundwater level and water quality data.

This scope of services describes the elements to upgrade and maintain the Tracy Subbasin website and DMS. The website and DMS are currently stored on GEI servers. GEI has developed and purchased a client on a unique URL for the website. GEI will:

- Continue to host the website and Groundwater Communications Portal and pay the URL fee for FY 2022-23.

- Discuss with the GSAs and set up security levels for access to the DMS for input of groundwater level and pumping data.
- Import groundwater levels from wells under RWQCB regulatory programs into the DMS.
- Improve the DMS to include a listing of groundwater wells and their historic pumping and update through October 2023.
- Continue to maintain the TSb website.
- Provide minor upgrades to the website as requested based on time and materials

Assumption: GEI will continue to host the website and DMS on GEI servers for a fee of \$1,000 annually. Post meeting notices, agenda and outreach documentation to the website will be performed by Stantec under a separate contract with the County. More extensive upgrades may require additional funding.

Deliverables: Working and upgraded website and DMS.

Task 5: Public Outreach

During the year, several meetings will be required to share information. GEI will:

- Attend a meeting with DWR to discuss C2VSim model, water budget and steps moving forward.
- Meet with prepare and attend 24 weekly project management meetings to coordinate preparation of annual reports, monthly and quarterly meetings.
- Prepare and present at four monthly Technical Committee meetings, during Annual Report preparation and release.
- Prepare and present at three quarterly Technical Committee meeting.
- Prepare the findings of the Annual Report and present at one public meeting.

Assumption: All meetings will be virtual, no travel required. Weekly project management meetings will be held one-month prior to the anticipated meetings to develop agendas, organize and develop assignments for presentation materials. Stantec will develop meeting agendas, meeting notes and advertisements for the meetings under a separate contract.

Deliverables: Components for Board packages and meeting presentations.

Task 6 – Resolution of Annual Report Information

During the water year, the following activities will be performed prior to preparing the annual report, to improve the accuracy of groundwater pumping estimates, will include:

- Prepare maps for the City of Tracy (Tracy) and Banta-Carbona Irrigation District (BBID) to show the known location of irrigation wells from the SGMA data viewer and list of wells that could not be located for both agencies to field check and confirm where groundwater pumping by agriculture could occur.
- Incorporate the locations, of Tracy and BBID field verified irrigation wells, into the DMS.
- Review DWR's new list of wells monitored for potential inclusion into the groundwater contouring.

- Communicate with San Joaquin County to obtain production data from small community water systems.
- Investigate with City of Lathrop water supply amount to Rabbit Habitat area.

The work will not only improve the Annual Reporting and improve on the accuracy of the estimated water use but will also benefit the 5-year GSP update by converting from DWR well locations to proven well locations.

Assumption: The City of Tracy and BCID will perform field canvases to locate wells, whether they have flow meters, total depths, and a photo of the power meter.

Deliverables: Maps showing location of irrigation wells within each GSA. Updated GSP Figure 3-15, showing the count of irrigation wells by section.

Task 7 – AEM Survey Findings Assessment

DWR has completed Airborne Electromagnetic (AEM) surveys throughout the state to assist in the definition of the vertical and horizontal extent of aquifers and confining beds. DWR's contractor flew the Subbasin in April 2022 and has indicated the survey results will be available about 8 to 12 months after the flight. This task is to review the preliminary data provided by DWR to understand whether the Corcoran clay extends beyond the Non-Delta Management Area and whether the aquifers beneath it could receive recharge from the Delta waterways.

If the Corcoran clay is shown to extend across the entire Subbasin it could eliminate pumping from under the Corcoran clay as potentially decreasing surface water and reduce monitoring and reporting.

Assumption: DWR will release the results in February 2023.

Deliverables: A brief TM describing any concerns about the data and interpretation and the extent of the Corcoran clay, to support revisions to the Hydrogeologic Conceptual Model section of the GSP.

GENERAL PROJECT SCHEDULE

The schedule for the first four tasks described above will be completed during the FY 2022-23 as shown on Figure 1. The Annual Report preparation will take precedence in late 2022 and be completed by April 1, 2023. The timing for review of information for the AEM surveys will be completed in early WY 2023, dependent upon release of the preliminary data from DWR. Site walks with DWR for approval of the TSS applications and drilling is anticipated to be completed in late 2022. Website updates will be performed within the first two months of authorization to proceed, with continual maintenance of the site through the remainder of the year. Continued monthly meetings will commence in January and quarterly meetings will begin in June 2022 along with a public meeting to present the Annual Report results to the public.

COST ESTIMATE

We propose to complete the project on a time-and-materials basis with a not-to-be exceeded total budget for \$134,994. Table 2 provides the cost distribution by GSA based on the 2022-23 fiscal budget distribution. Attached is our 2022 Standard Rate Schedule.

Mr. Matt Zidar
San Joaquin County Public Works
May 25, 2022
Page 6

We look forward to continuing to assist you with managing of your water resources. If you have any questions, please contact Richard Shatz via email at RShatz@geiconsultants.com or via phone at 916.631.4566.

Respectfully submitted,

GEI Consultants, Inc.



Richard W. Shatz, P.G., C.E.G., CH.G.
Principal Hydrogeologist



Michael Cornelius, P.G.
Vice President/Principal Geologist

**Table 1
Summary of Costs
On-Call Services 2022-23
Tracy Subbasin**

Task No.	Description												Expenses		Total Cost
		Grade 8 (Cornelius)	Grade 7 (Shatz, Miller)	Grade 6	Grade 5 (Pascol, Irving)	Grade 4	Grade 3 (Storey, Heidari)	Grade 2 (Espinoza, Yap)	Grade 1	CAD/GIS	Admin	Subtotals		Expenses	
												Hrs	Cost		
		\$318 /hr	\$284 /hr	\$239 /hr	\$210 /hr	\$178 /hr	\$159 /hr	\$145 /hr	\$132 /hr	\$159 /hr	\$118 /hr				
TASK 1 - Annual Report		8	48	0	2	0	60	37	0	20	8	183	\$35,625	\$27,600	\$63,225
TASK 2 - Technical Support Services		0	12	0	0	0	26	0	0	0	0	38	\$7,542	\$0	\$7,542
Task 3 - Management Action #1		0	13	0	0	0	39	0	0	0	4	56	10,365	\$0	\$10,365
TASK 4 - DMS and Website Upgrades and Maintenance		0	6	0	54	0	0	40	0	0	0	100	\$18,844	\$1,000	\$19,844
TASK 5 - Public Outreach		0	74	0	0	0	0	0	0	0	0	74	\$21,016	\$0	\$21,016
TASK 6: Resolution of Annual Report Information		0	5	0	0	0	4	8	0	10	0	27	\$4,806	\$0	\$4,806
TASK 7: AEM Information Support		2	16	0	0	0	16	0	0	0	4	38	\$8,196	\$0	\$8,196
	Total	10	174	0	56	0	145	85	0	30	16	516	\$106,394	\$28,600	\$134,994

**Table 2
Summary of Costs
On-Call Services 2022-23
Tracy Subbasin**

Task No.	100	Total Cost	Cost by GSA						
			BBID	BCID	City of Lathrop	City of Tracy	San Joaquin County	Stewart Tract	
TASK 1 - Annual Report		\$63,225	\$7,928	\$5,336	\$8,820	\$16,065	\$22,970	\$2,105	
TASK 2 - Technical Support Services		\$7,542	\$946	\$637	\$1,052	\$1,916	\$2,740	\$251	
Task 3 - Management Action #1		\$10,365	\$1,300	\$875	\$1,446	\$2,634	\$3,766	\$345	
TASK 4 - DMS and Website Upgrades and Maintenance		\$19,844	\$2,488	\$1,675	\$2,768	\$5,042	\$7,209	\$661	
TASK 5 - Public Outreach		\$21,016	\$2,635	\$1,774	\$2,932	\$5,340	\$7,635	\$700	
TASK 6: Resolution of Annual Report Information		\$4,806	\$603	\$406	\$670	\$1,221	\$1,746	\$160	
TASK 7: AEM Information Support		\$8,196	\$1,028	\$692	\$1,143	\$2,083	\$2,978	\$273	
		Total	\$134,994	\$16,928	\$11,393	\$18,832	\$34,302	\$49,043	\$4,495

FY 2022-23	12.54%	8.44%	13.95%	25.41%	36.33%	3.33%
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FEE SCHEDULE

<u>Personnel Category</u>	<i>Hourly Billing Rate</i> \$ per hour
Staff Professional – Grade 1	\$ 132
Staff Professional – Grade 2	\$ 145
Project Professional – Grade 3	\$ 159
Project Professional – Grade 4	\$ 178
Senior Professional – Grade 5	\$ 210
Senior Professional – Grade 6	\$ 239
Senior Professional – Grade 7	\$ 284
Senior Consultant – Grade 8	\$ 318
Senior Consultant – Grade 9	\$ 388
Senior Principal – Grade 10	\$ 388

Senior Drafter and Designer	\$ 159
Drafter / Designer and Senior Technician	\$ 145
Field Professional	\$ 119
Technician, Word Processor, Administrative Staff	\$ 118
Office Aide	\$ 92

These rates are billed for both regular and overtime hours in all categories.

Rates will increase up to 5% annually, at GEI's option, for all contracts that extend beyond twelve (12) months after the date of the contract. Rates for Deposition and Testimony are increased 1.5 times.

OTHER PROJECT COSTS

Subconsultants, Subcontractors and Other Project Expenses - All costs for subconsultants, subcontractors and other project expenses will be billed at cost plus a 15% service charge. Examples of such expenses ordinarily charged to projects are subcontractors; subconsultants: chemical laboratory charges; rented or leased field and laboratory equipment; outside printing and reproduction; communications and mailing charges; reproduction expenses; shipping costs for samples and equipment; disposal of samples; rental vehicles; fares for travel on public carriers; special fees for insurance certificates, permits, licenses, etc.; fees for restoration of paving or land due to field exploration, etc.; state and local sales and use taxes and state taxes on GEI fees. The 15% service charge will not apply to GEI-owned equipment and vehicles or in-house reproduction expenses.

Field and Laboratory Equipment Billing Rates – GEI-owned field and laboratory equipment such as pumps, sampling equipment, monitoring instrumentation, field density equipment, portable gas chromatographs, etc. will be billed at a daily, weekly, or monthly rate, as needed for the project. Expendable supplies are billed at a unit rate.

Transportation and Subsistence - Automobile expenses for GEI or employee owned cars will be charged at the rate per mile set by the Internal Revenue Service for tax purposes plus tolls and parking charges or at a day rate negotiated for each project. When required for a project, four-wheel drive vehicles owned by GEI or the employees will be billed at a daily rate appropriate for those vehicles. Per diem living costs for personnel on assignment away from their home office will be negotiated for each project.

PAYMENT TERMS

Invoices will be submitted monthly or upon completion of a specified scope of service, as described in the accompanying contract (proposal, project, or agreement document that is signed and dated by GEI and CLIENT).

Payment is due upon receipt of the invoice. Interest will accrue at the rate of 1% of the invoice amount per month, for amounts that remain unpaid more than 30 days after the invoice date. All payments will be made by either check or electronic transfer to the address specified by GEI and will include reference to GEI's invoice number.

Table B-2
Tracy Subbasin GSP 5-Year Implementation Revenue (Non-Delta Management Area)
Revision Date: 4-19-22

GSA	Eitable Percents				Subtotal	Zone 2 County Funded Credit	Total GSA Shared Fund Contribution	Total Funding
	0.6	0.2	0.2	Based on Net Groundwater Pumping				
	0.6	0.2	0.2			Max Zone 2 Revenue \$85,000		
Byron-Bethany Irrigation District	\$4,121	\$6,233	\$8,077	\$18,431	(\$8,230)	\$26,661	\$29,337	
BBID (Alameda County)	\$0	\$2,598	\$78	\$2,676		\$2,676		
Banta-Carbona Irrigation District	\$3,572	\$6,572	\$928	\$11,072	(\$8,678)	\$19,749	\$19,749	
City of Lathrop	\$20,437	\$3,020	\$5,200	\$28,657	(\$3,988)	\$32,645	\$32,645	
City of Tracy	\$18,621	\$6,526	\$25,696	\$50,844	(\$8,617)	\$59,461	\$59,461	
Stewart Tract	\$0	\$2,396	\$2,228	\$4,624	(\$3,163)	\$7,787	\$7,787	
County of San Joaquin (Zone 2)	\$93,637	\$19,450	\$4,589	\$117,676	\$117,676		\$85,000	
Total	\$140,388	\$46,796	\$46,796	\$233,980	\$85,000	\$148,980	\$233,980	

Table B-1 TSb GSP Implementation Fiscal Budgets - Revised and Actual Cost versus Budget

Description	Local	Shared GSA	DWR Services/Grant Funded/TSS	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2005-26
EXPENSES								
Regulatory Requirements								
Monthly Groundwater Level Monitoring								
San Joaquin County (4 wells monthly)	X			\$11,520	\$11,520	\$11,520	\$11,520	\$11,520
BBID (3 well monthly)	X			\$8,640	\$8,640	\$8,640	\$8,640	\$8,640
BCID (2 new well, monthly)	X			\$2,880	\$2,880	\$2,880	\$2,880	\$2,880
City of Tracy (5 wells monthly)	X			\$14,400	\$14,400	\$14,400	\$14,400	\$14,400
City of Lathrop (no wells)	X			\$0	\$0	\$0	\$0	\$0
Regulatory Compliance (9 wells quarterly)	X							
DWR (6 wells quarterly)			X	\$2,880	\$2,880	\$2,880	\$2,880	\$2,880
Annual Water Quality Monitoring								
PWS Wells:	X							
City of Tracy (4 wells)	X			\$1,460	\$1,460	\$1,460	\$1,460	\$1,460
City of Lathrop (1 well)	X			\$365	\$365	\$365	\$365	\$365
IRLP Wells (2 wells)	X			\$0	\$0	\$0	\$0	\$0
Annual Reports		X		\$70,000	\$50,000	\$50,000	\$50,000	\$50,000
GSP Revisions (DWR comments)		X				\$50,000		
5-Year GSP Update		X	X					\$100,000
Spreadsheet Model		X	X			\$100,000	\$100,000	\$60,000
DMS maintenance	X	X		\$20,000	\$20,000	\$20,000	\$20,000	\$10,000
Data Gaps:		X		\$15,000				
New Monitoring Wells:								
MW-101 (Tracy)	X		X	\$5,000				
MW-102 (County)	X		X	\$5,000				
MW-201 (BBID)	X		X	\$5,000				
MW-202 (BBID/Mtn House)	X		X	\$5,000				
MW-203 (BCID)	X		X	\$5,000				
MW-204 (County)	X		X	\$5,000				
GDE Assessment		X				\$30,000		
Program Management and Administrative Expenses								
Quarterly TSb Tech Coordination Meetings (4)								
Public Outreach		X		\$1,940	\$1,940	\$1,940	\$1,940	\$1,940
Hydrographs+ MT and MO (22)		X		\$6,600	\$6,600	\$6,600	\$6,600	\$6,600
Water quality		X		\$500	\$500	\$500	\$500	\$500
Progress Towards Filling Data Gaps		X		\$500	\$500	\$500	\$500	\$500
Progress Towards Projects and Actions		X		\$500	\$500	\$500	\$500	\$500
Meeting Minutes		X		\$500	\$500	\$500	\$500	\$500
TSb Tech Comm Meetings (Semi - Annual instead of quarterly)								
Annual Public Meetings				\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
Interbasin Quarterly Meeting Attendance								
ECCC Subbasin (BBID)	X							
ESSJ Subbasin (SJC)	X							
DMSb (???)		X		\$1,440	\$1,440	\$1,440	\$1,440	\$1,440
Solano Subbasin (???)		X						
Interbasin Annual Meeting Attendance								
Administrative								
Lead Agency (San Joaquin County) with assistance from Stantec		X		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
BBID	X			\$4,600	\$4,600	\$6,200	\$7,800	\$7,800
BCID	X			\$4,600	\$4,600	\$6,200	\$7,800	\$7,800
City of Tracy	X			\$4,600	\$4,600	\$6,200	\$7,800	\$7,800
City of Lathrop	X			\$4,600	\$4,600	\$6,200	\$7,800	\$7,800
Stewart Tract	X			\$4,600	\$4,600	\$6,200	\$7,800	\$7,800
San Joaquin County	X							
Professional Services								
Communications Specialist		X						
Hydrogeologist		X						
Legal (San Joaquin)	X							
Project Development Work for Grant Development		X						
Grant Writing		X						
Project and Management Actions								
Project 1: BCID Expansion of Facilities	X		X					
Project 2: City of Tracy ASR wells	X		X					
Project 3:								
Management Action 1: Amend Well Ordinance		X			\$10,000	\$10,000		
Total Expenses				\$267,125	\$212,125	\$400,125	\$318,125	\$368,125

Shared Costs - Annual Expenses	\$171,980	\$146,980	\$326,980	\$236,980	\$286,980
5-year Cost					\$1,169,900
Average 5-year Cost	\$233,980	\$233,980	\$233,980	\$233,980	\$233,980

Table B-1 TSb GSP Implementation Fiscal Budgets - Revised and Actual Cost versus Budget

Description	Local	Shared GSA	DWR Services/Grant Funded/TSS	FY2021-22	FY2022-23	FY2023-24	FY2024-25	FY2005-26
EXPENSES								
Local Costs - Annual Expenses				\$95,145	\$65,145	\$73,145	\$81,145	\$81,145
BBID	X			\$23,240	\$13,240	\$14,840	\$16,440	\$16,440
BCID	X			\$12,480	\$7,480	\$9,080	\$10,680	\$10,680
City of Tracy	X			\$25,460	\$20,460	\$22,060	\$23,660	\$23,660
City of Lathrop	X			\$4,965	\$4,965	\$6,565	\$8,165	\$8,165
Stewart Tract	X			\$4,600	\$4,600	\$6,200	\$7,800	\$7,800
San Joaquin County	X			\$21,520	\$11,520	\$11,520	\$11,520	\$11,520
DWR			X	\$2,880	\$2,880	\$2,880	\$2,880	\$2,880
REVENUE - For Shared Costs Only								
Grant Funded (assume only 50%)								
Zone 2 Funding				\$85,000	\$85,000	\$85,000	\$85,000	\$85,000
Funds from GSAs (total)				\$148,980	\$148,980	\$148,980	\$148,980	\$148,980
Total Costs (Zone 2 + Grants + Funds from GSAs)				\$233,980	\$233,980	\$233,980	\$233,980	\$233,980
Projected Reserve/cumulative				\$62,000	\$149,000	\$56,000	\$53,000	\$0

Notes:

- First 5 years no increase for inflation, thereafter 3% markup per year
- Annual Reports due April 1 and 5-year GSP Updates due January 31
- Accuracy of budget estimates should be rounded upward to nearest \$10,000

Projected Reserve/cumulative	\$62,000	\$149,000	\$56,000	\$53,000	\$0
GEI (Tasks 1-5, 6a, 6b)	\$107,404	\$134,994			
Stantec		\$23,613			
County Administrative	\$30,000	\$30,000			
Subtotal	\$137,404	\$188,607			
Budget vs Actual	\$34,576	(\$41,627)			
Projected Reserve/cumulative	\$96,576	\$141,949			