



# San Gabriel Basin Water Quality Authority

1720 W. Cameron Avenue, Suite 100, West Covina, CA 91790 • 626-338-5555 • Fax 626-338-5775

**WQA ADMINISTRATIVE/FINANCE COMMITTEE  
AND SPECIAL MEETING OF THE BOARD OF DIRECTORS  
TO BE HELD ON TUESDAY, OCTOBER 11, 2022 AT 10:00 A.M.  
AT  
1720 W. CAMERON AVE., SUITE 100 IN WEST COVINA, CA**

*With passage and signing of AB 361 and in light of the ongoing Statewide State of Emergency originally declared by Governor Newsom on March 4, 2020, WQA Board Meetings will continue to be conducted via remote teleconferencing, subject to the requirements of Government Code Section 54953(e). Members of the public can participate remotely via Zoom following the instructions provided below. Members of the public may also submit comments in writing to [Stephanie@wqa.com](mailto:Stephanie@wqa.com) which comments will be distributed to the members of the Board, provided such written comments are received prior to the meeting start time. To address the Board during the meeting you may use the "raise hand" feature and you will be called up on when appropriate.*

**To attend the meeting please register in advance at:**

[https://us06web.zoom.us/webinar/register/WN\\_Bd1oXsE4SBWHxzWnkOu3ng](https://us06web.zoom.us/webinar/register/WN_Bd1oXsE4SBWHxzWnkOu3ng)

**A confirmation email will be sent to you with instructions on how to join the meeting virtually or a call-in option**

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*\*The Administrative/Finance Committee meeting is noticed as a joint committee meeting with the Board of Directors for the purpose of compliance with the Brown Act. Members of the Board that are not assigned to the Administrative/Finance Committee may attend and participate as members of the Board, whether or not a quorum of the Board is present. In order to preserve the function of the Committee as advisory to the Board, members of the Board who are not assigned to the Administrative/Finance Committee will not vote on matters before the Committee*

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## **AGENDA**

**Committee Members:** Mike Whitehead, Lynda Noriega and Mark Paulson

**Liaison Member:** Dave Michalko

- I. Call to Order
- II. Public Comment
- III. Discussion Regarding WQA Meeting Format [enc]
- IV. Discussion Regarding Database and Animation Update Task Order for West Yost [enc]
- V. Executive Director's Report
- VI. Adjournment



# San Gabriel Basin Water Quality Authority

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## AGENDA SUBMITTAL

**To:** Administrative/Finance Committee  
**From:** Randy Schoellerman, Executive Director  
**Date:** October 11, 2022  
**Subject:** **WQA Meeting Format**

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### **Summary**

On September 13, 2022, California Governor Gavin Newsom signed Assembly Bill 2449 into law. Effective January 1, 2023, AB 2449 effectively creates four periods with differing options for remote access to, and member attendance of, local agency public meetings under the Ralph M. Brown Act ("Brown Act"). These options are detailed in the attached memorandum prepared by legal counsel. Staff is recommending that the committee review the options for consideration of a remote meeting policy.

### **Recommendation/Proposed Action**

Discuss remote meeting options for policy consideration.

### **Attachment:**

*Overview of Assembly Bill 2449 Modifying Brown Act Teleconferencing Procedures*



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500 SOUTH GRAND AVENUE ■ 12TH FLOOR ■ LOS ANGELES, CA 90071  
PHONE 213.744.0099 ■ FAX 213.744.0093

## MEMORANDUM

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To: San Gabriel Basin Water Quality Authority

From: General Legal Counsel

Date: October 5, 2022

Subject: **Overview of Assembly Bill 2449 Modifying Brown Act Teleconferencing Procedures**

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### EXECUTIVE SUMMARY

On September 13, 2022, California Governor Gavin Newsom signed Assembly Bill 2449 (“AB 2449”) into law. Effective January 1, 2023, AB 2449 establishes four periods with differing options for remote access to, and member attendance of, local agency public meetings under the Ralph M. Brown Act (“Brown Act”).

- **From the present to January 1, 2023**, public agencies may choose between traditional, pre-COVID teleconferencing rules or, to the extent there is an ongoing declared state of emergency, the significantly relaxed rules afforded under AB 361.
- **From January 1, 2023 to January 1, 2024**, public agencies may also avail themselves of a set of new procedures established under AB 2449 which do not require a declared state of emergency but which are subject to certain requirements and restrictions, including limitations on the number of times a member may participate remotely and limitations on the types of circumstances under which a member is allowed to participate remotely. During this period, public agencies may continue to avail themselves of traditional pre-COVID teleconferencing rules and, to the extent there is an ongoing declared state of emergency, the relaxed rules of AB 361.
- **From January 1, 2024 to January 1, 2026**, public agencies may avail themselves of the traditional, pre-COVID procedures and the new procedures of AB 2449 only. The procedures of AB 361 will cease to be effective by this time.
- **After January 1, 2026**, public agencies will only be able to avail themselves of the traditional, pre-COVID teleconferencing rules.

This memorandum focuses on the rules unique to AB 2449 which more or less constitute a procedural middle-ground between what is required under traditional teleconferencing procedures and the significantly relaxed procedures permitted under AB 361 during a declared state of emergency.

### **OVERVIEW OF AB 2449 REMOTE PARTICIPATION PROCEDURES**

To avail itself of the teleconferencing rules established under AB 2449, a public agency must comply with the following meeting requirements:

- 1) A quorum of the members of the agency's legislative body must participate in person from a singular physical location identified on the agenda;
- 2) The legislative body must provide either (i) a two-way audiovisual platform, such as Zoom or WebEx, which allows the meeting to be viewed and heard from a remote location, or (ii) a two-way telephonic service and a live webcasting of the meeting, this requirement may be satisfied with any combination of platforms that allows the meeting to be viewed and heard from a remote location;
- 3) The agenda must give notice of the means by which members of the public may access the meeting and offer public comment; and
- 4) The meeting must be paused (and no action may be taken), if the broadcasting platform, either audio or visual, is interrupted.

If a member of a legislative body wishes to participate remotely under the new procedures, all of the following requirements, (1) through (4), below, must apply:

- 1) The request to remotely participate must be on the basis of a circumstance that qualifies as a **“just cause”** or **“emergency”** circumstance within the meaning of AB 2449:
  - (i) Just Cause Circumstance: At the earliest opportunity possible (including at the start of a regular meeting), the requesting member must notify the legislative body that he/she has a **“just cause”** reason for participating remotely. The request must generally describe the specific circumstances that prevent in person participation. Under AB 2449, **“just cause”** is specifically defined to mean any of the following circumstances:
    - a. A childcare or caregiving need of a child, parent, grandparent, grandchild, sibling, spouse, or domestic partner that requires them to participate remotely;
    - b. A contagious illness that prevents a member from attending in person;
    - c. A need related to certain statutorily defined forms of physical or mental disability;  
or
    - d. Travel while on official business of the public agency or for another state or local agency.

It is important to note that under AB 2449, members are limited to a maximum of two (2) times per calendar year to invoke the **“just cause”** exception to in-person participation.

- (ii) Emergency Circumstance: An “**emergency circumstance**” is defined to mean a “*physical or family medical emergency that prevents a member from attending a meeting in person.*” To invoke the “**emergency circumstance**” exception, the requesting member, as soon as possible, must request that the legislative body allow him/her to participate remotely due to some specified “**emergency circumstance.**” In turn, the member’s legislative body must take action to approve the request at the earliest opportunity. The legislative body shall also request a general description (not exceeding 20 words) that describes the circumstances relating to the requesting members “emergency.” The requesting member is not, however, required to disclose any medical diagnosis or disability, or any personal medical information that is already exempt under existing law. The member must also make a separate request for each meeting in which he/she seeks to participate remotely under the “emergency” exception.

Participation via teleconference under the “emergency circumstance” exception *does not* count toward the two-meeting limitation applicable to the “just cause” exception to in-person participation.

- 2) The member must publicly disclose at the meeting before any action is taken, whether any other individuals 18 years of age or older are present in the room at the remote location with the member, and the general nature of the member’s relationship with any such individuals.
- 3) The member must participate through *both* audio and visual technology.
- 4) A member’s remote participation may not exceed (i) three consecutive months, or (ii) 20% of a legislative body’s regular meetings within a single calendar year. Also, if the legislative body regularly meets fewer than 10 times per calendar year, a member’s participation from a remote location cannot be for more than two meetings total.

### **CONCLUSION AND RECOMMENDATION**

AB 2449 establishes teleconferencing procedures that are not as stringent or involved as traditional, pre-COVID procedures but not as relaxed as those afforded under AB 361 when a declared state of emergency and other requirements of AB 361 are in place. It should be noted that AB 2449 does not do away with traditional teleconferencing procedures which survive all four phases of AB 2449 referenced in the Executive Summary above. AB 2449 does seem intended to eventually take the place of the procedures established under AB 361 but only until AB 361 expires under its own terms on January 1, 2024.

AB 2449 does not spell out how to resolve instances when multiple members wish to avail themselves of the “just cause” or “emergency circumstance” exceptions at the same time and in excess of the number members who may participate remotely at any one meeting. Accordingly, it may be advisable to establish policies for resolving these situations (e.g., establishing a “first come first serve” policy etc.).

If you have any further questions, please feel free to contact our office.



# San Gabriel Basin Water Quality Authority

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## AGENDA SUBMITTAL

**To:** Administrative/Finance Committee  
**From:** Randy Schoellerman  
**Date:** October 11, 2022  
**Subject:** Database and Animation Update Task Order for West Yost.

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### **Summary**

Staff is requesting authorization to issue a Task Order to West Yost to update WQA's integrated groundwater database and animations for the San Gabriel Valley.

### **Discussion**

West Yost formerly known as Wildermuth Environmental, Inc. created an integrated groundwater database for WQA and developed four groundwater animations that show the historical movement of the contaminant plume in the San Gabriel Basin. This information has been helpful as a public relations tool to inform the public and elected officials about the impact the groundwater remediation efforts are having on the various contaminant plumes.

WQA Policy 10-Professional Services Consultant Selection requires staff to complete a Single/Sole source justification form for Class IV and V contracts when requesting procurement of services without providing for full and open competition. The West Yost proposal falls under Class IV classification range of \$50,000 to \$250,000.

Staff is recommending authorizing the single/sole source justification form and issue a Task Order to West Yost \$69,159 to update WQA's groundwater database and animations through June 2022.

### **Recommendation / Proposed Actions**

Recommend authorization of the Single/Sole source justification form and Task Order to West Yost not to exceed \$69,159 to update WQA's groundwater database and animations to the Board for approval.

### **Attachment:**

*Exhibit A-Authority Single/Sole Source Justification Form  
West Yost Proposal to update database and animations*

## EXHIBIT A- AUTHORITY SINGLE/SOLE SOURCE JUSTIFICATION FORM

When a request is made for a non-competitive service and the solicitation of services is limited to a single source, the requesting staff must complete the following sole source justification if the service dollar amount falls within Classes IV or V. The sole source shall be authorized by the Board as part of the approval process of the services.

Service: Database and Animation Update

Vendor: West Yost

Estimated Dollar Amount \$69,159

Please check all applicable categories below and provide additional information where indicated:

- ☐ 1. The requested services require unique knowledge, technical skills, design and/or performance specifications or quality requirements that have not been found or are not available from similar consultants. Identify unique features and why they are required (not merely preferred):

Have you contacted other consultants or vendors to evaluate services with similar capabilities? If no, explain why not. If yes, list vendors/consultants and explain why their services do not meet the department's needs.

- ☐ 2. The services to be provided are a continuation of an existing contract, or a follow-up to work previously performed.
- ☐ 3. Services are available only from the manufacturer or designated service representative. Describe the unique qualifications, rights, licenses, etc. this vendor possesses and the distinctive service to be provided.
- ☐ 4. These services are requested in order to respond to an emergency declared by the Authority, by the state, a state agency, or political subdivision of the state and the reasons for the finding of the emergency are contained in the public records of the WQA.
- ☐ 5. Other:

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I am aware of the Authority's policy for Professional Services Consultant Selection and certify that the above information is accurate to the best of my knowledge.

Executive Director: \_\_\_\_\_ Date: \_\_\_\_\_





## EXHIBIT A- AUTHORITY SINGLE/SOLE SOURCE JUSTIFICATION FORM

When a request is made for a non-competitive service and the solicitation of services is limited to a single source, the requesting staff must complete the following sole source justification if the service dollar amount falls within Classes IV or V. The sole source shall be authorized by the Board as part of the approval process of the services.

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- ☐ 5. Other:

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I am aware of the Authority's policy for Professional Services Consultant Selection and certify that the above information is accurate to the best of my knowledge.

Executive Director: Randy Schullerman Date: 10/6/22



23692 Birtcher Drive  
Lake Forest CA 92630

949.420.3030 phone  
530.756.5991 fax  
westyost.com

July 18, 2022

SENT VIA: EMAIL

Dan Colby  
Assistant Executive Director/Senior Project Manager  
San Gabriel Basin Water Quality Authority  
1720 W. Cameron Avenue, Suite 100  
West Covina, CA 91790

**SUBJECT: 2022 Update of the Groundwater Database for the San Gabriel Basin and Animations of Contaminant Plumes**

Dear Mr. Colby:

Thank you for the opportunity to submit this letter proposal to support the San Gabriel Basin Water Quality Authority (WQA) with engineering services required to: update its groundwater database for the San Gabriel Basin through June 2022 using HydroDaVE Managed Services (HDMS), and update four (4) animations of the various Operable Unit (OU) contaminant plumes over the period 1990 to 2022.

## **BACKGROUND**

In early 2018, West Yost (formally Wildermuth Environmental Inc. [WEI]), migrated the US Environmental Protection Agency's (EPA) groundwater database for the San Gabriel Basin compiled by EA Engineers (EPA database) into HDMS for the period of 1967 to March 2017 and set up access for WQA staff to view the data in HydroDaVE. In late 2018, West Yost updated HDMS with the latest EPA database prepared by EA Engineers through June 2018, and used the data to prepare the following four water-quality animations of contaminant plumes in the San Gabriel Basin:

1. Animation of total trichloroethene and tetrachloroethene (TCE+PCE) concentrations for the Baldwin Park Operable Unit (BPOU) plume from 1990 to 2018.
2. Animation of perchlorate concentrations for the BPOU plume from 1990 to 2018.
3. Animation of the total contaminants of concern (total COC) for the BPOU plume, as represented by total TCE+PCE+perchlorate concentrations, from 1990 to 2018.
4. Animation of total COC for all OUs in the San Gabriel Basin, as represented by total TCE+PCE+perchlorate concentrations, from 2000 to 2018.

Starting in November 2020, West Yost performed another update of HDMS with the groundwater data from the EPA database prepared by EA Engineers through June 2020 and used the data to update the four (4) animations of groundwater contaminant plumes in the San Gabriel Basin through June 2020. This proposal is to update HDMS with the EPA database groundwater data through June 2022 and use the data to update the animations of groundwater contaminant plumes in the San Gabriel Basin through June 2022.

## SCOPE OF SERVICES

Table 1 is a line-item cost estimate to update the groundwater database for the San Gabriel Basin in HDMS and use the data to update the four animations of the contaminant plumes in the basin through June 2022. The scope of work includes the following major tasks:

- Task 1:** Migrate the latest EPA database (updated through June 2022) into HDMS
- Task 2:** Update three (3) animations of the TCE+PCE, perchlorate, and total COC plumes for the BPOU through June 2022
- Task 3:** Update animation of total COC plumes for all OUs in the San Gabriel Basin
- Task 4:** Project Management

### Task 1. Migrate the latest EPA Database (updated through June 2022) into HDMS

The last EPA database collected from EA Engineering and uploaded to HDMS included data through about September 2020. The objective of this task is to collect the latest EPA database from EA Engineering and upload the groundwater-quality and groundwater-level data to HDMS. EA Engineering is continually updating the EPA database with data as it becomes available from various data sources. By the beginning of November 2022, the EPA database is expected to be complete with all data in the San Gabriel Basin through June 2022. The database will be collected from EA Engineering in November 2022 and queried to determine which data is updated data by well since the last database update performed in 2020. All newly available groundwater-quality and groundwater-level data through June 2022 will be processed, uploaded to HDMS, and reviewed for QA/QC.

#### Task 1 Assumptions

- EA Engineers will have completed the update of all groundwater data in the EPA database through June 2022 by early November 2022.

#### Task 1 Deliverables

- West Yost will upload all newly available groundwater quality and groundwater level data through June 2022 to HDMS.

### Task 2. Update Three Animations for the BPOU through 2022 for TCE+PCE, Perchlorate, and Total COC plumes

This task includes updating the three (3) different groundwater quality animations previously prepared for the BPOU for the period of 1990 through 2022, showing the constituent concentrations and spatial distribution of the contaminant plume for: 1) TCE+PCE, 2) perchlorate, and 3) total COC.

To update each of the three (3) BPOU animations through June 2022, raster files delineating the contaminant plumes concentration in June 2022 for perchlorate, TCE+PCE, and total COC will be prepared using maximum concentration data for the most recent three-year period of July 2019 through June 2022. The contaminant concentration data for the three-year period will be extracted from HDMS and used to calculate the maximum concentration value at each well. For animations showing more than one contaminant (i.e., PCE+TCE and total COC) the sum of the normalized concentration values for each contaminant (measured concentration divided by the primary maximum contaminant level for drinking water) will be calculated. The maximum concentration data for the recent three-year period of

July 2019 - June 2022 at each well will be compared to the maximum concentration data used to delineate the plume for the last update of the animations for 2020 (October 2017 to September 2020), to check for any significant changes between the two periods that will require further review and potentially re-delineation of a previous period.<sup>1</sup>

Point-shapefiles will be made from the well maximum concentration data and used to create rasters of the 2022 plume delineations using an ordinary kriging method performed with PyKriging, a kriging toolkit for Python. The rasters will be clipped based on the interpreted non-detect concentration boundary from the kriging results and/or the extent of the available data. A map of the rasterized plumes with the point-concentration data will be provided to WQA for review. Following this review, the rasters will be used to extend the animation of the plume concentrations from 2020 through 2022 using a linear interpolation method. Secondary information of total volume of water treated and total mass of contaminants removed for all OUs, and groundwater elevation at the Baldwin Park Key Well will be updated through 2022. A draft animation will be provided to the WQA for review. WQA comments on the draft animation will be addressed and a final animation will be prepared and delivered to the WQA.

The preparation of each of the three animations for the BPOU includes the following subtasks<sup>2</sup>:

- **Subtask 2.1** - Extract and review concentration data from HDMS for the period July 2019 to June 2022 and prepare point shapefile of maximum concentration data.
- **Subtask 2.2** - Prepare raster from point shapefile and clip.
- **Subtask 2.3** - Prepare image of draft raster with the maximum concentration data points and send to WQA Staff for review and edit if necessary.
- **Subtask 2.4** - Update animation of the plume through 2020 based on the raster prepared in Subtask 2.3.
- **Subtask 2.5** - Compile and format updated secondary data/information for the animation.
- **Subtask 2.6** - Prepare draft animation and send to WQA for review and comment.
- **Subtask 2.7** - Incorporate WQA comments, edit as necessary, and prepare final animation.

#### Task 2 Assumptions

- Assumes additional time for Subtasks 2.1 through 2.4 if it is determined that a plume re-delineation for a historical period is required due to newly available data that will impact the animation results.

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<sup>1</sup> During the effort to update the animations in 2020, new data was discovered in the EPA database provided by EA Engineering that was not available during the previous effort to prepare the 2018 animations that resulted in significant changes to how the plume delineations should be done for previous periods, and if the previous periods were not re-delineated with the newly available data the animations showed changes in the plume concentrations that were not accurate but were results of this newly discovered and available data not being used for the previous periods, and was also part of the time period being current to delineate the current. This check needs to be done in the early stages.

<sup>2</sup> If newly available data is found in the EPA database for a period prior to 2022 that will impact the changes shown in the animations due to this newly available data, Subtasks 2.1 through 2.4 (also 3.1 and 3.4) will be done for any previous period required (likely 2020).

#### **Task 2 Deliverables**

- West Yost will prepare 2022 maps of the draft rasterized plumes with the point-concentration data for the BPOU for perchlorate, TCE+PCE, and total COC.
- West Yost will prepare 2022 draft and final animations of the BPOU for perchlorate, TCE+PCE, and total COC.

### **Task 3. Update the Animation of Total COC Plumes for all OUs in the San Gabriel Basin through 2022**

This task includes updating the groundwater quality animation previously prepared for the period of 2000 to 2022 for the total COC contaminant plumes for all OUs within the San Gabriel Basin.

To update the basin-wide animation, an updated raster of the total COC plume for all OUs in the San Gabriel Basin will be prepared. This includes the El Monte, South El Monte, Puente Valley, Whittier Narrows, and Area 3 OUs. The same methods and steps described above to prepare the BPOU plume animations will be used to prepare the basin-wide animation.

The preparation of the animation includes the following subtasks:

- **Subtask 3.1** - Extract concentration data from HDMS for the period July 2019 to June 2022 and prepare point shapefile of maximum concentration data.
- **Subtask 3.2** - Prepare raster from point shapefile and clip.
- **Subtask 3.3** - Prepare image of draft raster with the maximum concentration data points and send to WQA Staff for review, and edit if necessary.
- **Subtask 3.4** - Update animation of the plumes through 2022 based on the raster prepared in Subtask 3.3
- **Subtask 3.5** - Compile and format updated secondary data/information for the animation.
- **Subtask 3.6** - Prepare draft animation and send to WQA for review and comment.
- **Subtask 3.7** - Incorporate WQA comments, edit as necessary, and prepare final animation.

#### **Task 3 Assumptions**

- Assumes additional time for Subtasks 3.1 through 3.4 if it is determined that a plume re-delineation for a historical period is required due to newly available data that will impact the animation results.

#### **Task 3 Deliverables**

- West Yost will prepare 2022 maps of the draft rasterized plumes with the point-concentration data for the five (5) other OU plumes for total COC.
- West Yost will prepare a 2022 draft and final animation of the basin-wide OU plumes for total COC.

### **Task 4. Project Management**

The objective of this task is to manage project staffing, schedule, and budget and coordinate with the WQA staff on project status. The project management task assumes initial project set up and a project duration of five months (November 2022 through March 2023).

**Table 1. Line-Item Fee Estimate to Perform the 2022 Update of the Groundwater Database for the San Gabriel Basin and Animations of Contaminant Plumes**

Task and Subtask Descriptions	Labor, days and dollars							Reimbursable Expenses dollars			Total Costs dollars	
	Principal Engineer/Geologist II (Chiang/ Malone)	Senior Scientist II (Weamer)	Scientist/Engineer II	Administrative IV	Task Repetition Multiplier	Total Person Days	Labor Cost dollars		Travel	Total		Task and Project
							Sub-Task	Task		Sub-Task	Task	
Task 1. Migrate the Latest EPA Database (updated through June 2022) into HDMS <sup>(a)</sup>							\$13,306					\$13,306
1.1 Collect, review, and query the EPA San Gabriel Database compiled by EA Engineering	0.5	1.0	0.0		1	1.5	\$3,304					\$3,304
1.2 Process, upload, and perform QA/QC of groundwater-quality data through June 2022		1.00	2.75		1	3.8	\$6,534					\$6,534
1.3 Process, upload, and perform QA/QC of groundwater-level data through June 2022		0.50	1.50		1	2.0	\$3,468					\$3,468
Task 2. Update Three Animations for the BPOU through 2022 for TCE+PCE, Perchlorate, and Total COC <sup>(b)</sup>							\$26,444					\$26,444
2.1 Extract concentration data from HDMS for the period July 2019 to June 2022 and prepare point shapefile of maximum concentration data		0.15	0.50		3	2.0	\$3,362					\$3,362
2.2 Prepare rasters from point shapefile and clip		0.25	0.75		3	3.0	\$5,408					\$5,408
2.3 Prepare image of draft raster with the data points and send to WQA Staff for review, and edit if necessary		0.15	0.25		3	1.2	\$2,263					\$2,263
2.4 Update animation of the plumes through 2022 based on the raster prepared in subtask 2.3	0.75	0.15	0.25		3	3.5	\$7,897					\$7,897
2.5 Compile and format updated secondary data/information for the animation	0.25	0.25			1	0.5	\$1,180					\$1,180
2.6 Prepare draft animation and send to WQA for review and comment	0.20	0.10			3	0.9	\$2,167					\$2,167
2.7 Incorporate WQA comments, edit as necessary, and prepare final animation	1.00	0.75			1	1.8	\$4,166					\$4,166
Task 3. Update the Animation of Total COC Plumes for all OUs in the San Gabriel Basin through 2022 <sup>(c)</sup>							\$26,476					\$26,476
3.1 Extract concentration data from HDMS for the period July 2019 to June 2022 and prepare point shapefile of maximum concentration data		0.15	0.40		5	2.8	\$5,038					\$5,038
3.2 Prepare raster from point shapefile and clip		0.25	0.75		5	5.0	\$9,100					\$9,100
3.3 Prepare image of draft raster with the data points and send to WQA Staff for review, and edit if necessary		0.10	0.25		5	1.8	\$3,218					\$3,218
3.4 Update animation of the plumes through 2022 based on the raster prepared in subtask 3.3	1.00	0.10	0.25		1	1.4	\$3,148					\$3,148
3.5 Compile and format updated secondary data/information for the animation	0.25	0.25			1	0.5	\$1,180					\$1,180
3.6 Prepare draft animation and send to WQA for review and comment	0.25	0.25			1	0.5	\$1,180					\$1,180
3.7 Incorporate WQA comments, edit as necessary, and prepare final animation	1.00	0.50			1	1.5	\$3,612					\$3,612
Task 4. Project Management <sup>(d)</sup>							\$3,293					\$3,293
4.1 Project management		0.25			6	1.5	\$3,293					\$3,293
<b>Project Totals</b>	<b>5</b>	<b>6</b>	<b>8</b>	<b>0</b>		<b>34.9</b>		<b>\$69,518.80</b>				<b>\$69,518.80</b>

**Notes:**

- (a) The database update work will occur between November and December 2022, so the cost is based on the 2022 rates.
- (b) The three BPOU animation work will occur between December 2022 and March 2023, so the cost are split between 2022 and 2023 rates.
- (c) The basin-wide animation work will occur between January and March 2023, so the cost is based on the 2023 rates.
- (d) Project management work will occur between November 2022 and March 2023, so the cost are split between 2022 and 2023 rates.

## PROJECT BUDGET AND SCEHDULE

West Yost's proposed level of effort and budget for each of the tasks described above are shown in Table 1. The services will be billed on a time-and-expenses basis, at the billing rates set forth in West Yost's attached 2022 - 2023 Billing Rate Schedule, with a not-to-exceed budget of \$69,518.80. Task 1 can start in November 2022 once EA Engineers has provided an updated EPA database through June 2022. Once Task 1 is completed, Task 2 and Task 3 will commence with the goal of completing all final animations within five months of project commencement.

Thank you for providing West Yost the opportunity to be of continued service to the WQA. We look forward to working with you on this important project. Please call if you have any questions or require additional information.

Sincerely,  
WEST YOST



Veva Weamer  
Supervising Scientist



Eric Chiang, PhD  
Principal Scientist

cc: Randy Schoellerman, P.E., General Manager, San Gabriel Basin Water Quality Authority

Attachment A: West Yost 2022 - 2023 Billing Rate Schedule



## Attachment A

### West Yost's 2022-2023 Billing Rate Schedule



# 2022 - 2023 Billing Rate Schedule

(Effective July 1, 2022 through December 31, 2023)



LABOR CHARGES (DOLLARS PER HOUR)			
POSITIONS	2022		2023
<b>ENGINEERING</b>			
Principal/Vice President	/ \$328	/	\$344
Engineer/Scientist/Geologist Manager II	/ \$324	/	\$341
Engineer/Scientist/Geologist Manager I	/ \$310	/	\$326
Principal Engineer/Scientist/Geologist II	/ \$298	/	\$313
Principal Engineer/Scientist/Geologist I	/ \$280	/	\$294
Senior Engineer/Scientist/Geologist II	/ \$264	/	\$277
Senior Engineer/Scientist/Geologist I	/ \$251	/	\$264
Associate Engineer/Scientist/Geologist II	/ \$231	/	\$242
Associate Engineer/Scientist/Geologist I	/ \$215	/	\$226
Engineer/Scientist/Geologist II	/ \$201	/	\$211
Engineer/Scientist/Geologist I	/ \$173	/	\$182
Engineering Aide	/ \$101	/	\$106
Field Monitoring Services	/ \$93	/	\$97
Administrative IV	/ \$148	/	\$156
Administrative III	/ \$134	/	\$141
Administrative II	/ \$112	/	\$118
Administrative I	/ \$89	/	\$93
<b>ENGINEERING TECHNOLOGY</b>			
Engineering Tech Manager II	/ \$324	/	\$341
Engineering Tech Manager I	/ \$322	/	\$339
Principal Tech Specialist II	/ \$306	/	\$321
Principal Tech Specialist I	/ \$296	/	\$310
Senior Tech Specialist II	/ \$283	/	\$297
Senior Tech Specialist I	/ \$271	/	\$284
Senior GIS Analyst	/ \$245	/	\$257
GIS Analyst	/ \$232	/	\$243
Technical Specialist IV	/ \$247	/	\$260
Technical Specialist III	/ \$221	/	\$233
Technical Specialist II	/ \$197	/	\$207
Technical Specialist I	/ \$173	/	\$182
Technical Analyst II	/ \$148	/	\$156
Technical Analyst I	/ \$124	/	\$130
Technical Analyst Intern	/ \$100	/	\$105
Cross-Connection Control Specialist IV	/ \$175	/	\$184
Cross-Connection Control Specialist III	/ \$157	/	\$164
Cross-Connection Control Specialist II	/ \$140	/	\$147
Cross-Connection Control Specialist I	/ \$129	/	\$135
CAD Manager	/ \$195	/	\$204
CAD Designer II	/ \$171	/	\$180
CAD Designer I	/ \$151	/	\$159

See page 2 for important additional information on rates

# 2022 - 2023 Billing Rate Schedule

(Effective July 1, 2022 through December 31, 2023)



LABOR CHARGES (DOLLARS PER HOUR)				
POSITIONS		2022		2023
CONSTRUCTION MANAGEMENT				
Senior Construction Manager	/	\$313	/	\$329
Construction Manager IV	/	\$275	/	\$289
Construction Manager III	/	\$217	/	\$228
Construction Manager II	/	\$205	/	\$215
Construction Manager I	/	\$191	/	\$200
Resident Inspector (Prevailing Wage Groups 1)	/	\$215	/	\$226
Resident Inspector (Prevailing Wage Groups 2)	/	\$207	/	\$217
Resident Inspector (Prevailing Wage Groups 3)	/	\$185	/	\$195
Resident Inspector (Prevailing Wage Groups 4)	/	\$167	/	\$175
Apprentice Inspector	/	\$151	/	\$159
CM Administrative II	/	\$109	/	\$115
CM Administrative I	/	\$81	/	\$85
Field Services	/	\$215	/	\$226

- Hourly rates include Technology and Communication charges such as general and CAD computer, software, telephone, routine in-house copies/prints, postage, miscellaneous supplies, and other incidental project expenses.
- Outside Services such as vendor reproductions, prints, shipping, and major West Yost reproduction efforts, as well as Engineering Supplies, etc. will be billed at actual cost plus 15%.
- The Federal Mileage Rate will be used for mileage charges and will be based on the Federal Mileage Rate applicable to when the mileage costs were incurred. Travel other than mileage will be billed at cost.
- Subconsultants will be billed at actual cost plus 10%.
- Expert witness, research, technical review, analysis, preparation and meetings billed at 150% of standard hourly rates. Expert witness testimony and depositions billed at 200% of standard hourly rates.
- A Finance Charge of 1.5% per month (an Annual Rate of 18%) on the unpaid balance will be added to invoice amounts if not paid within 45 days from the date of the invoice.

## 2022 - 2023 Billing Rate Schedule

(Effective July 1, 2022 through December 31, 2023)



EQUIPMENT CHARGES	BILLING RATES
2" Purge Pump & Control Box	\$270 / day
Aquacalc / Pygmy or AA Flow Meter	\$28 / day
Emergency SCADA System	\$35 / day
Gas Detector	\$80 / day
Generator	\$39 / day
Hydrant Pressure Gauge	\$10 / day
Hydrant Pressure Recorder, Impulse (Transient)	\$55 / day
Hydrant Pressure Recorder, Standard	\$40 / day
Low Flow Pump Controller	\$75 / day
Powers Water Level Meter	\$32 / day
Precision Water Level Meter	\$19 / day
Stainless Steel Wire per foot	\$0.03 / day
Storage Tank	\$15 / day
Sump Pump	\$24 / day
Transducer Components (per installation)	\$23 / day
Trimble GPS – Geo 7x	\$220 / day
Tube Length Counter	\$22 / day
Turbidity Meter	\$22 / day
Vehicle	\$10 / day
Water Flow Probe Meter	\$20 / day
Water Quality Meter	\$27 / day
Water Quality Multimeter	\$185 / day
Well Sounder	\$30 / day