

**AMENDMENT NO. 1
TO THE
PROFESSIONAL SERVICE AGREEMENT
BY AND BETWEEN
THE SIERRA VALLEY GROUNDWATER MANAGEMENT DISTRICT
AND
LARRY WALKER ASSOCIATES, INC.
FOR SUSTAINABLE GROUNDWATER SERVICES**

WHEREAS, an agreement was entered into the 17th day of August, 2020, (“Agreement”) by and between the SIERRA VALLEY GROUNDWATER MANAGEMENT DISTRICT (“DISTRICT”), and LARRY WALKER ASSOCIATES, INC. (“CONTRACTOR”), to provide sustainable groundwater services; and

WHEREAS, the Agreement provides for a termination date of December 31, 2022; and

WHEREAS, the parties wish to amend the following parts of the Agreement:

1. The Scope of Services (Exhibit A);
2. The Budget and Bill Rate Schedules (Exhibit B);
3. The Schedule for services (Exhibit C); and
4. Section 2.12 (Maximum Cost to District).

WHEREAS, the Agreement provides for amendments;

NOW, THEREFORE, the parties hereto agree to the following:

1. Amend and restate the Scope of Services (Exhibit A) in its entirety with the Scope of Services (Exhibit A) attached hereto.
2. Amend and restate the Budget and Bill Rate Schedules (Exhibit B) in its entirety with the Budget and Bill Rate Schedules (Exhibit B) attached hereto.
3. Amend and restate the Schedule for services (Exhibit C) in its entirety with the Schedule for services (Exhibit C) attached hereto.
4. Amend and restate Section 2.12 (Maximum Cost to District) in its entirety with the following: Notwithstanding any other provision of this Agreement, in no event shall the cost to District for the services to be provided hereunder exceed the maximum sum of \$1,302,058.

In all other respects, the terms of the Agreement are affirmed.

IN WITNESS WHEREOF, the parties hereto have executed this Amendment as of March 15, 2021.

DISTRICT:

CONTRACTOR:

By: _____

Einen Grandi
Board of Directors Chair

By: _____

Brian Laursen
Vice President

Date: _____

Date: _____

Approved as to form:

By: _____

David Prentice
District Counsel

EXHIBIT A SCOPE OF SERVICES

Project Title: Sierra Valley Subbasin Groundwater Sustainability Plan (GSP) Development (Project)

Project Description: This Work Plan includes activities associated with the planning, development, and preparation of a GSP for the Sierra Valley Basin by the Sierra Valley Groundwater Management District (District). The resulting GSP will incorporate appropriate Best Management Practices (BMPs) as developed by the California Department of Water Resources (DWR), and will result in a more complete understanding of the groundwater subbasin to support long-term sustainable groundwater management.

Task 1. Category (a): Grant Agreement Administration

Contractor will provide overall program management and grant administration support to allow completion of the GSP according to the schedule provided in Exhibit C to this Agreement. Contractor will prepare reports detailing work completed during reporting period as outlined in Exhibit F, "Report Formats and Requirements" of the DWR Grant Agreement. Progress Reports will include sufficient information for DWR Grant Manager to understand and review backup documentation submitted with invoices. Quarterly invoices will accompany the Quarterly Progress Reports and should be submitted to the DWR Grant Manager for review to receive reimbursement of Eligible Project Costs. Contractor will collect and organize backup documentation by task and prepare a summary Excel document detailing contents of the backup documentation organized by task.

Contractor will prepare a Draft Grant Completion Report and submit to District and DWR for Project Manager's comments and review no later than 90 days prior to the work completion date (October 31, 2022) listed on Page 1, Paragraph 2 of the DWR Grant Agreement.

Contractor will prepare a Final Grant Completion Report addressing the DWR Project Manager's comments and submit within 30 days prior to the work completion date listed on Page 1, Paragraph 2. The reports will be prepared and presented in accordance with the provisions of Exhibit F of the DWR Grant Agreement. All deliverables shall be submitted prior to the Final Grant Completion Report submittal as outlined on the approved deliverable due date schedule.

Contractor will work with the District to prepare a Category (d) Monitoring / Assessment task approach strategy no later than December 31, 2020 that includes a scope, schedule, and budget for each of the four tasks listed on Pages 12-14 of the DWR Grant Agreement.

Contractor may support a Request for Proposal process to complete Category (d) tasks.

Deliverables:

- Environmental Information Form (EIF) <DONE BY DISTRICT>
- Deliverable Due Date Schedule <DONE BY DISTRICT>
- Quarterly Progress Reports, Quarterly Invoices, and all required backup documentation
- Grant Completion Report (Draft and Final)
- Category (d) Monitoring / Assessment Task Approach Strategy

Task 2. Category (b): Stakeholder Engagement / Outreach

Contractor will engage stakeholders and other interested parties, provide information necessary to understand Sustainable Groundwater Management Act (SGMA) related activities, and engage other Groundwater Sustainability Agencies (GSAs) and agencies about their concerns and questions. Contractor includes Judie Talbot, a professional facilitator who will guide the stakeholder engagement process through GSP adoption, consistent with DWR guidance document recommendations and guidelines.

Ms. Talbot, in coordination with the rest of the project team, will update, as needed, the Stakeholder Communications and Engagement Plan.

One of the first facilitation tasks will be to work with the GSAs to create a Roles & Commitments document describing the anticipated work of the Technical Advisory Committee (TAC), and select TAC members. Contractor will work with the District to form an interdisciplinary TAC that includes individuals who are willing to lend their expertise to the GSP development and implementation. The TAC will review, comment, and advise during GSP development regarding technical issues relevant to GSP development tasks.

Contractor will maintain and share contact list within the project team. Additionally, Contractor will develop a negotiation and consensus building process, as requested for support in reaching agreement(s) on controversial GSP element(s). Contractor will also develop outreach material and identify methods to share information with stakeholders, public, member agencies, and GSA(s). Conduct meetings.

Contractor will engage the Plumas National Forest and the Maidu, Paiute, and Washoe tribes with Plumas County as the primary point of contact on the SGMA process with regards to tribal water rights, and tribal lands. Plumas County will connect with Plumas National Forest representatives to confer and discuss Tribal engagement. Input and recommendations from the Tribes will guide the preferred approach for Tribal participation in the GSP process. Contractor and Plumas County will consult with DWR's Office of Tribal Policy Advisor for guidance.

Deliverables:

- TAC Roles & Commitments
- Stakeholder Communication and Engagement Plan
- Presentation materials for Technical Meetings
- Meeting summaries included as attachments in the Quarterly Progress Report

Task 3. Category (c): GSP Development

Contractor will work with the GSAs and other stakeholders to build on studies, reports, and other existing data and documents to prepare a GSP that meets the SGMA regulations. Contractor will work collaboratively with the TAC to reach consensus whenever possible on the GSP as it is developed. The GSP will be adjusted and modified, as necessary, to respond to stakeholder input. Deliverables listed below will be submitted electronically through an online reporting system.

Activities to develop the GSP and sections included within the GSP are described below.

3.1. Initial Notification of GSP Preparation

As needed, Contractor will work with the District to prepare the initial notification of Draft GSP preparation and submit to DWR, the District, and local agencies, TAC, distribute to the stakeholder and other interested parties email list, and post on the District website.

3.2. Data Collection and Analysis

To compile, evaluate, and analyze data necessary for development of the GSP, the existing data, reports, and studies will be summarized and used by Contractor to identify data gaps. A data gap data analysis and a workplan to address those data gaps will be prepared to guide the development of the Contractor's suggestions regarding installation locations for additional monitoring wells and stream gages, if necessary.

Fundamental to developing and implementing a successful GSP is knowledge of the current and historical hydrogeologic conditions in the basin. Critical to this effort is development of the data management system (DMS). The DMS is a GSP requirement that consolidates different data types and data from various sources into an organized and consistent form. Contractor will develop a DMS for Sierra Valley using a framework developed for other GSPs that integrates multiple hydrologic data sets collected by various agencies into a single, consistent format. This will allow different types of data to be added, retrieved, and processed efficiently. Tools will be developed that automatically extract values from the database to create plots and tables that are needed for the GSP and for annual reporting. The DMS will store and manage a wide array of data including water levels, water quality, pumping data, land use/crop mapping, soils, subsidence, jurisdictional administrative boundaries, management areas, geology, GDEs and watershed boundaries.

A map-based web interface will be developed that allows data to be accessed via an internet browser window. This will allow the District, TAC, and stakeholders to quickly and efficiently view the data used to develop the GSP and will facilitate decision making and development of the various technical elements of the GSP.

3.3. Integrated Hydrologic Modeling

Contractor will evaluate the available options and develop an integrated hydrologic model for the Basin by compiling, evaluating, and comparing simulated and local water budget information. Contractor will work with the District to select and Contractor will refine an integrated hydrologic model for water budget development and other GSP model scenario analysis. Other tasks for Contractor include develop model scenarios to support evaluation of potential projects and management actions or other analysis, complete model runs, and evaluate model results. .

3.4. GSP Administrative Information

Contractor to compile and organize information necessary for completing GSP Administrative Information section.

3.5. Basin Setting

The GSP Basin Setting section for the Basin will be developed including, but not limited to, management areas as applicable, hydrogeologic conceptual model, current and historical groundwater conditions, and water budget. Development of a new integrated hydrologic model (as the UC Davis model is unavailable) to evaluate historical, current, and future groundwater and surface-water conditions in the Sierra Valley will greatly assist GSP development efforts. Contractor's approach shall leverage previous modeling efforts, as appropriate, to develop an integrated hydrologic model (<https://bit.ly/3d37R9y>) capable of simulating the physical flow processes occurring over different spatial and temporal scales. This approach results in: assimilation of multiple conceptual models and data sets into a single model, ability to test and refine conceptual understanding of the hydrologic system, development of balanced water budgets, evaluation of potential climate change impacts, and management scenario testing. Contractor will engage with stakeholders throughout the process.

3.6. (a) Sustainable Management Criteria and (b) Data Gap and Monitoring Network Assessment for Sustainable Management Criteria

GSP Sustainable Management Criteria will be developed for the Basin, including analysis and determination of Sustainability Goals, Undesirable Results, Minimum Thresholds, Measurable Objectives, as appropriate. The District has prioritized all the SGMA defined sustainability indicators except seawater intrusion. Contractor has a unique approach to the definition of Sustainable Management Criteria (SMC) using continuous stakeholder involvement which allows the project team to effectively work in parallel on setting the basics for SMC development while still working on the data collection and model development described above. Local determination of sustainability hinges on understanding impacts to beneficial uses and users of the Basin and local input is fundamental to success. A stakeholder-driven process, informed by modeling and information gathered, is used to define a preliminary sustainability goal with identification of minimum thresholds and measurable objectives that are refined through an iterative process. Data gaps and appropriate monitoring networks will also be identified for each SMC during this process.

3.7. Projects and Management Actions

Projects and Management Actions will be developed to achieve Sustainability Goals for the Basin, describe the implementation feasibility, and the method by which each will be evaluated for effectiveness. Contractor will work with the GSAs and stakeholders to generate proposed projects and management actions as needed to address undesirable outcomes. Contractor will establish performance criteria and measures based on sustainability criteria and, if possible, project metrics that can be monitored and/or modeled. Benefit evaluation will consider metrics of importance to the community and utilize procedures to evaluate multiple types of benefits (e.g., economic, social, environmental).

3.8. GSP Production and Submittal

Contractor will compile the completed Draft GSP and prepare the Draft for adoption by the GSA's Board.

Provide a minimum 45 day Draft GSP review and comment period by District and TAC. Provide a minimum of 90-day notice to local cities and counties for GSP review. Contractor to prepare responses to public comments.

A public notice will posted for the hearing to adopt the GSP. Contractor will assist with conducting the public hearing to adopt the GSP.

Summaries of these activities will be included in the Quarterly Progress Report(s).

The adopted GSP will be submitted to the SGMA Portal no later than January 31, 2022 and the email response from the SGMA Portal will be submitted to the District and DWR's Project Manager within 24 hours.

Deliverables:

- Data Gap Analysis Technical Memorandum
- Data Collection Work Plan
- Data Management System
- Draft GSP
- Adopted GSP
- Proof of Adopted GSP submittal to DWR

Task 4. Category (d): Monitoring Networks and Data Management

4.1. Protocols for Data Collection and Monitoring

As part of the assessment of existing monitoring networks, Contractor will identify and compile existing monitoring and data collection protocols being used by other GSAs and local agencies and, evaluate these protocols for consistency with GSP regulations. Protocols will be updated as necessary to meet GSP requirements. These protocols will be documented as required (Reg. §352.2) and the final monitoring protocols for GSP data will be included in the Monitoring Network section of the GSP.

4.2. Data and Reporting Standards

In combination with Task 4.1, past and future data procedures and reporting standards will be compiled, checked, and evaluated to verify compliance with GSP regulations. Existing data will be compiled and evaluated for use in the GSP preparation. This effort will be coordinated with and supplement the data collection and analysis process being conducted under the Category (c) work effort. Data will be corrected, reformatted, and qualified as needed. This evaluation will be used to determine data gaps; and provide data gap information for use in the development of the Monitoring Network(s).

4.3. Data Management System (DMS)

Work under Task 4.3 will be used to augment and enhance the DMS initially developed by the Contractor under the Category (c) Task 3.2 work effort to be consistent with the GSP regulations. The DMS developed under Category (c) Task 3.2 will be updated based on project needs, cost, ease of use and stakeholder input regarding the initial DMS. The DMS developed by the Contractor under Category (c) will be expanded to better support model and monitoring program development by incorporating data needed to evaluate network needs, approaches to addressing data gaps, evaluation of future scenarios, and to allow for future data collection. Features will be added to the DMS to help automate annual reporting and certain data-driven portions of the GSP beyond creating the tables and plots developed under Category (c). The DMS will incorporate a front-facing interface to better support public engagement and communication throughout GSP development and implementation. The expanded DMS will be tested prior to finalizing the DMS system.

In addition, the integrated hydrologic model will be better designed to support evaluating current data needs, integrating future data collection, and minimizing monitoring costs. The integrated hydrologic model can be used to investigate how best to address data gaps within Sierra Valley. By evaluating data within the model framework, the Contractor can evaluate where the optimal placement of new monitoring equipment should occur, if required. This provides a value-added service by minimizing the chance of over-designing the monitoring network. Evaluating data through the integrated hydrologic model will also provide justification that the Data Collection Work Plan is robust for GSP purposes and will inform development of the monitoring networks under Task 4.4.

4.4 (a). Subsidence Network

The focus of this effort will be to evaluate existing ground level monitoring points for the ability to effectively monitor subsidence and to ascertain significance and unreasonable effects. It is assumed that, existing monitoring equipment will be used (DWR InSAR data, Caltrans data) and additional instrumentation will be installed only if necessary and

completed by others (McGinley & Associates). The feasibility of using existing data, tools and other resources will be evaluated as described below and evaluation of subsidence will be coordinated as much as possible with existing efforts. In addition, the relationship between subsidence and groundwater levels will be evaluated to determine if groundwater level data can support evaluation and tracking of subsidence. The Contractor will establish, map, and describe level monitoring points or areas and others (McGinley & Associates) work with the District to obtain landowner access agreements, where necessary, if installation of monuments for the network is recommended. Sample datasets will be developed to ensure data monitoring, management and analyses will be consistent with DMS data management and processing tools. Additional tools will be identified for inclusion in the GSP and the reporting structure and standard operating procedures (SOPs) will be finalized.

Statewide subsidence data is provided from the Interferometric Synthetic Aperture Radar (InSAR) satellite data. DWR has contracted TRE Altamira to make this data available for medium priority and above Bulletin 118 groundwater basins. These are the only known data estimating vertical subsidence for the entire basin area in this GSP. The TRE Altamira InSAR dataset currently provides estimates of total vertical displacement from June 2015 to September 2019 and is expected to be updated annually by DWR. This data will be integrated to provide basin-wide monitoring of subsidence on an annual basis.

In addition to State/DWR data, work by Plumas County Public Works Department Roads Division and Caltrans will be reviewed and incorporated into the analysis and future monitoring of subsidence as applicable.

4.4 (b). Groundwater Well Network Expansion Utilizing CASGEM

Contractor will work with the District to identify CASGEM wells (and available private wells) to address spatial or temporal data gaps defined in the GSP or in collaboration with the GSP effort. Contractor will verify potential groundwater level wells for suitability (e.g., access, instrumentation suitability, internal video log of considered wells, location). All monitoring point data required for the GSP will be developed, including surveying well elevations and establishing appropriate location data for all district monitoring wells. Public outreach to engage well owners and consultation with DWR regarding existing monitoring activities will also be included in this effort. To the extent feasible, the monitoring network will rely on existing wells and will coordinate with current monitoring programs conducted by other agencies (e.g., DWR CASGEM monitoring).

Based on this evaluation, the groundwater level monitoring network will be developed by others (McGinley & Associates) under Category (d) Task 6.

4.4 (d). Groundwater Dependent Ecosystems (GDE)

Based on the analysis under Category (c), approaches for GDE monitoring will be developed and assessed including, but not limited to, the use of streamflow gages, shallow piezometers, and/or satellite imagery. Potential funding and implementation partners will be identified based on monitoring goals and value, including outside of SGMA and for broader ecosystem/environmental assessment. CEQA review and permitting for GDE monitoring installations of streamflow gages and/or shallow piezometers or other instrumentation, as recommended, will be performed by others (McGinley & Associates) under Category (d) Task 6.

4.5. Financial and Economic Resources Assessment and Estimate of GSP Implementation Costs

Contractor will conduct this effort to quantify the sustainable financial resources and develop cost structures for potential monitoring network alternatives using best available data, estimate required funding levels for each, and discuss data products and their use and value. Sustainability indicators will be considered that are currently or at risk of becoming significant and unreasonable. Contractor will recommend cost savings opportunities and consider alternative funding sources. Contractor will also coordinate with stakeholders to ensure that recommendations are consistent with the District's priorities.

Based upon the analysis and potential monitoring network alternatives identified and developed in Tasks 4.1 through 4.4, a robust cost structure will be created with associated relevant attributes. Each attribute will be well-described qualitatively and quantitatively (where possible) to support optimal cost-value decision-making. This includes evaluation of use and value, as well as sustainability over time. "Real world" practical experience with groundwater monitoring systems and networks throughout California will be an integral part of the associated cost structure attributes descriptions.

Next, based upon this financial/value analysis, recommendations will be made for the optimal monitoring network, along with potential cost saving alternatives. Finally, typical and alternative funding sources (e.g., property related fees, regulatory fee, benefits assessments, impact fees, permit fees, water charges, etc.) will be described along with pro and con descriptions and recommendations.

Deliverables:

- Technical memorandum on development of DMS – to be included in GSP as an appendix
- Technical memorandum describing monitoring network assessment and identified data gaps to be used to assist with coordination of monitoring networks by others (McGinley & Associates) in Category (d) Task 6
- Financial and Economic Resources Assessment Technical Memorandum – required GSP section

Task 6. Category (d): Monitoring Networks

Contractor will coordinate with others (McGinley & Associates) to provide information needed for the implementation of the monitoring networks based on the work conducted in Task 4.4.

Deliverables:

- None/coordination task

EXHIBIT B - BUDGET

Task	Larry Walker Associates				DBS&A						Judie Talbot	Kennedy Jenks	Stillwater Science	Balance Hydrologic	SCI	Estimated Fee Proposal
	Associates	Senior Engineer	Staff Engineer	Sub-Total	Principal II	Senior I Professional	Senior II Programmer	Staff III Professional	Staff II Professional	Sub-Total	Sub-Total	Sub-Total	Sub-Total	Sub-Total	Sub-Total	
	Categories (a) - (c) rates	\$266	\$239	\$206	\$260	\$215	\$190	\$145	\$135	\$135						
Category (d) rates	\$274	\$246	\$212		\$265	\$215	\$190	\$148	\$137							
Task 1. Category (a) Grant Agreement Administration																
Serve as the General Project Manager	80	80		\$ 40,400						\$ -			\$ 6,000			
Manage overall project implementation				\$ -						\$ -			\$ 4,000			
Generate quarterly progress reports, invoices and documentation				\$ -						\$ -			\$ 3,000			
Create a draft Grant Completion report				\$ -						\$ -			\$ 3,000			
Complete a Final Grant Completion report				\$ -						\$ -			\$ 3,000			
Review GSA policies and contracting procedures				\$ -						\$ -			\$ 4,000			
Task Subtotal	80	80	0	\$ 40,400						\$ -	\$ -	\$ 23,000	\$ -			\$ 63,400
Task 2. Category (b) Stakeholder Engagement/Outreach																
Engage with tribes	12	24		\$ 8,928						\$ -		\$ -				
Outreach, stakeholder engagement and facilitation, update plan	40	60	40	\$ 33,220	20				24	\$ 8,440	540	\$ 72,900				
Presentation materials for technical meetings	24	24		\$ 12,120	20				40	\$ 10,600		\$ -				
Meeting summaries for the quarterly progress report	16			\$ 4,256						\$ -		\$ -				
Task Subtotal				\$ 58,524						\$ 19,040		\$ 72,900	\$ -	\$ -		\$ 150,464
Task 3. Category (c) GSP Development																
3.1 Initial Notification of GSP Preparation				\$ -						\$ -			\$ 5,000			
3.2 Data Collection and Analysis		8	40	\$ 10,152			40	60	80	\$ 27,100			\$ 16,294	\$ 15,000		
3.3 Integrated Hydrologic Modeling	24	24	60	\$ 24,480	100	200		600	800	\$ 264,000						
3.4 GSP Administrative Information	20	24		\$ 11,056						\$ -						
3.5 Basin Setting		24	40	\$ 13,976	60			160	160	\$ 60,400						
3.6 (a) Sustainable Management Criteria	80	120	200	\$ 91,160						\$ -			\$ 17,337	\$ 10,000		
3.6 (b) Data Gap and Monitoring Network Assessment for SMC	8	20	120	\$ 31,628						\$ -			\$ 5,592	\$ 10,000		
3.7 Projects and Management Actions	40	60	180	\$ 62,060						\$ -		\$ 14,000	\$ 5,935			
3.8 GSP Production and Submittal	72	40	80	\$ 45,192						\$ -		\$ 60,000				
Task Subtotal	244	320	720	\$ 289,704						\$ 351,500	\$ -	\$ 79,000	\$ 45,158	\$ 35,000		\$ 800,362
Task 4. Category (d) - Monitoring Networks and Data Management																
4.1 Protocols for Data Collection and Monitoring	24	40	80	\$ 33,376						\$ -						\$ 33,376
4.2 Data and Reporting Standards	20	24	40	\$ 19,864						\$ -		\$ -				\$ 19,864
4.3 Data Management System	20		13	\$ 8,236	40			120	160	\$ 50,280	20	\$ 2,700				\$ 61,216
4.4 (a) Subsidence network	20	40	80	\$ 32,280						\$ -		\$ -				\$ 32,280
4.4 (b) Well Network expansion using CASGEM	20	40	80	\$ 32,280						\$ -	20	\$ 2,700		\$ 15,000		\$ 49,980
4.4 (d) Groundwater Dependent Ecosystems	4	16		\$ 5,032						\$ -		\$ -	\$ 8,500	\$ 40,000		\$ 53,532
4.5 Financial and Economic Resources Assessment	16			\$ 4,384						\$ -	20	\$ 2,700			\$ 22,500	\$ 29,584
Task Subtotal	124	160	293	\$ 135,452						\$ 50,280	\$ 8,100	\$ -	\$ 8,500	\$ 55,000	\$ 22,500	\$ 279,832
Task 6. Category (d) - Monitoring Networks																
Coordinate with others (McGinley & Associates)	12		12	\$ 5,832						\$ -				\$ 2,168		\$ 8,000
Task Subtotal	12		12	\$ 5,832						\$ -	\$ -	\$ -	\$ -	\$ 2,168	\$ -	\$ 8,000
Total=																
Categories (a) - (c) Subtotal				\$ 388,628						\$ 370,540	\$ 72,900	\$ 102,000	\$ 45,158	\$ 35,000	\$ -	\$ 1,014,226
Category (d) Subtotal				\$ 141,284						\$ 50,280	\$ 8,100	\$ -	\$ 8,500	\$ 57,168	\$ 22,500	\$ 287,832
TOTAL				\$ 529,912						\$ 420,820	\$ 81,000	\$ 102,000	\$ 53,658	\$ 92,168	\$ 22,500	\$ 1,302,058

LARRY WALKER ASSOCIATES

Rate Schedule

PERSONNEL	Rate \$/Hour	REIMBURSABLE COSTS
<i>Administrative</i>	\$ 93	Travel:
<i>Contract Administrator (Andrew)</i>	\$129	Local mileage Current IRS rate
		Transportation Actual expense
		Auto rental Actual commercial rate
<i>Project Staff I-C</i>	\$119	Fares Actual expense
		Room Actual expense
<i>Project Staff I-B</i>	\$152	Subsistence ⁽¹⁾ \$48 per day
<i>Project Staff I-A</i>	\$180	The rate for each meal as follows: ⁽¹⁾
		Breakfast \$ 9
<i>Project Staff II-B</i>	\$191	Lunch \$13
		Dinner \$21
<i>Project Staff II-A</i>	\$212	Incidentals \$ 5
<i>Senior Staff</i>	\$246	Report Reproduction and Copying:
<i>Associate</i>	\$274	Actual expense
		Black and white copy, in-house \$0.08
<i>Vice President</i>	\$299	Color copy, in-house \$0.89
		Binding, in-house \$1.95
<i>Executive VP</i>	\$312	Special Postage and Express Mail:
<i>Senior Executive</i>	\$328	Actual expense
<i>President</i>	\$328	Other Direct Costs:
		Actual expense
		Daily Equipment Rental Rates:
		Single parameter meters & equipment \$ 30
		Digital Flow Meter \$ 60
		Multi-parameter field meters & sondes \$100
		Dye/tracer mapping or residence time \$200
		Multi-parameter continuous remote sensing \$ 40
		Subcontractors:
		Actual expense plus 10% fee

Note: ⁽¹⁾ Charged when overnight lodging is required.

DBSA Rates

Principal Professional II	\$260	Morgan, Tony
Staff Professional II	\$135	Tolley, Gus
Senior Professional I	\$215	Botros, Farag
Senior Professional I	\$215	Schnaar, Gregory
Staff Professional II	\$135	Schwartz, Kaelyn
Staff Professional III	\$145	Erbele, Hannah
Senior Professional II	\$190	Buczek, Gregory

Judie Talbot Rate

\$135/hour

Client/Address: Larry Walker Associates, Inc
 1480 Drew Avenue, Suite 100
 Davis, CA 95618

Contract/Proposal Date: August 12, 2020

Custom Schedule of Charges

Date: August 12, 2020

PERSONNEL COMPENSATION

Classification	Hourly Rate
Engineer-Scientist-Specialist 1	\$134
Engineer-Scientist-Specialist 2	\$170
Engineer-Scientist-Specialist 3	\$191
Engineer-Scientist-Specialist 4	\$206
Engineer-Scientist-Specialist 5	\$227
Engineer-Scientist-Specialist 6	\$252
Engineer-Scientist-Specialist 7	\$278
Engineer-Scientist-Specialist 8	\$299
Engineer-Scientist-Specialist 9	\$314
CAD-Technician	\$124
Senior CAD-Technician	\$144
CAD-Designer	\$160
Senior CAD-Designer	\$180
Project Administrator	\$134
Administrative Assistant	\$113
Aide.....	\$88

In addition to the above Hourly Rates, a four percent Communications Surcharge will be added to Personnel Compensation for normal and incidental copies, communications and postage.

Direct Expenses

Reimbursement for direct expenses, as listed below, incurred in connection with the work, will be at cost plus ten percent for items such as:

- a. Maps, photographs, 3rd party reproductions, 3rd party printing, equipment rental, and special supplies related to the work.
- b. Consultants, soils engineers, surveyors, contractors, and other outside services.
- c. Rented vehicles, local public transportation and taxis, travel and subsistence.
- d. Project specific telecommunications and delivery charges.
- e. Special fees, insurance, permits, and licenses applicable to the work.
- f. Outside computer processing, computation, and proprietary programs purchased for the work.

Reimbursement for vehicles used in connection with the work will be at the federally approved mileage rates or at a negotiated monthly rate.

If prevailing wage rates apply, the above billing rates will be adjusted as appropriate.

Overtime for non-exempt employees will be billed at one and a half times the Hourly Rates specified above.

Rates for professional staff for legal proceedings or as expert witnesses will be at rates one and one-half times the Hourly Rates specified above.

Excise and gross receipts taxes, if any, will be added as a direct expense.

The foregoing Schedule of Charges is incorporated into the agreement for the services provided.



Stillwater Sciences Hourly Billing Rates

Billing Classification	Billing Rate
S/A 1	68
S/A 2	80
S/A 3	88
S/E 4	98
S/E 5	104
S/E 6	112
S/E 7	119
S/E 8	123
S/E 9	132
S/E 10	140
S/E 11	151
S/E 12	159
S/E 13	169
S/E 14	179
S/E 15	191
S/E 16	206
S/E 17	230
S/E 18	242
S/E 19	257
S/E 20	273

S/A = Scientist/Administrator; S/E = Scientist/Engineer

These are applied for labor-hour level-of-effort contracts with reimbursement for expenses (including travel expenses and subcontractors) at cost plus 10%.

2855 Telegraph Avenue
Suite 400
Berkeley, CA 94705
510.848.8098

279 Cousteau Place
Suite 400
Davis, CA 95618
530.756.7550

850 G Street
Suite K
Arcata, CA 95521
707.822.9607

895 Napa Avenue
Suite B-4
Morro Bay, CA 93442
805.570.7499

555 W. 5th Street
35th Floor
Los Angeles, CA 90013
424.302.3910

108 NW Ninth Avenue
Suite 202
Portland, OR 97209
503.267.9006

***PROFESSIONAL FEE SCHEDULE
BALANCE HYDROLOGICS, INC.**

Scientific and Engineering Staff[†]	<u>Hourly Rate</u>
Senior Principal	\$245
Principal II	\$220
Principal I	\$210
Senior Professional	\$190
Project Professional	\$180
Senior Staff Professional	\$165
Staff Professional	\$140
Assistant Professional	\$130
Junior Professional	\$125
Support Staff	
GIS Senior Analyst	\$135
GIS/CADD Analyst	\$125
GIS/CADD Assistant Analyst	\$105
Senior Project Administrator	\$125
Senior Report Specialist	\$105
Report Specialist	\$95
Hydrologic Technician	\$95

- Mileage will be charged at \$0.64/mile (2WD) and \$0.67/mile (4WD, if 4WD needed).
- Rental vehicles will be charged at cost + 10%.
- Nominal use charges are applied for certain field and analytical instruments; fees vary with the nature, duration, and frequency of use. Rate schedule available on request.
- Per diem rates will be charged according to those rates set by the General Services Administration (www.gsa.gov) based on location, or nearest location to project site.
- Project-related expenses will be billed at cost plus 10%, including work by outside consultants and analytical or testing laboratories.
- Certain surcharges and minimums apply to courtroom or hearing testimony; particulars available upon request.

[†] Includes environmental scientists and engineers practicing in hydrology, geology, soil and watershed sciences, and civil and erosion-control engineering.

EXHIBIT C - SCHEDULE

Item	2020				2021				2022									
	Q3			Q4	Q1			Q2	Q3			Q4						
	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Contracting																		
Execute Professional Service Agreement																		
Execute Amendment No. 1 to the Professional Service Agreement																		
Task 1. Category (a) -Grant Agreement Administration																		
Environmental Information Form - confirm submittal																		
Quarterly Invoicing and Progress Reports (due 30 days following quarter end)																		
Coordination and Communication																		
Task 2. Category (b) -Stakeholder Engagement/ Outreach																		
Initial outreach/Technical Advisory Committee formation																		
Public Workshops (Review model and Basin Setting, Discuss Sustainability Goals, Workshops for each SMC)																		
Task 3. Category (c) -GSP Development																		
3.1 - Initial Notification of GSP Preparation (if needed)																		
3.2 - Data Collection and Analysis																		
3.3 - Integrated Hydrologic Modeling																		
3.4 - GSP Administrative Information (Chapter 1)																		
3.5 - Basin Setting (Chapter 2)																		
3.6 - (a) Sustainable Management Criteria (Chapter 3) / (b) Data Gap and Monitoring Network Assessment for SMC concurrent with																		
3.7 - Projects and Management Actions (Chapter 4)																		
Discuss overall basin sustainability																		
SMC for Groundwater Quality and Subsidence																		
SMC for Surface water depletion and GDEs																		
SMC for Groundwater levels and storage, other SMC																		
3.8 GSP Production and Submittal																		
Plan Implementation (Chapter 5)																		
Draft GSP (including Chapter 6 - References and Technical Studies)																		
GSP Adoption by District Board																		
GSP Submittal																		
Task 4. Category (d) - Monitoring Networks and Data Management																		
4.1 Protocols for Data Collection and Monitoring																		
4.2 Data and Reporting Standards																		
4.3 Data Management System																		
4.4 Monitoring Networks																		
(a) Subsidence network																		
(b) Well Network expansion using CASGEM																		
(d) Groundwater Dependent Ecosystems																		
4.5 Financial and Economic Resources Assessment																		
Task 6. Category (d) - Monitoring Networks																		
Coordinate with others (McKinley & Associates)																		

LEGEND

- LWA Team Action
- Deliverable
- Client Action