

# Notice and Agenda of a Workshop of the Yucaipa Sustainable Groundwater Management Agency

## Board Meeting

**Wednesday, October 30, 2024 at 10:30 a.m.**

(909) 797-2489 | [www.yucaipasgma.org](http://www.yucaipasgma.org)

**City of Yucaipa, 34272 Yucaipa Boulevard  
Yucaipa, California 92399**

### Meeting Broadcast Information

Zoom Online Access - <https://dudek.zoom.us/j/7101150223>

Meeting ID: 710-115-0223

Telephone Access: (929) 205-6099

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- I. Call to Order**
  - II. Roll Call**
  - III. Public Comments** At this time, members of the public may address the representatives of the Yucaipa Groundwater Sustainability Agency on matters within its jurisdiction.
  - IV. Approval of Meeting Minutes**
    - A. Board Meeting Minutes – April 24, 2024 [\[See Page 4 of 70\]](#)
    - B. Board Meeting Minutes - July 31, 2024 [\[See Page 8 of 70\]](#)
  - V. Discussion Items**
    - A. Summary of Conditions in the Yucaipa Subbasin for the 2023-2024 WY
    - B. Presentation on Potential Stream Gaging Stations in Yucaipa Subbasin and Consideration of Next Steps for Funding
    - C. Ratification of Board Approval of Dudek's Proposal to Participate at Private Well Owner Workshop [\[See Page 13 of 70\]](#)
    - D. Update on Private Well Owner Outreach & Workshop
    - E. Update on Executive Order N-3-24 and Draft Well Ordinance [\[See Page 19 of 70\]](#)
    - F. Consideration of Resolution Accepting the Withdrawal of the City of Redlands from the Yucaipa GSA [\[See Page 22 of 70\]](#)

- G. Consideration of Dudek Proposal to Prepare for and Participate in Pumping Credits Workshop [\[See Page 55 of 70\]](#)
- H. Consideration of Dudek Proposal to Address DWR Recommended Corrective Actions #3, #4, #5, and #6 for the GSP [\[See Page 61 of 70\]](#)

**VI. Topics for Future Meetings**

- A. Policy for transferring pumping credits between appropriators
- B. Consideration of the groundwater well ordinance and resolution

**VII. Comments by Board of Directors**

**VIII. Announcements - Future Meetings**

- A. Wednesday, January 22, 2025 at 10:30 am - Board Meeting
- B. Wednesday, April 23, 2025 at 10:30 am - Board Meeting
- C. Wednesday, July 23, 2025 at 10:30 am - Board Meeting
- D. Wednesday, October 22, 2025 at 10:30 am - Board Meeting
- E. Wednesday, January 28, 2026 at 10:30 am - Board Meeting

**IX. Adjournment**

## Roll Call - Board of Directors

	Present	Primary Representative	Present	Alternative Representative
<b>Purveyors</b>				
South Mesa Water Company		David Armstrong		Brittany Lim
South Mountain Water Company		Allison Edmisten		Brett Granlund
Western Heights Water Company		Mark Iverson		Brooke Shorey
Yucaipa Valley Water District		Joseph Zoba		Jennifer Ares
<b>Municipals</b>				
City of Redlands		John Harris		Paul Mariscal
City of Yucaipa		Chris Mann		Fermin Preciado
<b>Regionals</b>				
San Bernardino Valley MWD		Michael Plinski		Adekunle Ojo
San Gorgonio Pass Water Agency		Lance Eckhart		Emmett Campbell
* Quorum of the Board of Directors requires a total of five Purveyor, Municipal, Regional Members				
<b>Stakeholders</b>				
County of Riverside		Steve Horn		Jeff Johnson
County of San Bernardino		Bob Page		- -
City of Calimesa		Will Kolbow		- -

X.

# MINUTES OF THE YUCAIPA SUSTAINABLE GROUNDWATER MANAGEMENT AGENCY

## Board Meeting – April 24, 2024 - 10:30 a.m.

This Board meeting was held at the City of Yucaipa, 34272 Yucaipa Boulevard, Yucaipa, California.

- I. Call to Order - Chairman Mark Iverson called the meeting to order at 10:30 a.m.
- II. Roll Call - The following representatives, as assigned by each Party, attended the meeting:

Purveyors	Present	Primary Representative	Present	Alternative Representative
South Mesa Water Company	✓	David Armstrong	✓	Brittany Lim
South Mountain Water Company	✓	Allison Edmisten	✓	Brett Granlund
Western Heights Water Company	✓	Mark Iverson	✓	Brooke Shorey
Yucaipa Valley Water District	✓	Joseph Zoba	✓	Jennifer Ares
Municipals				
City of Redlands		John Harris		Paul Mariscal
City of Yucaipa		Chris Mann	✓	Fermin Preciado
Regionals				
San Bernardino Valley MWD	✓	Michael Plinski	✓	Adekunle Ojo
San Gorgonio Pass Water Agency	✓	Lance Eckhart	✓	Emmett Campbell
Stakeholders				
County of Riverside		Steve Horn		Jeff Johnson
County of San Bernardino		Bob Page		
City of Calimesa		Wil Kolbow		

A quorum of the Board of Directors was present to start the meeting.

In addition to the Board of Directors identified above, the following members of the public were registered as attending the meeting:

- Madeline Blua, Yucaipa Valley Water District
- Ron Duncan, San Gorgonio Pass Water Agency
- Allison Edmisten, South Mountain Water Company
- Brett Granlund, South Mountain Water Company
- Paul Kielhold, San Bernardino Valley Municipal Water District
- Joyce McIntire, Yucaipa Valley Water District
- Barbara Riordan, South Mountain Water Company
- Steve Stuart, Dudek
- Thaxton Van Belle, City of Beaumont



- Mike Weil, California Department of Water Resources

### III. Public Comments

None

### IV. Approval of Meeting Minutes – The meeting minutes from January 24, 2024, were presented for review and approval.

Michael Plinski moved to approve the board meeting minutes for January 24, 2024.

Mark Iverson seconded the motion.

South Mesa Water Company	Yes
South Mountain Water Company	Yes
Western Heights Water Company	Yes
Yucaipa Valley Water District	Yes
City of Redlands	Absent
City of Yucaipa	Yes
San Bernardino Valley MWD	Yes
San Gorgonio Pass Water Agency	Yes

### V. Discussion Items

#### A. Review of 2024 WY Conditions in the Yucaipa Subbasin

Steve Stuart discussed the email message dated February 7, 2024, from Mike Weil of the Department on Water Resources and the draft response to the questions raised. Steve Stuart requested the members of the Yucaipa Sustainable Groundwater Management Agency to provide responses to the draft comments by May 8, 2024.

Steve Stuart provided an overview of the USGS weather stations, the conditions in the North Bench Management Area, the Calimesa Management Area, and the Western Heights Management Area.

#### B. Discussion on DWR Recommended Corrective Actions for the GSP

Steve Stuart provided an overview of the nine corrective actions recommended by the Department of Water Resources as part of the Approval Notice provided to the Groundwater Sustainability Agency on January 18, 2024. The recommendations will be considered and addressed in the first periodic reevaluation of the Groundwater Sustainability Plan due in January 2027.

#### C. Update on YVWD becoming Major Shareholder of South Mountain Water Company

Allison Edmisten introduced herself and Brett Granlund as the representatives for the South Mountain Water Company on the Yucaipa Sustainable Groundwater Management Agency Board of Directors.

D. Discussion on Developing Policy to Transfer Pumping Credits in the Yucaipa Subbasin

Steve Stuart led a discussion about the transfer of pumping credits in the Yucaipa Subbasin. Pursuant to the Groundwater Sustainability Plan, Chapter 4, Section 4.2.2., Management Action No. 2 – Sustainable Yield Pumping Allocations and Groundwater Replenishment, “The Yucaipa GSA is continuing discussions on implementing a policy that will allow the transferability of pumping credits between groundwater users within a given management area or within the Subbasin.”

The board members requested that Steve Stuart provide a framework outlining the opportunities and constraints associated with the transfer of pumping credits at a future meeting.

E. Update on Private Well Owner Outreach

Steve Stuart provided information about the private well owner outreach efforts. The board members reached a consensus that it would be best to mail the letter and questionnaire to private well owners using certified mail as the best method to track the mailing date and receipt of the documents.

F. Update of Well Ordinance for Yucaipa Subbasin and Resolution to Adopt Well Ordinance

Steve Stuart provided an overview of the well ordinance and associated resolution. The board members reached a consensus that the well ordinance and resolution were ready to be considered at a future meeting for adoption.

G. Consideration of Dudek Proposal to Provide Support Services to the GSA in 2024/2025

Steve Stuart presented a proposal from Dudek to provide support services through April 2025.

Mark Iverson moved to approve the contract with Dudek for a sum not to exceed \$35,360.

Joseph Zoba seconded the motion.

South Mesa Water Company	Yes
South Mountain Water Company	Yes
Western Heights Water Company	Yes

Yucaipa Valley Water District	Yes
City of Redlands	Absent
City of Yucaipa	Yes
San Bernardino Valley MWD	Yes
San Gorgonio Pass Water Agency	Yes

VI. Topics for Future Meetings - The following topics were listed for discussion at a future meeting.

- Policy for transferring pumping credits between groundwater users.
- Consideration of the groundwater well ordinance and resolution

VII. Comments by the Board of Directors

None

VIII. Announcements

The next scheduled meeting of the Yucaipa Sustainable Groundwater Management Agency will be on Wednesday, July 24, 2024, at 10:30 am.

Future board meetings are scheduled on the following dates:

- Wednesday, October 23, 2024, at 10:30 am - Board Meeting
- Wednesday, January 22, 2025, at 10:30 am - Board Meeting
- Wednesday, April 23, 2025, at 10:30 am - Board Meeting

IX. Adjournment - The meeting was adjourned at 11:50 am.

# MINUTES OF THE YUCAIPA SUSTAINABLE GROUNDWATER MANAGEMENT AGENCY

## Board Meeting – July 31, 2024 - 10:30 a.m.

This Board meeting was held at the City of Yucaipa, 34272 Yucaipa Boulevard, Yucaipa, California.

- I. Call to Order - Chairman Mark Iverson called the meeting to order at 10:30 a.m.
- II. Roll Call - The following representatives, as assigned by each Party, attended the meeting:

Purveyors	Present	Primary Representative	Present	Alternative Representative
South Mesa Water Company	✓	David Armstrong	✓	Brittany Lim
South Mountain Water Company	✓	Allison Edmisten	✓	Brett Granlund
Western Heights Water Company	✓	Mark Iverson	✓	Brooke Shorey
Yucaipa Valley Water District	✓	Joseph Zoba	✓	Jennifer Ares
<b>Municipals</b>				
City of Redlands	✓	John Harris	✓	Paul Mariscal
City of Yucaipa	✓	Chris Mann	✓	Fermin Preciado
<b>Regionals</b>				
San Bernardino Valley MWD	✓	Michael Plinski	✓	Adekunle Ojo
San Gorgonio Pass Water Agency	✓	Lance Eckhart	✓	Emmett Campbell
<b>Stakeholders</b>				
County of Riverside		Steve Horn		Jeff Johnson
County of San Bernardino		Bob Page		
City of Calimesa		Wil Kolbow		

A quorum of the Board of Directors was present to start the meeting.

In addition to the Board of Directors identified above, the following members of the public were registered as attending the meeting:

Jonathan Bastedo, Private Well Owner  
 Madeline Blua, YVWD  
 Thomas and Christine Breese, Private Well Owner  
 Debra Brown, Private Well Owner  
 Mark Buster, Private Well Owner  
 Cristy Cacucciolo, Private Well Owner  
 Wayne Challis, Private Well Owner  
 Kent Colby, Private Well Owner  
 Joe Corney, Private Well Owner  
 Silvia Cuencol, Private Well Owner  
 S. Doucette, Oak Glen Resident  
 Ron Duncan, SGPWA

Joyce McIntire, YVWD  
 Aggie and Steve Morse, Private Well Owner  
 Jim and Carol Oedeker, Private Well Owner  
 Paul Plaxton, Private Well Owner  
 Devon Riley, Private Well Owner  
 Stephen Rogers, Private Well Owner  
 Cesar Roldan, Private Well Owner  
 Elizabeth Schreckengost, Private Well Owner  
 Steven Stuart, Dudek  
 DeEsta West, Private Well Owner  
 Greg Wessels, Private Well Owner

David Duron, Private Well Owner  
Glenn and Cindi Foster, Private Well Owner  
Matt Howard, SGPWA  
Mike Kosteletzky, YVWD

Sherri Wilson, Private Well Owner  
Jim Wolfe, Private Well Owner  
Allen, Private Well Owner  
Terry, Private Well Owner

III. Public Comment

Chairman Iverson deferred public comment until item V. B. Private Well Owner Outreach

IV. Approval of Meeting Minutes – The meeting minutes from April 24, 2024, were postponed for approval until the October 30, 2024 meeting at the request of Dave Armstrong. The request was to include more discussion from item V. C. Update on YVWD becoming Major Shareholder of South Mountain Water Company. Dave Armstrong will provide language that has been requested to be added to the meeting minutes.

V. Discussion Items

A. Update on 2024 WY Conditions in the Yucaipa Subbasin

Steve Stuart provided an overview of the USGS weather stations, the conditions in the North Bench Management Area, the Calimesa Management Area, and the Western Heights Management Area.

B. Update on Private Well Owner Outreach

Steve Stuart provided an overview of the private well owner outreach responses. He reported on the number of responses received and the amount of information provided by each private well owner.

Comments from the Public:

- Devon Riley - The Yucaipa GSA should monitor the water coming out of the creek running through his yard, not his private well. We are the lowest user, the lowest water user as shown on the projections presented in the presentation. He is upstream and he currently has four dry wells. Drought is not a problem, it's the population increasing in the area. Also, lateral wells are no longer producing.
- Terry - Why is Yucaipa Valley Water District selling water to Western Heights Mutual Water Company? Chairman Iverson clarified it's imported water, not local water from the basin. Brett Granlund stated that Yucaipa Valley Water District has a drinking water treatment plant which treats imported water. The Wilson Creek and Oak Glen Creek basins also utilize imported water for storage. It's not water from the Oak Glen community.
- Cristy Cacucciolo - The residents of Oak Glen pay for water through electricity and treatment. What is the end goal for wanting the information? Chairman Iverson stated there is no charge for private well owners. The information is needed to know the current conditions of the basin. What do the pumping credits mean? There is already a well ordinance? What does that mean? Also, many residents did not get the correspondence. Were people left out on purpose? Iverson stated, another workshop can be scheduled to understand the
- Jim Wolfe – The board packet discussed pumping credits. That is a concern. How is the GSA going to define the pumping credits? Chairman Iverson clarified the pumping credits were for the retailers, not necessarily the private well owners. He

added the GSA is mandated by the State of California and the Yucaipa GSA is complying to the requirements of SGMA, developed by the State. Brett Granlund added the purchase of water is from San Geronimo Pass in Riverside County and San Bernardino Valley Municipal Water District in San Bernardino County. Lance Eckhart also added this regulatory framework stemmed from the Central Valley and the depleted groundwater as a result of agricultural practices and aging infrastructure with private wells along with adjudicated basins in the high desert areas. Michael Plinski added the State is trying to manage a finite resource and this procedure is an accounting process to understand the local resources.

- Allen – Expressed concern about metering of the wells in the future since there were past attempts to meter the private wells.
- Kent Colby – The Oak Glen residents have septic systems, and the water is reintroduced into the basin. Privacy is important and he does not want agencies on his property. Also drilling a well costs approximately \$40,000.
- David Duron – Agricultural practices and septic systems have added a lot of nitrates to the water. He also asked about the water coming from Oak Glen and would it water the downstream orchards. Jennifer Ares stated that the Yucaipa Valley Water District is expanding their recycled water program to provide a drought proof source of water for the area. There are no plans to drill new potable production wells in the Oak Glen area.
- Mark Buster – Who will be the reasonable water use “police.” Mark Iverson discussed the well ordinance and restrictions. Western Heights Mutual Water Company completed a well request recently and the new well had restrictions that coincided with protecting the basin. For example, only 2 acre-feet a year of production. Mike also added that he understands SGMA is well intended but he feels it opens the door for more private well user regulations. Mark Iverson stated the well survey responses are not mandatory. This exercise is to obtain information that is intended to actually protect the private well users.
- Miscellaneous Comments:
  - One resident stated they will provide annual consumption but not the additional information that was requested in the survey.
  - Another resident stated there is plenty of rain and we need reservoirs. The majority of the group disagreed that there isn't plenty of rain consistently and reliably.
  - Another resident stated in the early 1980's Yucaipa Valley Water District sent cease and desist letters regarding well drilling in Oak Glen. She also added that Oak Glen residents also paid for sewer fees without the service.

A workshop will be scheduled on September 25, 2024 to discuss the private well owner information further.

#### C. Discussion on DWR Recommended Corrective Actions for the GSP

Steve Stuart provided an overview of the nine corrective actions recommended by the

Department of Water Resources as part of the Approval Notice provided to the Yucaipa GSA on January 18, 2024.

D. Discussion on Developing Policy to Transfer Pumping Credits in the Yucaipa Subbasin

Steve Stuart led a discussion about the transfer of pumping credits in the Yucaipa Subbasin. Pursuant to the Groundwater Sustainability Plan, Chapter 4, Section 4.2.2., Management Action No. 2 - Sustainable Yield Pumping Allocations and Groundwater Replenishment, "The Yucaipa GSA is continuing discussions on implementing a policy that will allow the transferability of pumping credits between groundwater users within a given management area or within the Subbasin."

Steve Stuart provided a preliminary framework outlining the opportunities and constraints associated with the transfer of pumping credits. This item will be discussed further at a future meeting and/or community workshop.

E. Update of the Well Ordinance for Yucaipa Subbasin and Resolution to Adopt Well Ordinance

Steve Stuart provided an overview of the well ordinance and associated resolution. The board members reached a consensus that the well ordinance and resolution will be discussed in more detail at a future meeting and/or workshop.

F. Discussion of City of Redlands Withdrawing from the Yucaipa GSA

Steve Stuart discussed the withdrawal request from the City of Redlands. The request letter was sent on June 5, 2024 which begins the 90-day written withdrawal notice to all Yucaipa GSA Parties subject to the conditions of Section IX of the MOA. The official date that the City of Redlands withdraws from the GSA is September 3, 2024. This also reallocates the portion of GSA expenses covered by the municipalities and regionals.

G. Consideration of Dudek Proposal to Prepare the 2024 WY Annual GSP Update Report

Steve Stuart discussed the deliverables and agency cost-share to prepare the 2024 Annual GSP Report.

Lance Eckhart moved to approve the Dudek Proposal to Prepare the 2024 WY Annual GSP Update Report

Jennifer Ares seconded the motion.

South Mesa Water Company	Yes
South Mountain Water Company	Yes
Western Heights Water Company	Yes
Yucaipa Valley Water District	Yes
City of Redlands	
City of Yucaipa	Yes
San Bernardino Valley MWD	Yes
San Gorgonio Pass Water Agency	Yes

VI. Topics for Future Meetings - The following topics were listed for discussion at a future meeting.

- Community Workshop to Discuss Private Well Owner Outreach
- Policy for transferring pumping credits between groundwater users.
- Consideration of the groundwater well ordinance and resolution

VII. Comments by the Board of Directors

None

VIII. Announcements

The next scheduled meeting of the Yucaipa Sustainable Groundwater Management Agency will be on Wednesday, October 30, 2024, at 10:30 am.

Future board meetings are scheduled on the following dates:

- Wednesday, January 22, 2025, at 10:30 am - Board Meeting
- Wednesday, April 23, 2025, at 10:30 am - Board Meeting
- Wednesday, July 23, 2025, at 10:30 am – Board Meeting

IX. Adjournment - The meeting was adjourned at 12:45 pm.



August 7, 2024

Yucaipa Groundwater Sustainability Agency  
c/o San Bernardino Valley Municipal Water District  
380 East Vanderbilt Way  
San Bernardino, California 92408

Subject: Proposal to Prepare for and Participate in the September 2024 Private Well Owner Outreach Workshop

Dear Yucaipa GSA Member Agencies:

During the July 31, 2024 Yucaipa Groundwater Sustainability Agency (GSA) Board meeting, Mark Iverson, president of the Yucaipa GSA, offered to hold a workshop with private well owners to provide an overview of the Sustainable Groundwater Management Act (SGMA) and the responsibilities of the Yucaipa GSA, and to discuss the purpose for the information requested in the Yucaipa GSA's outreach letter and questionnaire. One of the private well owners at the meeting requested that the meeting not be held in October as most residents in Oak Glen will be unavailable during that month. Mark Iverson proposed having the workshop in September. The following scope of work and fee details the tasks Dudek will undertake to prepare for and participate in the September private well owner workshop.

## 1 Scope of Work

### Task 1 Prepare Presentation for Workshop

Dudek will prepare a 30-minute presentation that will begin with basic information about the water cycle and the role of groundwater, SGMA and why it was adopted in California, how groundwater is used locally and by whom, and the development of the Groundwater Sustainability Plan (GSP) and how it provides the framework for sustainably managing our groundwater resource in the Yucaipa Subbasin. The presentation will provide information on how we measure water levels and groundwater production, evaluate water quality, and characterize surface water and groundwater interactions. Then we'll discuss how this information, collected by the water purveyors, the regional water districts, and the private well owners in the Subbasin, is compiled and used to evaluate conditions in the Subbasin and whether groundwater usage is being managed sustainably. The presentation will emphasize that the Yucaipa GSA adheres to the Human Right to Water (California Water Code § 106.3) and that our goal is to protect the Yucaipa Subbasin's groundwater resource for all beneficial users and uses. Mr. Stuart will present on behalf of the Yucaipa GSA and Dudek.

Dudek will provide a draft presentation to the GSA Board members to review and provide comments at least two weeks before the workshop. The GSA Board members will have about 10 days to review and provide comments to Dudek. Please see the proposed schedule below.

*Fee for Task 1 .....* **\$9,880**

## Task 2 Participation at Workshop

Mr. Stuart will commute to the workshop and participate by providing the presentation and assist the Yucaipa GSA in addressing questions and comments by other meeting participants at the workshop.

*Fee for Task 2 .....* **\$2,4000**

## Schedule

The following schedule outlines the anticipated meetings and deliverables:

- **September 11, 2024** – Draft presentation to GSA Board members to review and provide comments
- **September 12 – 20, 2024** – Review period for GSA Board members
- **September 23 – 24, 2024** – Revise presentation per comments received and finalize presentation
- **September 25, 2024** – Private Well Owner Workshop

## Fee Summary

The fee presented in this proposal will be charged on a time and materials basis in accordance with Dudek's 2024 Standard Schedule of Charges. The time and materials fee provided in this proposal represents an estimate of the anticipated level of effort required to complete the tasks described in the proposal. Should the actual effort required to complete the tasks be less than anticipated, the amount billed will be less than the total fee. Conversely, should the actual effort to complete the proposed tasks be greater than anticipated, additional fee authorizations will be requested. No work in excess of the proposed fee or outside of the proposed scope of work will be performed without written authorization from the Yucaipa GSA.

**TOTAL FEE.....\$12,280**

Per Section VII, Funding and Budgeting, in the Memorandum of Agreement to Form a Groundwater Sustainability Agency for the Yucaipa Subbasin, the water purveyors shall collectively bear 75% and the municipalities and regionals shall bear 25% of the cost of administration of the Yucaipa GSA. The following is a breakdown of the shared responsibility for the proposed fee:

TO: YUCAIPA GSA  
SUBJECT: PROPOSAL TO PREPARE FOR AND PARTICIPATE IN THE SEPTEMBER 2024 PRIVATE WELL OWNER  
OUTREACH WORKSHOP

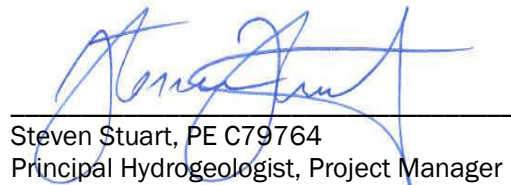
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- For each Water Purveyor (South Mesa, South Mountain, WHWC, YVWD) = \$2,302.50
- For each Municipality and Regional (City of Yucaipa, SBVMWD, SGPWA) = \$1,023.33

Dudek appreciates the opportunity to prepare for and participate in the September Private Well Owner workshop. We look forward to continuing our working relationship with the Yucaipa GSA.

If you have any questions regarding this proposal, please call me at 760-415-9079 or email me at [ssstuart@dudek.com](mailto:ssstuart@dudek.com).

Sincerely,



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Steven Stuart, PE C79764  
Principal Hydrogeologist, Project Manager

Att.: *Table 1. Fee for Dudek to Prepare for and Participate in Private Well Owner Workshop*  
*Dudek 2024 Standard Schedule of Charges*  
cc: *Adekunle Ojo, San Bernardino Valley Municipal Water District*

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# Attachment A

Table 1. Fee for Participating in the September 2024 Private  
Well Owner Workshop  
Dudek 2024 Standard Schedule of Charges

**TABLE I. FEE TO PREPARE FOR AND PARTICIPATE IN SEPTEMBER 2024 PRIVATE WELL OWNER WORKSHOP  
DUDEK FEE SCHEDULE**

		<i>Team Member:</i>	Steven Stuart, PE	Sharllyn Pimentel	TOTAL HOURS	LABOR COST	TOTAL
		<i>Project Team Role:</i>	Project Manager	Hydrogeologist			
		<i>Labor Class:</i>	Principal Hydrogeologist II	Hydrogeologist II			
		<i>Billable Rate :</i>	\$300	\$185			
<b>Task 1 - Prepare for Workshop</b>							
1-1	Prepare Presentation		28	8	36	\$ 9,880	\$ 9,880
	<b>Subtotal Task 1</b>		<b>28</b>	<b>8</b>	<b>36</b>	<b>\$ 9,880</b>	<b>\$ 9,880</b>
<b>Task 2 - Participate in Workshop</b>							
2-1	Participate at Workshop		8		8	\$ 2,400	\$ 2,400
	<b>Subtotal Task 2</b>		<b>8</b>		<b>8</b>	<b>\$ 2,400</b>	<b>\$ 2,400</b>
<b>Total Hours and Fee</b>			<b>36</b>	<b>8</b>	<b>44</b>	<b>\$12,280.00</b>	<b>\$12,280.00</b>

## DUDEK 2024 Standard Schedule of Charges

### Engineering Services

Project Director.....	\$335.00/hr
Principal Engineer III.....	\$310.00/hr
Principal Engineer II.....	\$290.00/hr
Principal Engineer I.....	\$280.00/hr
Program Manager.....	\$265.00/hr
Senior Project Manager.....	\$265.00/hr
Project Manager.....	\$255.00/hr
Senior Engineer III.....	\$250.00/hr
Senior Engineer II.....	\$240.00/hr
Senior Engineer I.....	\$230.00/hr
Project Engineer IV/Technician IV.....	\$220.00/hr
Project Engineer III/Technician III.....	\$210.00/hr
Project Engineer II/Technician II.....	\$200.00/hr
Project Engineer I/Technician I.....	\$180.00/hr
3D Production Manager.....	\$210.00/hr
Senior Designer II.....	\$200.00/hr
Senior Designer I.....	\$195.00/hr
Designer.....	\$185.00/hr
Assistant Designer.....	\$180.00/hr
CADD Operator III.....	\$175.00/hr
CADD Operator II.....	\$165.00/hr
CADD Operator I.....	\$145.00/hr
CADD Drafter.....	\$135.00/hr
CADD Technician.....	\$120.00/hr
Project Coordinator.....	\$155.00/hr
Engineering Assistant.....	\$125.00/hr

### Environmental Services

Senior Project Director.....	\$330.00/hr
Project Director.....	\$285.00/hr
Senior Specialist V.....	\$260.00/hr
Senior Specialist IV.....	\$245.00/hr
Senior Specialist III.....	\$235.00/hr
Senior Specialist II.....	\$225.00/hr
Senior Specialist I.....	\$210.00/hr
Specialist V.....	\$195.00/hr
Specialist IV.....	\$185.00/hr
Specialist III.....	\$175.00/hr
Specialist II.....	\$165.00/hr
Specialist I.....	\$155.00/hr
Analyst V.....	\$145.00/hr
Analyst IV.....	\$135.00/hr
Analyst III.....	\$125.00/hr
Analyst II.....	\$115.00/hr
Analyst I.....	\$105.00/hr
Technician III.....	\$90.00/hr
Technician II.....	\$80.00/hr
Technician I.....	\$70.00/hr

### Mapping and Surveying Services

Application Developer II.....	\$220.00/hr
Application Developer I.....	\$155.00/hr
GIS Analyst V.....	\$205.00/hr
GIS Analyst IV.....	\$170.00/hr
GIS Analyst III.....	\$150.00/hr
GIS Analyst II.....	\$135.00/hr
GIS Analyst I.....	\$125.00/hr
UAS Pilot.....	\$145.00/hr
Survey Lead.....	\$235.00/hr
Survey Manager.....	\$210.00/hr
Survey Crew Chief.....	\$165.00/hr
Survey Rod Person.....	\$120.00/hr
Survey Mapping Technician.....	\$95.00/hr

### Construction Management Services

Principal/Manager.....	\$195.00/hr
Senior Construction Manager.....	\$185.00/hr
Senior Project Manager.....	\$180.00/hr
Construction Manager.....	\$175.00/hr
Project Manager.....	\$170.00/hr
Resident Engineer.....	\$175.00/hr
Construction Engineer.....	\$170.00/hr
On-site Owner's Representative.....	\$160.00/hr
Prevailing Wage Inspector.....	\$155.00/hr
Construction Inspector.....	\$145.00/hr
Administrator/Labor Compliance.....	\$120.00/hr

### Hydrogeology/HazWaste Services

Project Director.....	\$335.00/hr
Principal Hydrogeologist/Engineer III.....	\$310.00/hr
Principal Hydrogeologist/Engineer II.....	\$300.00/hr
Principal Hydrogeologist/Engineer I.....	\$290.00/hr
Senior Hydrogeologist V/Engineer V.....	\$265.00/hr
Senior Hydrogeologist IV/Engineer IV.....	\$255.00/hr
Senior Hydrogeologist III/Engineer III.....	\$245.00/hr
Senior Hydrogeologist II/Engineer II.....	\$235.00/hr
Senior Hydrogeologist I/Engineer I.....	\$225.00/hr
Project Hydrogeologist V/Engineer V.....	\$215.00/hr
Project Hydrogeologist IV/Engineer IV.....	\$205.00/hr
Project Hydrogeologist III/Engineer III.....	\$195.00/hr
Project Hydrogeologist II/Engineer II.....	\$185.00/hr
Project Hydrogeologist I/Engineer I.....	\$175.00/hr
Hydrogeologist/Engineering Assistant.....	\$140.00/hr
HazMat Field Technician.....	\$125.00/hr

### District Management & Operations

District General Manager.....	\$230.00/hr
District Engineer.....	\$215.00/hr
Operations Manager.....	\$165.00/hr
District Secretary/Accountant.....	\$145.00/hr
Collections System Manager.....	\$145.00/hr
Grade V Operator.....	\$135.00/hr
Grade IV Operator.....	\$115.00/hr
Grade III Operator.....	\$110.00/hr
Grade II Operator.....	\$90.00/hr
Grade I Operator.....	\$80.00/hr
Operator in Training.....	\$75.00/hr
Collection Maintenance Worker.....	\$80.00/hr

### Creative Services

Creative Services IV.....	\$175.00/hr
Creative Services III.....	\$150.00/hr
Creative Services II.....	\$140.00/hr
Creative Services I.....	\$125.00/hr

### Publications Services

Technical Editor IV.....	\$175.00/hr
Technical Editor III.....	\$150.00/hr
Technical Editor II.....	\$140.00/hr
Technical Editor I.....	\$125.00/hr
Publications Specialist IV.....	\$130.00/hr
Publications Specialist III.....	\$115.00/hr
Publications Specialist II.....	\$110.00/hr
Publications Specialist I.....	\$100.00/hr
Clerical Administration.....	\$90.00/hr

**Expert Witness** – Court appearances, depositions, and interrogatories as expert witness will be billed at 2.00 times normal rates.

**Emergency and Holidays** – Minimum charge of two hours will be billed at 1.75 times the normal rate.

**Material and Outside Services** – Subcontractors, rental of special equipment, special reproductions and blueprinting, outside data processing and computer services, etc., are charged at 1.15 times the direct cost.

**Travel Expenses** – Mileage at current IRS allowable rates. Per diem where overnight stay is involved is charged at cost.

**Invoices, Late Charges** – All fees will be billed to Client monthly and shall be due and payable upon receipt. Invoices are delinquent if not paid within 30 days from the date of the invoice. Client agrees to pay interest at a 10% annual rate for amounts unpaid greater than 30 days after the date of the invoice.

**Annual Increases** – Unless identified otherwise, these standard rates will increase in line with the CPI-U for the nearest urban area per the Department of Labor Statistics to where the work is being completed) or by 3% annually, whichever is higher.

**Prevailing Wage** – The rates listed above assume prevailing wage rates do not apply. If this assumption is incorrect Dudek reserves the right to adjust its rates accordingly.



**EXECUTIVE DEPARTMENT  
STATE OF CALIFORNIA**

**EXECUTIVE ORDER N-3-24**

**WHEREAS** on April 21, 2021, May 10, 2021, July 8, 2021, and October 19, 2021, I proclaimed States of Emergency to exist across all counties in the State due to drought conditions; and

**WHEREAS** the drought emergency has required a dynamic and flexible response from the State, and several provisions in my prior Proclamations and Orders have already been terminated or superseded; and

**WHEREAS** drought conditions have improved substantially, and lingering effects of the drought have largely abated in several areas of the California coast, Southern California, and the eastern Sierra Nevada; and

**WHEREAS** today I have therefore terminated the drought State of Emergency in the Counties of Imperial, Inyo, Los Angeles, Marin, Mendocino, Mono, Monterey, Orange, Riverside, San Bernardino, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Sonoma, and Ventura; and

**WHEREAS** the multi-year nature of this drought, which began three years after the record-setting drought of 2012-2016, continues to have ongoing, significant impacts on the Sacramento and San Joaquin River basins, the Tulare Lake basin, the Scott, Shasta, and Klamath River watersheds, and the Clear Lake watershed, which include many communities with vulnerable water supplies, farms that rely on irrigation to grow food and fiber, and fish and wildlife that rely on stream flows and cool water; and

**WHEREAS** improved conditions have helped rehabilitate surface water supplies, but have not eliminated the effects of the drought that remain in the Sacramento and San Joaquin River basins, the Tulare Lake basin, the Scott, Shasta, and Klamath River watersheds, and the Clear Lake watershed, and many groundwater basins remain depleted from overreliance and successive multi-year droughts; and

**WHEREAS** continued action by the State is needed to address ongoing consequences of the drought emergency in the Sacramento and San Joaquin River basins and the Klamath River and Clear Lake watersheds, including groundwater supply shortages, domestic well failures, and drought-related harm to native fishes; and

**WHEREAS** improved conditions even in the counties where the drought State of Emergency remains in effect warrant a more targeted State response, and certain provisions in my prior Proclamations and Orders provide authority that is no longer needed to mitigate the effects of the drought conditions, or direct actions by state agencies, departments, and boards that have already been completed; and

**WHEREAS** notwithstanding the rescission of certain emergency authorities for emergency drinking water action, state agencies have existing legal authority and funding to continue expedited work to advance the human right to water, and state agencies will continue all ongoing drought resilience

planning work, including through coordination with local agencies and tribes;  
and

**WHEREAS** the coming winter's hydrology is uncertain and the most efficient way to preserve the State's improved surface water supplies is for Californians to continue their ongoing efforts to make conservation a way of life;  
and

**WHEREAS** on March 1, March 8, March 12, March 14, March 28, April 20, May 15, and June 16, 2023, I proclaimed a State of Emergency to exist in 53 counties, cumulatively, as a result of a series of winter storms that initially struck California beginning in late February 2023; and

**WHEREAS** on March 31, 2023, and May 17, 2023, respectively, I issued Executive Orders N-6-23 and N-7-23 to further bolster the emergency response to the 2023 Late Winter Storms, particularly in the Tulare Lake Basin; and

**WHEREAS** improved conditions in the Tulare Lake Basin and other regions affected by the 2023 Late Winter Storms warrant a more targeted emergency response to the effects of those storms.

**NOW, THEREFORE, I, GAVIN NEWSOM**, Governor of the State of California, in accordance with the authority vested in me by the State Constitution and statutes, including the California Emergency Services Act, and in particular, Government Code sections 8567, 8571, and 8627, do hereby issue the following Order to become effective immediately:

**IT IS HEREBY ORDERED THAT:**

1. The orders and provisions contained in my State of Emergency Proclamations dated April 21, 2021; May 10, 2021; July 8, 2021; October 19, 2021; March 1, 2023; March 8, 2023; March 12, 2023; March 14, 2023; March 28, 2023; April 20, 2023; and May 15, 2023, and Executive Orders N-10-21 (July 8, 2021), N-7-22 (March 28, 2022), N-3-23 (February 13, 2023), N-4-23 (March 10, 2023), N-6-23 (March 31, 2023), and N-7-23 (May 17, 2023), remain in full force and effect, except as modified by those Proclamations and Orders, Executive Order N-5-23, my Proclamation Terminating the Drought States of Emergency in 19 counties dated today, and this Order. State agencies shall continue to implement all directions from those Proclamations and Orders and accelerate implementation where feasible.
2. The following provisions of my State of Emergency Proclamation dated May 10, 2021, are terminated:
  - a. Paragraph 8; and
  - b. Paragraphs 11–13.
3. The following provisions of my State of Emergency Proclamation dated October 19, 2021, are terminated:
  - a. Paragraphs 6–7;
  - b. Paragraph 9; and
  - c. Paragraph 12.



4. The following provision of Executive Order N-10-21 is terminated:
  - a. Paragraph 2.
5. The following provisions of Executive Order N-7-22 are terminated:
  - a. Paragraph 4;
  - b. Paragraphs 7–8; and
  - c. Paragraph 10.
6. The following provisions of Executive Order N-3-23 are terminated:
  - a. Paragraph 2; and
  - b. Paragraphs 4–5, except to the extent that Paragraph 4 withdraws Paragraph 9 of Executive Order N-7-22.
7. The following provisions of Executive Order N-4-23 are terminated:
  - a. Paragraphs 2–7.
8. The following provisions of Executive Order N-6-23 are terminated:
  - a. Paragraphs 7–10.
9. The following provisions of Executive Order N-7-23 are terminated:
  - a. Paragraphs 2–11, except to the extent that they withdraw provisions of prior Executive Orders.

**IT IS FURTHER ORDERED** that as soon as hereafter possible, this Order be filed in the Office of the Secretary of State and that widespread publicity and notice be given of this Order.

This Order is not intended to, and does not, create any rights or benefits, substantive or procedural, enforceable at law or in equity, against the State of California, its agencies, departments, entities, officers, employees, or any other person.

**IN WITNESS WHEREOF** I have hereunto set my hand and caused the Great Seal of the State of California to be affixed this 5th day of September 2024.



GAVIN NEWSOM  
Governor of California

**ATTEST:**



SHIRLEY N. WEBER, PH.D.  
Secretary of State



**RESOLUTION NO. 2024-01**

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE YUCAIPA GROUNDWATER SUSTAINABILITY AGENCY ACCEPTING THE WITHDRAWAL OF THE CITY OF REDLANDS FROM THE YUCAIPA GROUNDWATER SUSTAINABILITY AGENCY**

**WHEREAS**, on September 16, 2014, Governor Jerry Brown signed into law Senate Bills 1168 and 1319, and Assembly Bill 1739, collectively known as the Sustainable Groundwater Management Act ("SGMA"), codified in certain provisions of the California Government Code, including commencing with Section 65350.5, and codified in Part 2.74 of Division 6 of the California Water Code, commencing with Section 10720, and amending other provisions of the California Government Code and California Water Code; and,

**WHEREAS**, SGMA went into effect on January 1, 2015; and,

**WHEREAS**, various clarifying amendments to SGMA were signed into law in 2015, including Senate Bills 13 and 226, and Assembly Bills 617 and 939, which were codified in part in California Water Code Section 10723.6(a), authorizing a combination of local agencies to form a Groundwater Sustainability Agency ("GSA") pursuant to a joint powers agreement, a memorandum of agreement, or other legal agreement; and, California Water Code Section 10723.6(b), authorizing water corporations regulated by the California Public Utilities Commission and mutual water companies to participate in a GSA through a memorandum of agreement or other legal agreement; and,

**WHEREAS**, South Mesa Water Company ("SOUTH MESA"), South Mountain Water Company ("SOUTH MOUNTAIN"), Western Heights Water Company ("WHWC") and Yucaipa Valley Water District ("YVWD"), herein collectively referred to as the "PURVEYORS"; and the City of Calimesa ("CALIMESA"), the City of Redlands ("REDLANDS") and the City of Yucaipa ("YUCAIPA"), herein collectively referred to as the MUNICIPALITIES; and the San Bernardino Valley Municipal Water District ("SBVMWD") and the San Geronio Pass Water Agency ("SGPWA"), herein collectively referred to as the "REGIONALS", entered into a Memorandum of Agreement ("MOA") in June 2017 to form a GSA called the Yucaipa Groundwater Sustainability Agency ("YUCAIPA GSA"); and,

**WHEREAS**, per the MOA, "the PURVEYORS shall collectively bear seventy-five percent (75%) and the MUNICIPALITIES and REGIONALS shall collectively bear twenty-five percent (25%) of the cost of the creation and administration of the YUCAIPA-GSA; and within each group, the Parties shall equally share in the costs of the creation and administration of the YUCAIPA-GSA"; and,

**WHEREAS**, on June 6, 2017, REDLANDS adopted Resolution No. 7735 approving the MOA to jointly form the YUCAIPA GSA" and,

**WHEREAS**, on November 19, 2018, CALIMESA submitted a written Notice of Withdrawal and the Yucaipa GSA subsequently acknowledged the withdrawal of CALIMESA from the Yucaipa GSA at the January 23, 2019 YUCAIPA GSA Board meeting; and,

**WHEREAS**, on January 18, 2022, REDLANDS adopted Resolution No. 8290 to adopt the Yucaipa Subbasin Groundwater Sustainability Plan, and,

**WHEREAS**, on June 4, 2024, REDLANDS adopted Resolution No. 8587 to withdraw from the YUCAIPA GSA, which rescinded Resolution No. 7735, and,

**WHEREAS**, on June 5, 2024, REDLANDS submitted a formal 90-day withdrawal notice (attached) in accordance with Section IX of the MOA to the YUCAIPA GSA informing the YUCAIPA GSA that REDLANDS adopted Resolution No. 8587 to withdraw from the YUCAIPA GSA; and,

**WHEREAS**, September 3, 2024 marks the end of the 90-day withdrawal notice and is the date when REDLANDS is no longer a member of the YUCAIPA GSA.

NOW, THEREFORE,

**BE IT RESOLVED**, by the Board of Directors of the YUCAIPA GSA as follows:

1. The above Recitals are true and correct.
2. Beginning on September 3, 2024, the PURVEYORS are each responsible for 18.75% of the cost for the administration and implementation of the YUCAIPA GSP; and the MUNICIPALITIES AND REGIONALS are each responsible for 8.33% of the cost for the administration and implementation of the YUCAIPA GSP.
3. The YUCAIPA GSA hereby votes on accepting the withdrawal of REDLANDS from the YUCAIPA GSA, effective September 3, 2024:

<b>PARTIES</b>	<b>"Yea"</b>	<b>"Nay"</b>
South Mesa Water Company		
South Mountain Water Company		
Western Heights Water Company		
Yucaipa Valley Water District		
City of Yucaipa		
San Bernardino Valley Municipal Water District		
San Geronio Pass Water Agency		

PASSED AND ADOPTED on this \_\_\_ day of \_\_\_\_\_, 2024.

YUCAIPA GSA

By: \_\_\_\_\_  
Mark Iverson, President  
YUCAIPA GSA





City of  
**REDLANDS**

Incorporated 1888  
Municipal Utilities & Engineering Department  
35 Cajon Street, Suite 15A  
Redlands, CA 92373  
909-798-7698

JOHN R. HARRIS  
Director

June 5, 2024

Yucaipa Sustainable Groundwater Agency  
Attn: Mark Iverson  
c/o City of Yucaipa  
34272 Yucaipa Boulevard  
Yucaipa, CA 92399

RE: City of Redlands Withdrawal from the Yucaipa Sustainable Groundwater Agency

Mr. Iverson –

On June 4, 2024, the Redlands City Council approved Resolution No. 8587 (attached) to withdraw from the Yucaipa Sustainable Groundwater Agency (Yucaipa GSA). This resolution rescinded Resolution No. 7735 (attached) and directs City staff to submit a formal withdrawal notice in accordance with Section IX of the *Memorandum of Agreement to form a GSA for the Yucaipa Sub-Basin (Sub-basin No. 8-02.07)*. Please accept this correspondence as our formal ninety (90) day written withdrawal notice to all Yucaipa GSA Parties subject to the conditions of Section IX of the MOA.

Feel free to contact me directly with any questions.

Sincerely,

John R. Harris  
City of Redlands  
Municipal Utilities and Engineering Director  
[jharris@cityofredlands.org](mailto:jharris@cityofredlands.org)  
(909) 798-7658

Attachments:

City of Redlands Resolution No. 8587  
City of Redlands Resolution No. 7735



RESOLUTION NO. 8587

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDLANDS TO  
WITHDRAW FROM THE YUCAIPA GROUNDWATER SUSTAINABILITY  
AGENCY

WHEREAS, in September 2014, Governor Jerry Brown signed into law the Sustainable Groundwater Management Act (SGMA), which went into effect on January 1, 2015; and

WHEREAS, the legislative intent of the SGMA is to, among other goals, provide for sustainable management of groundwater basins and sub-basins defined by the California Department of Water Resources (DWR), to enhance local management of groundwater, to establish minimum standards for sustainable groundwater management, and to provide specified local agencies with the authority and technical and financial assistance necessary to sustainably manage groundwater; and

WHEREAS, Water Code Section 10723(a) authorizes a local agency with water supply, water management, or local land use responsibilities, or a combination of local agencies overlaying a groundwater basin to elect to become a Groundwater Sustainability Agency (GSA) under the SGMA; and

WHEREAS, the City of Redlands (City), as depicted in the map attached hereto as Exhibit "A", overlies portions of the basin, identified by the California DWR Bulletin 118 as Sub-basin No. 8-02.07 of the Upper Santa Ana Valley Groundwater Basin; and

WHEREAS, on June 6, 2017, the City Council adopted Resolution No. 7735 approving a Memorandum of Agreement (MOA) to jointly form a GSA for the Yucaipa Sub-Basin No. 8-02.07 with the intent of developing a Groundwater Sustainability Plan (GSP) cooperatively with other agencies within the Yucaipa Sub-Basin; and

WHEREAS, on January 18, 2022, the City Council adopted Resolution No. 8290 to adopt the Yucaipa Sub-Basin GSP; and

WHEREAS, the City does not currently extract groundwater from any portion of the Yucaipa Sub-Basin No. 8-02.07 and is bound by the requirements and restrictions detailed in the Yucaipa Sub-Basin GSP if it extracts groundwater from the Yucaipa Sub-Basin in the future.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Redlands as follows:

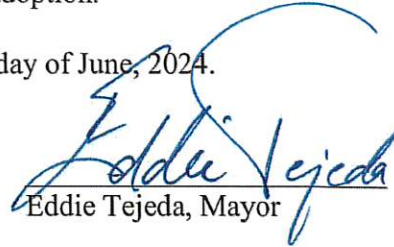
Section 1. The City Council hereby rescinds Resolution No. 7735 and elects to withdraw from the Yucaipa GSA.

Section 2. City staff is hereby directed to submit to the Yucaipa GSA a formal notice of withdrawal in accordance with Section IX of the MOA to form a GSA for the Yucaipa Sub-Basin (Sub-Basin No. 8-02.07).

Section 3. The City Council further determines that approval of this Resolution is exempt from environmental review pursuant to Section 15061(b) of the State's guidelines implementing the California Environmental Quality Act (CEQA) which provides that CEQA applies only to projects which have the potential for causing a significant effect on the environment. This City Council finds with certainty that there is no possibility the approval of this Resolution may have a significant effect on the environment.

Section 4. This resolution shall be effective upon its adoption.

ADOPTED, SIGNED AND APPROVED this 4<sup>th</sup> day of June, 2024.

  
Eddie Tejada, Mayor

ATTEST:

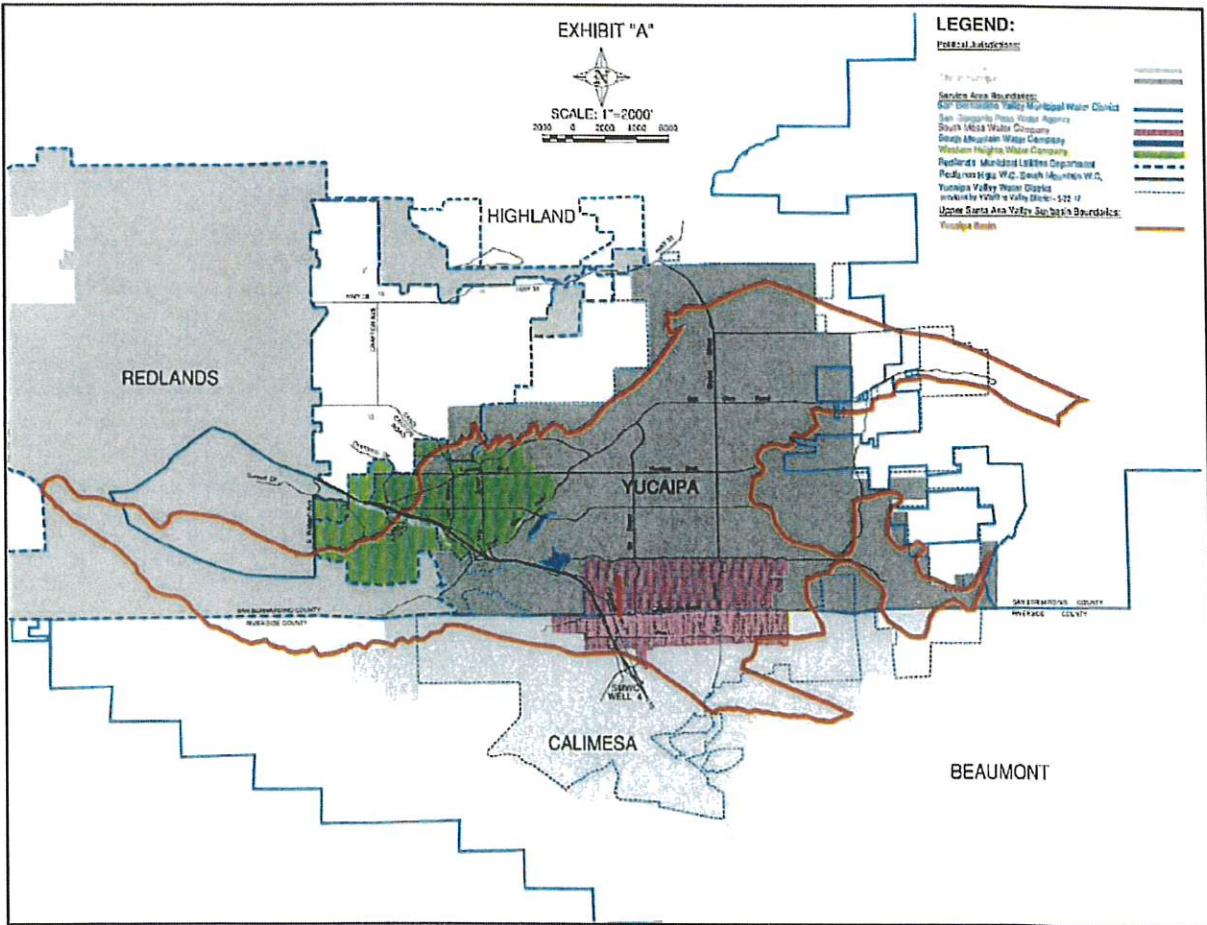
  
Jeanne Donaldson, City Clerk

I, Jeanne Donaldson, City Clerk of the City of Redlands, hereby certify that the foregoing resolution was duly adopted by the City Council at a regular meeting thereof held on the 4<sup>th</sup> day of June, 2024, by the following vote:

AYES: Councilmembers Guzman-Lowery, Saucedo; Mayor Tejeda  
NOES: Councilmember Barich and Davis  
ABSENT: None  
ABSTAINED: None

  
Jeanne Donaldson, City Clerk

## EXHIBIT "A"





RESOLUTION NO. 7735

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDLANDS APPROVING A MEMORANDUM OF AGREEMENT TO JOINTLY FORM A GROUNDWATER SUSTAINABILITY AGENCY FOR THE YUCAIPA SUB-BASIN NO. 8-02.07 AND TO COORDINATE WITH OTHER GROUNDWATER SUSTAINABILITY AGENCIES

WHEREAS, in September 2014, Governor Jerry Brown signed into law the Sustainable Groundwater Management Act (SGMA), which went into effect on January 1, 2015; and

WHEREAS, the legislative intent of the SGMA is to, among other goals, provide for sustainable management of groundwater basins and sub-basins defined by the California Department of Water Resources (DWR), to enhance local management of groundwater, to establish minimum standards for sustainable groundwater management, and to provide specified local agencies with the authority and technical and financial assistance necessary to sustainably manage groundwater; and

WHEREAS, Water Code Section 10723(a) authorizes a local agency with water supply, water management, or local land use responsibilities, or a combination of local agencies, overlaying a groundwater basin to elect to become a Groundwater Sustainability Agency (GSA) under the SGMA; and

WHEREAS, the City of Redlands (City), as depicted in the map attached hereto is Exhibit "A", overlies portions of the basin, and is identified by the California DWR Bulletin 118 as Sub-basin No. 8-02.07 of the Upper Santa Ana Valley Groundwater Basin; and

WHEREAS, in accordance with Water Code Section 10723(b) and Government Code Section 6066, a notice of public hearing was published in a newspaper of general circulation regarding the City's intent to become a GSA for the Yucaipa Sub-basin, as described in the notice; and

WHEREAS, becoming a GSA supports the City's ongoing efforts to use local water supplies in a way that increases its availability for future generations within the region and to ensure groundwater and drinking water sustainability within the area served;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Redlands as follows:

Section 1. The City hereby elects to adopt the MOA for the geographical area depicted on the map in Exhibit "A," attached to this Resolution.

Section 2. City staff is hereby directed to submit to DWR by June 30<sup>th</sup>, 2017, the MOA attached to this Resolution as Exhibit "B."

Section 3. This City further determines that approval of this Resolution is exempt from review under California Environmental Quality Act ("CEQA") pursuant to CEQA Guidelines Section 15061(b) which provides that CEQA applies only to projects which have the potential for causing a significant effect on the environment. This City Council finds with certainty that

there is no possibility the approval of this Resolution may have a significant effect on the environment.

Section 4. This Resolution shall be effective upon its adoption.

ADOPTED, SIGNED AND APPROVED this 6<sup>th</sup> day of June, 2017.

A handwritten signature in blue ink, appearing to read "Paul W. Foster", written over a horizontal line.

Paul W. Foster, Mayor

ATTEST:

A handwritten signature in blue ink, appearing to read "Jeanne Donaldson", written over a horizontal line.  
Jeanne Donaldson, City Clerk

I, Jeanne Donaldson, City Clerk of the City of Redlands, hereby certify that the foregoing Resolution was duly adopted by the City Council at a regular meeting thereof, held on the 6<sup>th</sup> day of June, 2017, by the following vote:

AYES: Councilmembers Harrison, Gilbreath, Barich, Tejada; Mayor Foster  
NOES: None  
ABSTAIN: None  
ABSENT: None

  
\_\_\_\_\_  
Jeanne Donaldson, City Clerk

## Exhibit A



Exhibit B to Resolution No. 7735

Memorandum of Agreement to Form a  
Groundwater Sustainability Agency for  
the Yucaipa Sub-Basin (Sub-basin No. 8-02.07)



**MEMORANDUM OF AGREEMENT TO FORM A  
GROUNDWATER SUSTAINABILITY AGENCY  
FOR THE YUCAIPA SUB-BASIN  
(Sub-basin No. 8-02.07)**

This 2017 Memorandum of Agreement ("MOA") is entered into by and among: South Mesa Water Company ("SOUTH MESA"), South Mountain Water Company ("SOUTH MOUNTAIN"), Western Heights Water Company ("WESTERN HEIGHTS") and Yucaipa Valley Water District ("YVWD"), herein collectively referred to as the "WATER PURVEYORS"; and, the City of Calimesa ("CALIMESA"), the City of Redlands ("REDLANDS") and the City of Yucaipa ("YUCAIPA"), herein collectively referred to as the "MUNICIPALITIES"; and, the San Bernardino Valley Municipal Water District ("SAN BERNARDINO VALLEY MUNICIPAL") and the San Geronimo Pass Water Agency ("SAN GORGONIO"), herein collectively referred to as the "REGIONALS." The MUNICIPALITIES are sometimes herein collectively referred to as the "LAND USE AGENCIES." Each of the above-described entities is individually referred to as a "Party" and are collectively referred to as the "Parties". For purposes of this MOA, SOUTH MESA, SOUTH MOUNTAIN and WESTERN HEIGHTS are collectively referred to as the "MUTUALS"; and, the Parties other than the MUTUALS are collectively referred to as the "LOCAL AGENCIES."

Pursuant to the Sustainable Groundwater Management Act ("SGMA") and as further set forth herein, the purpose of this MOA is to form a Groundwater Sustainability Agency ("GSA") for the entire Yucaipa Sub-basin (Basin or Sub-Basin No. 8-02.07), in order to preserve local management and control of the Basin as set forth under SGMA.

The County of Riverside ("RIVERSIDE") and the County of San Bernardino ("SAN BERNARDINO"), collectively "COUNTIES," shall be considered "Stakeholders" but not Parties to this MOA.

**Recitals**

**WHEREAS**, on September 16, 2014, Governor Jerry Brown signed into law Senate Bills 1168 and 1319, and Assembly Bill 1739, collectively known as the Sustainable Groundwater Management Act ("SGMA"), codified in certain provisions of the California Government Code, including commencing with Section 65350.5, and codified in Part 2.74 of Division 6 of the California *Water Code*, commencing with Section 10720, and amending other provisions of the California *Government Code* and California *Water Code*; and

**WHEREAS**, SGMA went into effect on January 1, 2015; and,

**WHEREAS**, various clarifying amendments to SGMA were signed into law in 2015, including Senate Bills 13 and 226, and Assembly Bills 617 and 939, which were codified in part in California *Water Code* Section 10723.6(a), authorizing a combination of local agencies to form a GSA pursuant to a joint powers agreement, a memorandum of agreement, or other legal agreement; and, California *Water Code* Section 10723.6(b), authorizing water corporations regulated by the California Public Utilities Commission and mutual water companies to participate in a GSA through a memorandum of agreement or other legal agreement; and

**WHEREAS**, the legislative intent and effect of SGMA, as set forth in California *Water Code* Section 10720.1, includes the following: (1) to provide for the sustainable management of groundwater basins; (2) to enhance local management of groundwater consistent with rights to use or store groundwater and Section 2 of Article X of the California Constitution, and to preserve the security of water rights in the state to the greatest extent possible consistent with the sustainable management of groundwater; (3) to establish minimum standards for sustainable groundwater management; (4) to provide local groundwater agencies with the authority and the technical and financial assistance necessary to sustainably manage groundwater; (5) to avoid or minimize subsidence; (6) to improve data collection and understanding about groundwater; (7) to increase groundwater storage and remove impediments to recharge; (8) to manage groundwater basins through the actions of local governmental agencies to the greatest extent feasible, while minimizing state intervention to only when necessary to ensure that local agencies manage groundwater in a sustainable manner; and (9) to provide a more efficient and cost-effective groundwater adjudication process that protects water rights, ensures due process, prevents unnecessary delay, and furthers the objectives of SGMA; and,

**WHEREAS**, SGMA affords GSAs specific powers to manage groundwater in addition to existing legal authorities, which powers may be used to provide the maximum degree of local control and flexibility consistent with the sustainability goals of SGMA; and,

**WHEREAS**, SGMA includes several un-codified findings by the California Legislature, including the determination that the people of the state have a primary interest in the protection, management, and reasonable beneficial use of the water resources of the state, both surface and underground, and that the integrated management of the state's water resources is essential to meeting its water management goals; and,

**WHEREAS**, the Basin, as depicted in **Exhibit A** to this MOA, is identified by the California Department of Water Resources Bulletin 118 as Sub-basin No. 8-02.07 of the Upper Santa Ana Valley Groundwater Basin, and is designated by DWR as medium-priority; and,

**WHEREAS**, California *Water Code* Section 10720.7 requires the Basin, as a medium-priority basin that is not designated by DWR as being subject to critical conditions of overdraft, to be managed by a Groundwater Sustainability Plan ("GSP") or coordinated GSPs by January 31, 2022; and,

**WHEREAS**, in order to avoid designation as a probationary basin and become subject to direct intervention and management by the State Water Board, California *Water Code* Section 10735.2 requires that, by June 30, 2017 a collection of local agencies must form a GSA or prepare agreements to develop one or more GSPs that will collectively serve as a GSP for the entire Basin, in the event that a local agency has not decided to become a GSA that intends to develop a GSP for the entire Basin; and,

**WHEREAS**, the LOCAL AGENCIES have water supply, water management, and/or land use responsibilities for their respective jurisdictional areas overlying the Basin and are local agencies as defined by SGMA in California *Water Code* Section 10721(n), and thus each is authorized by SGMA to become or form a GSA; and,

**WHEREAS**, the LOCAL AGENCIES' individually have jurisdictional and/or service areas within and their collective jurisdictional areas and/or service areas cover the entirety of the Basin, with no gaps in coverage; and,



**WHEREAS**, the WATER PURVEYORS, including the MUTUALS, produce groundwater and provide water service within the Basin, and it is the Parties' shared intent to provide for management-level participation by the MUTUALS in the GSA to the maximum extent allowed by law without limiting any powers afforded to a GSA under SGMA; and,

**WHEREAS**, the REGIONALS are State Water Contractors, and have the rights and duties of such, including for the delivery of State Water Project Water within the Basin; and,

**WHEREAS**, in accordance with the terms of this MOA, and in furtherance of the shared intent of the Parties to maximize funding opportunities for the Basin and avoid potential intervention in the Basin by the State Water Board, the Parties agree that the YUCAIPA-GSA formed by this MOA will cover the entire Basin; and,

**WHEREAS**, the Parties mutually desire and intend to work with local stakeholders and interested parties in the Basin that are not Parties to this MOA, to carry out the policy, purposes, and requirements of SGMA in the Basin.

### **Agreement**

**NOW, THEREFORE**, in consideration of the promises, terms, conditions, and covenants contained herein, it is mutually understood and agreed as follows:

- I. **Incorporation of Recitals.** The Recitals stated above are incorporated herein by reference.
- II. **Purposes.** The purposes of this MOA is to form the YUCAIPA-GSA for the Basin as specified herein pursuant to applicable provisions and requirements of SGMA, including but not limited to California *Water Code* Sections 10723 and 10723.6.
- III. **Approval of MOA and Formation of the YUCAIPA-GSA.** Approval of this MOA and formation of the YUCAIPA-GSA shall be accomplished by the LOCAL AGENCIES each holding its own noticed public hearing pursuant to California *Water Code* Section 10723(b) and California *Government Code* Section 6066 and at such hearing will consider approval of a Resolution by its governing board to enter this MOA and jointly form the YUCAIPA-GSA as specified in this MOA. Approval of this MOA by the MUTUALS shall be accomplished through their respective governing boards' duly authorized procedures.
- IV. **Definitions.** The following terms, whether used in the singular or plural, and when used with initial capitalization, shall have the meanings specified herein. The Parties agree that any definitions set forth herein are intended to be consistent with SGMA, and in the event of any discrepancy between a defined term in this MOA and a defined term in SGMA, the terms of SGMA shall control.
  - A. "Basin" refers to the Yucaipa Sub-basin, designated by the California Department of Water Resources Bulletin 118 as Sub-basin No. 8-02.07, as depicted in **Exhibit A** to this MOA.
  - B. "DWR" means the California Department of Water Resources.

- C. "GSA" means a Groundwater Sustainability Agency, as defined by SGMA.
- D. "GSP" means a Groundwater Sustainability Plan, as defined by SGMA.
- E. "Memorandum of Agreement" or "MOA" refers to this Memorandum of Agreement.
- F. "SGMA" refers to the Sustainable Groundwater Management Act, of 2014, as amended.
- G. "State Water Board" means the California State Water Resources Control Board.
- H. "YUCAIPA-GSA" refers to the Yucaipa Sub-basin GSA formed under this MOA.

#### **V. Coordination and Cooperation**

- A. Continued Cooperation. The Parties to this MOA will continue to meet, confer, coordinate, and collaborate to discuss and develop technical, managerial, financial, and other criteria and procedures for the preparation, governance, and implementation of a GSP or coordinated GSPs in the Basin and to carry out the policy, purposes, and requirements of SGMA in the Basin.
- B. Points of Contact. Each Party shall designate a principal contact person for that Party, who may be changed from time to time at the sole discretion of the designating Party. The principal contact person for each Party shall be responsible for coordinating with the principal contact persons for the other Parties in scheduling meetings and other activities under this MOA.
- C. Voting Methodology. The voting structure for matters pertaining to the establishment and implementation of the administrative components of the YUCAIPA-GSA shall be by simple majority (51%) of the voting Parties, wherein each WATER PURVEYOR, MUNICIPALITY and REGIONAL holds a single vote.

#### **VI. Roles and Responsibilities**

- A. The YUCAIPA-GSA shall be controlled by a Governing Board comprised of one representative of each of the Parties to this MOA.
- B. The Parties agree to jointly establish their specific roles and responsibilities for implementing this MOA, including through the adoption of organizational documents, management policies, rules and procedures.
- C. The Parties agree to jointly develop and implement a GSP or coordinated GSPs for the Basin in accordance with SGMA.
- D. The Parties agree to work in good faith and coordinate all activities to carry out the purposes of this MOA in implementing the policy, purposes, and requirements of SGMA in the Basin, including continuing to meet, confer, coordinate, and collaborate to discuss and develop governance, management, technical, financial, and other matters, including respective roles and responsibilities for activities such as, but not limited to, the following: modeling;



metering; monitoring; hiring consultants; developing and maintaining list of interested persons under California *Water Code* Section 10723.4; budgeting; and other initial tasks as determined by the Parties.

- E. The LOCAL AGENCIES shall coordinate with each other to cause all applicable noticing and submission of required information to DWR regarding formation of the YUCAIPA-GSA.

**VII. Funding and Budgeting.** The Parties shall work together to identify the costs, funding needs and funding sources for the administration of the YUCAIPA-GSA and the development and implementation of the GSP. To the extent not otherwise funded in accordance with or inconsistent with SGMA's provisions regarding GSA funding, the PURVEYORS shall collectively bear seventy-five percent (75%) and the MUNICIPALITIES and REGIONALS shall collectively bear twenty-five percent (25%) of the cost of the creation and administration of the YUCAIPA-GSA; and within each group, the Parties shall equally share in the costs of the creation and administration of the YUCAIPA-GSA. Nothing in this provision shall obligate any party to bear any portion of the attorneys' fees and legal costs of another Party.

**VIII. Stakeholders.** The initially designated stakeholders are the COUNTIES. The Parties agree to work together in ensuring public outreach and involvement of the public and other interested stakeholders throughout the SGMA process, including but not limited to all beneficial uses and users of groundwater as provided in SGMA Section 10723.2. Stakeholders have no voting rights under Section V.C. and no cost sharing obligations under Section VII of this MOA.

**IX. Term, Termination, and Withdrawal.**

- A. Term. This MOA shall continue and remain in effect unless and until terminated by the unanimous written consent of the Parties, or as otherwise provided in this MOA or as authorized by law.
- B. Withdrawal. After the YUCAIPA-GSA is officially established as the GSA for the Basin, any Party may decide, in its sole discretion, to withdraw from this MOA by providing ninety (90) days written notice to the other Parties. A Party that withdraws from this MOA shall remain obligated to pay its share of costs and expenses incurred or accrued under this MOA and any related cost-sharing agreement or arrangement up to the date the Party provides its notice of withdrawal as provided herein. Withdrawal by a Party shall not cause or require the termination of this MOA or the existence of the YUCAIPA-GSA with respect to the non-withdrawing Parties. In the event of withdrawal by one of the LOCAL AGENCIES, the Parties shall meet and confer during the 90-day notice period regarding: (i) whether the withdrawing Party wishes to seek GSA status for a portion of the Basin underlying the jurisdictional area or service area of the withdrawing Party; (ii) whether, as a result of the withdrawal, a co-GSA management or other arrangement with the withdrawing Party is necessary to satisfy the requirements of SGMA; and (iii) any other issues and steps that are necessary to avoid triggering probationary status of the Basin and State Water Board intervention. Any resolution of issues pertaining to withdrawal and any

other GSA issues shall be undertaken in a manner that satisfies all requirements of SGMA and DWR, including any requirement to file new GSA notices.

**X. Notice Provisions**

All notices required by this MOA shall be made in writing and delivered to the respective representatives of the Parties at their respective addresses as follows:

**PARTIES:**

**PURVEYORS:**

**South Mesa Water Company**

391 West Avenue L  
Calimesa, California 92320  
Attn: Dave Armstrong, General Manager  
Email: [smwc@verizon.net](mailto:smwc@verizon.net)

**South Mountain Water Company**

35 Cajon Street  
Redlands, California 92373  
Attn: Cecilia Griego, Water Resources Specialist  
Email: [cgriego@cityofredlands.org](mailto:cgriego@cityofredlands.org)

**Western Heights Water Company**

32352 Avenue D  
Yucaipa, California 92399  
Attn: William Brown, General Manager  
Email: [w.brown@westernheightswater.org](mailto:w.brown@westernheightswater.org)

**Yucaipa Valley Water District**

12770 Second Street  
Yucaipa, California 92399  
Attn: Joseph, Zoba, General Manager  
Email: [jzoba@yvwd.dst.ca.us](mailto:jzoba@yvwd.dst.ca.us)

**MUNICIPALS:**

**City of Calimesa**

908 Park Avenue  
Calimesa, California 92399  
Attn: Bonnie Johnson, City Manager  
Email: [bjohnson@cityofcalimesa.net](mailto:bjohnson@cityofcalimesa.net)

**City of Redlands**

35 Cajon Street  
Redlands, California 92373  
Attn: Chris Diggs, Municipal Utilities and Engineering Director  
Email: [cdiggs@cityofredlands.org](mailto:cdiggs@cityofredlands.org)

**City of Yucaipa**  
34272 Yucaipa Boulevard  
Yucaipa, California 92399  
Attn: Ray Casey, City Manager  
Email: [rcasey@yucaipa.org](mailto:rcasey@yucaipa.org)

**REGIONALS:**

**San Bernardino Valley Municipal Water District**  
380 E. Vanderbilt Way  
San Bernardino, CA 92408  
Attn: Douglas Headrick, General Manager & Chief Engineer  
Email: [douglash@sbnwmwd.com](mailto:douglash@sbnwmwd.com)

**San Geronimo Pass Water Agency**  
1210 Beaumont Avenue  
Beaumont, CA 92223  
Attn: Jeff Davis, General Manager and Chief Engineer  
Email: [jdavis@sgpwa.com](mailto:jdavis@sgpwa.com)

**STAKEHOLDERS:**

**COUNTIES:**

**County of Riverside**  
4080 Lemon Street  
Riverside, CA 92501  
Attn: Steve Horn, Senior Management Analyst, Executive Office  
Email: [shorn@rceo.org](mailto:shorn@rceo.org)

**County of San Bernardino**  
385 N. Arrowhead Avenue  
San Bernardino, CA 92415-0120  
Attn: Bob Page, Principal Management Analyst, Special Projects  
Email: [bpage@sbccounty.gov](mailto:bpage@sbccounty.gov)

Any Party or Stakeholder may change the address to which notices are to be given under this MOA by providing all other Parties with written notice of such change at least fifteen (15) calendar days prior to the effective date of the change. All notices shall be effective upon receipt and shall be deemed received upon confirmed personal service, confirmed facsimile delivery, confirmed courier service, or on the fifth (5<sup>th</sup>) calendar day following deposit of the notice in registered first class mail.

**XI. General Terms**

- A. Amendments. Amendments to this MOA require the unanimous written consent of all Parties and approval by the Parties' respective governing boards.
- B. Successors and Assigns. The terms of this MOA shall be binding upon and inure to the benefit of the successors-in-interest and assigns of each Party; provided, however, that no transfer or assignment shall be effective until approved by the



Parties in accordance with the provisions of Section V.C. of this MOA. Once succession and/or assignment has been approved, a former Party shall have no further rights or obligations under this MOA.

- C. Waiver. No waiver of any provision of this MOA by any Party shall be construed as a further or continuing waiver of such provision or any other provision of this MOA by the waiving Party or any other Party.
- D. Authorized Representatives. Each person executing this MOA on behalf of a Party hereto affirmatively represents that such person has the requisite authority to sign this MOA on behalf of the respective Party.
- E. Exemption from CEQA. The Parties recognize and agree that, pursuant to SGMA Section 10728.6, neither this MOA nor the preparation or adoption of a GSP constitute a "project" or approval of a project under the California Environmental Quality Act (CEQA) or the State CEQA Guidelines, and therefore this MOA is expressly exempt from CEQA review.
- F. Governing Law and Venue. This MOA shall be governed by and construed in accordance with the laws of the State of California. Any suit, action, or proceeding brought under the scope of this MOA shall be brought and maintained to the extent allowed by law in the County of San Bernardino, California.
- G. Attorney's Fees, Costs, and Expenses. In the event of a dispute among any or all of the Parties arising under this MOA, each Party shall assume and be responsible for its own attorney's fees, costs, and expenses.
- H. Entire Agreement/Integration. This MOA constitutes the entire agreement among the Parties regarding the specific provisions of this MOA, and the Parties hereto have made no agreements, representations or warranties relating to the specific provisions of this MOA that are not set forth herein.
- I. Construction and Interpretation. The Parties agree and acknowledge that this MOA has been developed through a negotiated process among the Parties, and that each Party has had a full and fair opportunity to review the terms of this MOA with the advice of its own legal counsel and to revise the terms of this MOA, such that each Party constitutes a drafting Party to this MOA. Consequently, the Parties understand and agree that no rule of construction shall be applied to resolve any ambiguities against any particular Party as the drafting Party in construing or interpreting this MOA.
- J. Force Majeure. No Party shall be liable for the consequences of any unforeseeable force majeure event that (1) is beyond its reasonable control, (2) is not caused by the fault or negligence of such Party, (3) causes such Party to be unable to perform its obligations under this MOA, and (4) cannot be overcome by the exercise of due diligence. In the event of the occurrence of a force majeure event, the Party unable to perform shall promptly notify the other Parties in writing to the extent practicable. It shall further pursue its best efforts to resume its obligations under this MOA as quickly as possible and shall suspend performance only for such period of time as is necessary as a result of the force majeure event.

- K. Execution in Counterparts. This MOA may be executed in counterparts, each of which shall be deemed an original and all of which when taken together shall constitute one and the same instrument.
- L. No Third Party Beneficiaries. This MOA is not intended, and will not be construed, to confer a benefit or create any right on a third party or the power or right of any third party to bring an action to enforce any of the terms of this MOA.
- M. Timing and Captions. Any provision of this MOA referencing a time, number of days, or period for performance shall be measured in calendar days. The captions of the various articles, sections, and paragraphs of this MOA are for convenience and ease of reference only, and do not define, limit, augment, or describe the scope, content, terms, or intent of this MOA.

IN WITNESS WHEREOF, the Parties hereto have approved and executed this MOA as of the respective dates specified in the adopting Resolution of each Party as provided above in Article III of this MOA.

[Signature Pages Follow]

**Water Purveyor Party:**

**SOUTH MESA WATER COMPANY**

By:

\_\_\_\_\_  
President, Board of Directors

Attest:

\_\_\_\_\_  
Secretary, Board of Directors

Approved as to form:

\_\_\_\_\_  
Counsel, South Mesa Water Company

Notices for the South Mesa Water Company shall be sent as follows:

Attention: General Manager  
391 West Avenue L  
Calimesa, California 92320

With copies to:

Michael Duane Davis, Esq.  
GRESHAM SAVAGE NOLAN & TILDEN, PC  
550 East Hospitality Lane  
Third Floor  
San Bernardino, CA 92408



**Water Purveyor Party:**

**SOUTH MOUNTAIN WATER COMPANY**

By:

\_\_\_\_\_  
President, Board of Directors

Attest:

\_\_\_\_\_  
Secretary, Board of Directors

Approved as to form:

\_\_\_\_\_  
Counsel, South Mountain Water Company

Notices for the South Mountain Water Company shall be sent as follows:

Attention: General Manager  
35 Cajon Street  
Redlands, California 92373

With copies to:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Water Purveyor Party:**

**WESTERN HEIGHTS WATER COMPANY**

By: \_\_\_\_\_  
President, Board of Directors

Attest:

\_\_\_\_\_  
Secretary, Board of Directors

Approved as to form:

\_\_\_\_\_  
Counsel, Western Heights Water Company

Notices for the Western Heights Water Company shall be sent as follows:

Attention: General Manager  
32352 Avenue D  
Yucaipa, California 92399

With copies to:

Michael Duane Davis, Esq.  
GRESHAM SAVAGE NOLAN & TILDEN, PC  
550 East Hospitality Lane  
Third Floor  
San Bernardino, CA 92408

**Water Purveyor Party:**

**YUCAIPA VALLEY WATER DISTRICT**

By: \_\_\_\_\_  
President, Board of Directors

Attest: \_\_\_\_\_  
Secretary, Board of Directors

Approved as to form: \_\_\_\_\_  
Counsel, Yucaipa Valley Water District

Notices for the Yucaipa Valley Water District shall be sent as follows:

Attention: General Manager  
12770 Second Street  
Yucaipa, California 92399

With copies to:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Municipality Party:**

**CITY OF CALIMESA**

By:

\_\_\_\_\_  
Mayor, City Council

Attest:

\_\_\_\_\_  
Secretary, City Council

Approved as to form:

\_\_\_\_\_  
Counsel, City of Calimesa

Notices for the City of Calimesa shall be sent as follows:

Attention: City Manager  
908 Park Avenue  
Calimesa, California 92320

With copies to:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Municipality Party:**

**CITY OF REDLANDS**

By: \_\_\_\_\_  
Mayor, City Council

Attest:

\_\_\_\_\_  
Secretary, City Council

Approved as to form:

\_\_\_\_\_  
Counsel, City of Redlands

Notices for the City of Redlands shall be sent as follows:

Attention: City Manager  
35 Cajon Street  
Redlands, California 92373

With copies to:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**Municipality Party:**

**CITY OF YUCAIPA**

By:

\_\_\_\_\_  
Mayor, City Council

Attest:

\_\_\_\_\_  
Secretary, City Council

Approved as to form:

\_\_\_\_\_  
Counsel, City of Yucaipa

Notices for the City of Yucaipa shall be sent as follows:

Attention: City Manager  
34272 Yucaipa Boulevard  
Yucaipa, California 92399

With copies to:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Regional Party:

**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT**

By: \_\_\_\_\_  
President, Board of Directors

Attest:

\_\_\_\_\_  
Secretary, Board of Directors

Approved as to form:

\_\_\_\_\_  
Counsel, San Bernardino Valley Municipal Water District

Notices for the San Bernardino Valley Municipal Water District shall be sent as follows:

Attention: General Manager  
380 E. Vanderbilt Way  
San Bernardino, California 92408

With copies to:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Regional Party:**

**SAN GORGONIO PASS WATER AGENCY**

By: \_\_\_\_\_  
President, Board of Directors

Attest:

\_\_\_\_\_  
Secretary, Board of Directors

Approved as to form:

\_\_\_\_\_  
Counsel, San Gorgonio Pass Water Agency

Notices for the San Gorgonio Pass Water Agency shall be sent as follows:

Attention: General Manager  
1210 Beaumont Avenue  
Beaumont, California 92223

With copies to:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Stakeholder:**

**COUNTY OF RIVERSIDE**

By:

\_\_\_\_\_  
Chair, Board of Supervisors

Attest:

\_\_\_\_\_  
Secretary, Board of Supervisors

Approved as to form:

\_\_\_\_\_  
Counsel, County of Riverside

Notices for the County of Riverside shall be sent as follows:

Attention: General Manager  
4080 Lemon Street  
Riverside, California 92501

With copies to:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Stakeholder:

COUNTY OF SAN BERNARDINO

By:

\_\_\_\_\_  
Chair, Board of Supervisors

Attest:

\_\_\_\_\_  
Secretary, Board of Supervisors

Approved as to form:

\_\_\_\_\_  
Counsel, County of San Bernardino

Notices for the County of San Bernardino shall be sent as follows:

Attention: General Manager  
385 N. Arrowhead Avenue  
San Bernardino, California 92415-0120

With copies to:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



October 30, 2024

Yucaipa Groundwater Sustainability Agency  
c/o San Bernardino Valley Municipal Water District  
380 East Vanderbilt Way  
San Bernardino, California 92408

Subject: Proposal to Prepare for and Participate in the November 2024 Pumping Credits Workshop

Dear Yucaipa GSA Member Agencies:

During the July 31, 2024 Yucaipa Groundwater Sustainability Agency (GSA) Board meeting, the GSA Board elected to hold a workshop on the application and use of pumping credits as defined under Management Action no.2 in the Yucaipa Subbasin GSP. Management Action no.2 established sustainable yield pumping allocations and the concept of applying pumping credits to sustainably manage groundwater in the Yucaipa Subbasin. It also recognized that groundwater users have the right to produce and put to beneficial use groundwater at rates that may exceed their sustainable yield pumping allocations. At which point, the groundwater user may apply pumping credits, if previously earned and available, to offset the pumping exceedance or implement other actions to reduce groundwater usage in subsequent years to balance their long-term usage.

The pumping credits workshop is an opportunity for the GSA Board, interested stakeholders and public members to discuss the derivation of sustainable yield pumping allocations and the application of pumping credits. Dudek will provide a summary review of other GSAs/entities that employ pumping credits or similar groundwater management programs. Some topics to address at the workshop are:

- whether a minimum annual usage of groundwater should be established for users to become eligible for earning pumping credits; and,
- whether the 5-year rolling pumping credit accounting program is appropriate, or should the GSA consider an accounting program aligned with drought cycles; and,
- whether pumping credits are allowed to be transferred from one user to another and, if so, how?

The following scope of work and fee details the tasks Dudek will undertake to prepare for and participate in the November pumping credits workshop.

# 1 Scope of Work

## Task 1 Prepare Presentation for Workshop

Dudek will prepare a 15- to 20-minute presentation summarizing Management Action No. 2 in the GSP, the derivation of the sustainable yield pumping allocations for each groundwater user, the methodology for assigning pumping credits, and a summary of other similar groundwater management programs employed in other basins. Following the presentation will be a Q&A session/discussion on topics concerning the eligibility, application and management of pumping credits.

Dudek will provide a draft presentation to the GSA Board members to review and provide comments at least two weeks before the workshop. The GSA Board members will have about 10 days to review and provide comments to Dudek. Please see the proposed schedule below.

*Fee for Task 1 ..... \$6,600.00*

## Task 2 Participation at Workshop

Mr. Stuart will commute to the workshop and participate by providing the presentation and assist the Yucaipa GSA in addressing questions and comments by other meeting participants at the workshop.

*Fee for Task 2 ..... \$2,400.00*

## Schedule

The following schedule outlines the anticipated meetings and deliverables:

- **November 5, 2024** – Draft presentation to GSA Board members to review and provide comments
- **November 6 – 15, 2024** – Review period for GSA Board members
- **November 18 – 19, 2024** – Revise presentation per comments received and finalize presentation
- **November 20, 2024** – Pumping Credits Workshop

## Fee Summary

The fee presented in this proposal will be charged on a time and materials basis in accordance with Dudek's 2024 Standard Schedule of Charges. The time and materials fee provided in this proposal represents an estimate of the anticipated level of effort required to complete the tasks described in the proposal. Should the actual effort required to complete the tasks be less than anticipated, the amount billed will be less than the total fee. Conversely, should the actual effort to complete the proposed tasks be greater than anticipated, additional fee authorizations will be requested. No work in excess of the

proposed fee or outside of the proposed scope of work will be performed without written authorization from the Yucaipa GSA.

**TOTAL FEE.....\$9,000**


Per Section VII, Funding and Budgeting, in the Memorandum of Agreement to Form a Groundwater Sustainability Agency for the Yucaipa Subbasin, the water purveyors shall collectively bear 75% and the municipalities and regionals shall bear 25% of the cost of administration of the Yucaipa GSA. The following is a breakdown of the shared responsibility for the proposed fee:

- For each Water Purveyor (South Mesa, South Mountain, WHWC, YVWD) = \$1,687.50
- For each Municipality and Regional (City of Yucaipa, SBVMWD, SGPWA) = \$750.00

Dudek appreciates the opportunity to prepare for and participate in the November Pumping Credits Workshop. We look forward to continuing our working relationship with the Yucaipa GSA.

If you have any questions regarding this proposal, please call me at 760-415-9079 or email me at [sstuart@dudek.com](mailto:sstuart@dudek.com).

Sincerely,

  
\_\_\_\_\_  
Steven Stuart, PE C79764  
Principal Hydrogeologist, Project Manager

Att.: Table 1. Fee for Dudek to Prepare for and Participate in Pumping Credits Workshop  
Dudek 2024 Standard Schedule of Charges  
cc: Adekunle Ojo, San Bernardino Valley Municipal Water District

---

# Attachment A

## Table 1. Fee for Participating in the November 2024 Pumping Credits Workshop

### Dudek 2024 Standard Schedule of Charges

**TABLE I. FEE TO PREPARE FOR AND PARTICIPATE IN NOVEMBER 2024 PUMPING CREDITS WORKSHOP  
DUDEK FEE SCHEDULE**

		<i>Team Member:</i>	Steven Stuart, PE	TOTAL HOURS	LABOR COST	TOTAL
		<i>Project Team Role:</i>	Project Manager			
		<i>Labor Class:</i>	Principal Hydrogeologist II			
		<i>Billable Rate :</i>	\$300			
Task 1 - Prepare for Workshop						
1-1	Prepare Presentation		22	22	\$ 6,600	\$ 6,600
	Subtotal Task 1		22	22	\$ 6,600	\$ 6,600
Task 2 - Participate in Workshop						
2-1	Participate at Workshop		8	8	\$ 2,400	\$ 2,400
	Subtotal Task 2		8	8	\$ 2,400	\$ 2,400
	Total Hours and Fee		30	30	\$ 9,000.00	\$ 9,000.00



## DUDEK 2024 Standard Schedule of Charges

### Engineering Services

Project Director.....	\$335.00/hr
Principal Engineer III.....	\$310.00/hr
Principal Engineer II.....	\$290.00/hr
Principal Engineer I.....	\$280.00/hr
Program Manager.....	\$265.00/hr
Senior Project Manager.....	\$265.00/hr
Project Manager.....	\$255.00/hr
Senior Engineer III.....	\$250.00/hr
Senior Engineer II.....	\$240.00/hr
Senior Engineer I.....	\$230.00/hr
Project Engineer IV/Technician IV.....	\$220.00/hr
Project Engineer III/Technician III.....	\$210.00/hr
Project Engineer II/Technician II.....	\$200.00/hr
Project Engineer I/Technician I.....	\$180.00/hr
3D Production Manager.....	\$210.00/hr
Senior Designer II.....	\$200.00/hr
Senior Designer I.....	\$195.00/hr
Designer.....	\$185.00/hr
Assistant Designer.....	\$180.00/hr
CADD Operator III.....	\$175.00/hr
CADD Operator II.....	\$165.00/hr
CADD Operator I.....	\$145.00/hr
CADD Drafter.....	\$135.00/hr
CADD Technician.....	\$120.00/hr
Project Coordinator.....	\$155.00/hr
Engineering Assistant.....	\$125.00/hr

### Environmental Services

Senior Project Director.....	\$330.00/hr
Project Director.....	\$285.00/hr
Senior Specialist V.....	\$260.00/hr
Senior Specialist IV.....	\$245.00/hr
Senior Specialist III.....	\$235.00/hr
Senior Specialist II.....	\$225.00/hr
Senior Specialist I.....	\$210.00/hr
Specialist V.....	\$195.00/hr
Specialist IV.....	\$185.00/hr
Specialist III.....	\$175.00/hr
Specialist II.....	\$165.00/hr
Specialist I.....	\$155.00/hr
Analyst V.....	\$145.00/hr
Analyst IV.....	\$135.00/hr
Analyst III.....	\$125.00/hr
Analyst II.....	\$115.00/hr
Analyst I.....	\$105.00/hr
Technician III.....	\$90.00/hr
Technician II.....	\$80.00/hr
Technician I.....	\$70.00/hr

### Mapping and Surveying Services

Application Developer II.....	\$220.00/hr
Application Developer I.....	\$155.00/hr
GIS Analyst V.....	\$205.00/hr
GIS Analyst IV.....	\$170.00/hr
GIS Analyst III.....	\$150.00/hr
GIS Analyst II.....	\$135.00/hr
GIS Analyst I.....	\$125.00/hr
UAS Pilot.....	\$145.00/hr
Survey Lead.....	\$235.00/hr
Survey Manager.....	\$210.00/hr
Survey Crew Chief.....	\$165.00/hr
Survey Rod Person.....	\$120.00/hr
Survey Mapping Technician.....	\$95.00/hr

### Construction Management Services

Principal/Manager.....	\$195.00/hr
Senior Construction Manager.....	\$185.00/hr
Senior Project Manager.....	\$180.00/hr
Construction Manager.....	\$175.00/hr
Project Manager.....	\$170.00/hr
Resident Engineer.....	\$175.00/hr
Construction Engineer.....	\$170.00/hr
On-site Owner's Representative.....	\$160.00/hr
Prevailing Wage Inspector.....	\$155.00/hr
Construction Inspector.....	\$145.00/hr
Administrator/Labor Compliance.....	\$120.00/hr

### Hydrogeology/HazWaste Services

Project Director.....	\$335.00/hr
Principal Hydrogeologist/Engineer III.....	\$310.00/hr
Principal Hydrogeologist/Engineer II.....	\$300.00/hr
Principal Hydrogeologist/Engineer I.....	\$290.00/hr
Senior Hydrogeologist V/Engineer V.....	\$265.00/hr
Senior Hydrogeologist IV/Engineer IV.....	\$255.00/hr
Senior Hydrogeologist III/Engineer III.....	\$245.00/hr
Senior Hydrogeologist II/Engineer II.....	\$235.00/hr
Senior Hydrogeologist I/Engineer I.....	\$225.00/hr
Project Hydrogeologist V/Engineer V.....	\$215.00/hr
Project Hydrogeologist IV/Engineer IV.....	\$205.00/hr
Project Hydrogeologist III/Engineer III.....	\$195.00/hr
Project Hydrogeologist II/Engineer II.....	\$185.00/hr
Project Hydrogeologist I/Engineer I.....	\$175.00/hr
Hydrogeologist/Engineering Assistant.....	\$140.00/hr
HazMat Field Technician.....	\$125.00/hr

### District Management & Operations

District General Manager.....	\$230.00/hr
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Operations Manager.....	\$165.00/hr
District Secretary/Accountant.....	\$145.00/hr
Collections System Manager.....	\$145.00/hr
Grade V Operator.....	\$135.00/hr
Grade IV Operator.....	\$115.00/hr
Grade III Operator.....	\$110.00/hr
Grade II Operator.....	\$90.00/hr
Grade I Operator.....	\$80.00/hr
Operator in Training.....	\$75.00/hr
Collection Maintenance Worker.....	\$80.00/hr

### Creative Services

Creative Services IV.....	\$175.00/hr
Creative Services III.....	\$150.00/hr
Creative Services II.....	\$140.00/hr
Creative Services I.....	\$125.00/hr

### Publications Services

Technical Editor IV.....	\$175.00/hr
Technical Editor III.....	\$150.00/hr
Technical Editor II.....	\$140.00/hr
Technical Editor I.....	\$125.00/hr
Publications Specialist IV.....	\$130.00/hr
Publications Specialist III.....	\$115.00/hr
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Publications Specialist I.....	\$100.00/hr
Clerical Administration.....	\$90.00/hr

**Expert Witness** – Court appearances, depositions, and interrogatories as expert witness will be billed at 2.00 times normal rates.

**Emergency and Holidays** – Minimum charge of two hours will be billed at 1.75 times the normal rate.

**Material and Outside Services** – Subcontractors, rental of special equipment, special reproductions and blueprinting, outside data processing and computer services, etc., are charged at 1.15 times the direct cost.

**Travel Expenses** – Mileage at current IRS allowable rates. Per diem where overnight stay is involved is charged at cost.

**Invoices, Late Charges** – All fees will be billed to Client monthly and shall be due and payable upon receipt. Invoices are delinquent if not paid within 30 days from the date of the invoice. Client agrees to pay interest at a 10% annual rate for amounts unpaid greater than 30 days after the date of the invoice.

**Annual Increases** – Unless identified otherwise, these standard rates will increase in line with the CPI-U for the nearest urban area per the Department of Labor Statistics to where the work is being completed) or by 3% annually, whichever is higher.

**Prevailing Wage** – The rates listed above assume prevailing wage rates do not apply. If this assumption is incorrect Dudek reserves the right to adjust its rates accordingly.

October 30, 2024

Yucaipa Groundwater Sustainability Agency  
c/o San Bernardino Valley Municipal Water District  
380 East Vanderbilt Way  
San Bernardino, California 92408

**Subject: Proposal to Address DWR Recommended Corrective Actions #3, #4, #5, and #6  
for the Yucaipa Subbasin Groundwater Sustainability Plan**

Dear Yucaipa GSA Member Agencies:

The California Department of Water Resources (DWR) approved the Yucaipa Subbasin Groundwater Sustainability Plan (GSP) on January 18, 2024. In DWR's approval letter, they included nine (9) recommended corrective actions (RCA) "that the GSA should consider addressing by the first periodic evaluation of the Plan." The first periodic evaluation of the Yucaipa Subbasin GSP is due to DWR by the end of January 2027. DWR noted that "addressing the recommended corrective actions...will be important to demonstrate, on an ongoing basis, that implementation of the Plan is likely to achieve the sustainability goal." Of the nine recommended corrective actions by DWR, we propose to begin addressing four to help inform the preparation of the first periodic evaluation and, potentially, the development of a Plan Amendment that will require public outreach and review.

Three of the four recommended corrective actions concern the sustainable management criteria defined for the North Bench, Calimesa and Western Heights management areas. DWR noted in their approval letter that "the GSP does not describe the actual impacts or effects of undesirable results on all beneficial uses and users of water for the chronic lowering of groundwater levels, which provided only a broad overview of potential effects, nor for reduction in groundwater storage, nor land subsidence, degraded groundwater quality, nor interconnected surface water." DWR continued to add, "GSAs need to describe the conditions and impacts that the GSA intends to manage to avoid to demonstrate informed decision making, a consideration of all relevant factors, full disclosure to interested parties, and to facilitate Department's ongoing and future review of Plan implementation to ensure that the negative effects of undesirable results are, in fact, being avoided by the GSA's management."

The following scope of work details the tasks Dudek will undertake to develop proposed modifications to the sustainable management criteria to specifically identify the beneficial users and uses that would be impacted when undesirable results occur. Modifying the GSP to redefine the sustainable management criteria and undesirable results will most likely necessitate a Plan Amendment, which would require public outreach and engagement, at least a 90-day public notice and review period, and adoption by the GSA Board at a public hearing. Modifications to the GSP may include details on impacts to specific users and uses of groundwater and the removal of the general undesirable result of a decrease in the volume of groundwater in storage.

DWR recommends that the GSA develop a "private and domestic well inventory" to identify when potential impacts may affect wells when water levels decline in the Subbasin. Additionally, the GSA must define specific undesirable results for the other sustainability criteria, including reduction in groundwater in storage, land subsidence, depletion of interconnected surface water, and degradation of water quality. DWR noted increasing

trends in nitrate concentrations in the Calimesa management area that require the development of sustainability criteria for the degradation of water quality.

# 1 Scope of Work

## Task 1 Address RCA 3

The Yucaipa Subbasin GSP did not identify the degradation of water quality as a sustainability indicator applicable in the Yucaipa Subbasin. However, DWR Recommended Corrective Action #3 calls for the GSA to establish monitoring and sustainable management criteria for the degradation of water quality. DWR recommend the GSA identify suitable constituents of concern to manage and monitor for degradation of water quality throughout the Subbasin, evaluate their presence in the Subbasin in comparison to maximum contaminant levels and suggested maximum contaminant levels, and establish monitoring networks and sustainable management criteria for constituents of concern that may affect beneficial uses and users in the Subbasin.

Recent trends in nitrate concentrations observed at wells YVWD-12, YVWD-24 and YVWD-02 in the Calimesa management area to levels approaching or exceeding the California Maximum Contaminant Level (MCL) of 10 milligrams per liter (mg/L) as nitrogen are the impetus for establishing sustainable management criteria for the degradation of water quality.

Dudek will compile the nitrate (as nitrogen) concentration data and compare against water level trends, production, climatic conditions, and historical usage of septic systems and/or agricultural practices in the Calimesa management area to characterize the source and/or cause of the observed increasing concentration trends. Dudek will also research other potential constituents of concern (e.g., TDS) that may require development of sustainable management criteria. The same process used for compiling and characterizing nitrate trends will be implemented if other constituents of concern are identified. Dudek will establish minimum thresholds and measurable objectives related to degradation of water quality, and identify specific impacts when an undesirable result may occur (e.g., shutting down a particular well, like YVWD-12, when the nitrate concentration exceeds the MCL).

**Fee for Task 1..... \$14,180.00**

## Task 2 Address RCA 4

Recommended Corrective Action #4 indicated that the GSA should describe the potential effects on the beneficial uses and users of groundwater, on land uses and property interests, and other potential effects that may occur or are occurring from undesirable results for each sustainability indicator. DWR recommends that the GSA describe and, when applicable, quantify for each sustainability indicator the conditions that the GSA deems to be significant and unreasonable such that if they were to occur they would constitute undesirable results for the various sustainability indicators. The following subtasks include proposed steps to redefine the sustainable management criteria for each undesirable result for the Yucaipa Subbasin (except degradation of water quality which was addressed in Task 1).

## Task 2.1 Chronic Lowering of Groundwater Levels

During the initial stages of developing the sustainable management criteria for the Yucaipa Subbasin, the GSA did review potential production declines at specific wells by comparing a declining water level in a well relative to its screen interval. The GSA attempted to quantify the effect of declining water levels by defining a reduction in supply based on the saturated thickness of the well screen. For example, if the saturated screen interval of YVWD-44 declined to 50%, then the average annual production from this well would decline by 75% and constitute an undesirable result.

This task will revisit the construction details for wells in the Subbasin, including private wells as that information is collected by the private domestic users that volunteer the information and participate in the sustainable management of the Subbasin. Dudek will develop a process to associate potential declines in production by a certain percentage (e.g., 50%) of saturated screen interval for varying declines in water levels. Dudek will also assess how a chronic lowering of groundwater levels may affect other sustainability indicators or may be used as a proxy to evaluate other sustainability indicators.

## Task 2.2 Reduction in Groundwater in Storage

The GSP currently relates a specific reduction in groundwater in storage in the North Bench, Western Heights, and Calimesa management areas as an undesirable result for all applicable sustainability indicators in the Subbasin. Dudek will reevaluate reductions in groundwater storage in this task to assess specifically what an undesirable result would occur when a specific volume of groundwater is lost in a management area. For example, a loss of a specific volume of groundwater in storage may equate to a volume of water a purveyor may desire to have in storage as a backup supply should SWP water not be available for a prolonged period of time. Dudek will develop proposed sustainability criteria for this indicator and request input from the GSA to confirm the appropriate approach in defining undesirable results relative to this sustainability indicator.

## Task 2.3 Land Subsidence

This task will identify specific infrastructure at or near land surface that may be impacted by significant and unreasonable land subsidence as a result of groundwater production from the principal aquifer. This may include, for example, defining sustainable management criteria to avoid land subsidence that would affect the East Branch Extension of the SWP supply pipeline along Bryant Street in Yucaipa, the engineered channel for Oak Glen Creek, and the spreading basins in the Subbasin. Land subsidence may also impact the water distribution systems for the purveyors in the Subbasin. This task will quantify what a significant and unreasonable decrease in land surface elevation will be to cause impacts to existing infrastructure and land uses in the Subbasin.

## Task 2.4 Depletion of Connected Surface Water

DWR is releasing guidance documents on how to quantify depletions of interconnected surface water, including the rate of depletion. The GSP identified areas with GDEs and potential GDEs, and identified next steps to implement to confirm GDEs and impacts by production from the principal aquifer on GDEs. The GSA will continue reviewing the guidance documents, and new documents as they are released by DWR, to develop a plan to address the depletion of interconnected surface water and how the GSA will quantify such depletions.

*Fee for Task 2..... \$41,060.00*

Task 3      Address RCA 5

Recommended Corrective Action #5 indicated that the GSA should revise its definition of undesirable results to clearly identify the combination of minimum threshold exceedances for each sustainability indicator that the GSA believes would indicate that undesirable results are likely in the Subbasin. The GSA should select this combination of minimum threshold exceedances by choosing a combination of minimum thresholds that represent conditions that may be reached without causing significant and unreasonable negative effects on beneficial uses and users in the Subbasin.

When specific undesirable results are defined for each of the five applicable sustainability indicators, then the GSA will evaluate how one or a collection of indicators may affect another sustainability indicator. DWR notes that “GSP regulations require GSAs to describe the relationship between the minimum thresholds for each sustainability indicator.” For instance, if new groundwater level minimum thresholds are defined for specific wells that mark an undesirable result of significant reduction in well production, how do these groundwater levels relate to the undesirable result defined for a decline in storage of groundwater?

Dudek will evaluate the interrelationship between minimum thresholds and assess whether an undesirable results for one sustainability indicator will cause or lead to an undesirable results for another sustainability indicator. The results of the analysis will be included in a technical memorandum prepared for the GSA (see Task 5).

*Fee for Task 3..... \$12,700.00*

Task 4      Address RCA 6

Recommended Corrective Action #6a indicated that the GSA should provide the information and methodologies used to develop the sustainable management criteria for each applicable sustainability indicator for the Yucaipa Subbasin. This will include information on the procedures used to define the sustainable management criteria, and references to figures, tables, and other analytical tools to develop the criteria. Dudek will develop this information during the tasks 2 and 3, and will organize this information for inclusion in the periodic evaluation report and amendment as supporting information for the development of the sustainable management criteria.

Recommended Corrective Action #6b indicated that the GSA should evaluate how conditions at minimum thresholds may affect the interests of beneficial uses and users of groundwater or land uses and property interests. This will be mostly addressed under task 2 as Dudek will identify the specific impacts to beneficial users and uses should conditions approach or exceed minimum thresholds.

Recommended Corrective Action #6c indicates that the GSA should demonstrate the relationship between groundwater levels and other sustainability indicators, including the minimum thresholds for each sustainability indicator, and including an explanation of how the Agency has determined that basin conditions at each minimum threshold will avoid undesirable results for each of the sustainability indicators. Department staff recommend the GSA use the best available science to quantitatively evaluate the interaction of conditions between sustainability indicators at minimum thresholds.



These three recommendations, 6a, 6b and 6c, will mostly be addressed when responding to recommended corrective actions 4 and 5. Here, the GSA will include details on how the measurable objectives and minimum thresholds were defined using specific data observed in the Subbasin and projected conditions using the YIHM. Dudek will prepare supporting tables, figures, and analyses to document how the sustainability criteria were developed for each applicable sustainability indicator, and how these will relate to each other. This information will be included in the technical memorandum prepared for the GSA as described in Task 6.

**Fee for Task 4..... \$11,700.00**

Task 5     Technical Memorandum

Dudek will prepare a technical memorandum detailing the work completed in Tasks 1 – 4, with recommendations to the GSA on modifying the GSP based on potentially redefining the sustainable management criteria for the four management areas in the Yucaipa Subbasin. Dudek anticipates incorporating the details and results from these tasks in the periodic evaluation report and will help inform the amendments to the GSP, which will be detailed and presented to DWR at the same time the periodic evaluation report is submitted in January 2027.

Deliverables

- A draft technical memorandum that will include the following:
  - Proposed sustainability management criteria for the degradation of water quality;
  - Proposed modifications to the sustainable management criteria for the four sustainability indicators defined in the GSP: chronic lowering of groundwater levels, reduction of groundwater in storage, land subsidence, and interconnected surface water. The proposed modifications will identify and quantify specific impacts to beneficial users and uses of groundwater in the Subbasin;
  - An evaluation of the relationship between undesirable results and whether the exceedance of a minimum threshold(s) will cause an undesirable result for a different sustainability indicator;
  - The technical memorandum will include an assessment of whether the proposed modifications of the sustainable management criteria will necessitate an amendment to the GSP, and will identify how the GSP will be amended.

**Fee for Task 5..... \$19,860.00**

Task 6     Project Management

The Dudek project manager, Mr. Steven Stuart, will coordinate any information requests, meetings, and correspondence with the Yucaipa GSA members and staff to facilitate the tasks described in this scope of work. Mr. Stuart will oversee all work conducted by staff, and coordinate the submittal of project invoices and project progress reports to the GSA.

**Fee for Task 6..... \$9,920.00**

## Schedule

The anticipated schedule for addressing DWR RCA 3, 4, 5 and 6 and preparing a technical memorandum is:

- **January 2025** - Anticipated Start Date per authorization by the Yucaipa GSA to proceed and executed contract with SBVMWD
- **May 30, 2025** - Draft technical memorandum on addressing RCA 3, 4, 5, and 6 with proposed modifications and recommended next steps to GSA to review
- **June 2 – 20, 2025** – Three-week review period for Yucaipa GSA
- **June 23 – July 11, 2025** – Dudek to revise draft annual report per Yucaipa GSA comments
- **July 23, 2025**– Dudek to present Final Technical Memorandum at GSA Board Meeting

## Fee Summary

The fee presented in this proposal will be charged on a time and materials basis in accordance with Dudek’s 2024 Standard Schedule of Charges effective September 2024. The time and materials fee provided in this proposal represents an estimate of the anticipated level of effort required to complete the tasks described in the proposal. Should the actual effort required to complete the tasks be less than anticipated, the amount billed will be less than the total fee. Conversely, should the actual effort to complete the proposed tasks be greater than anticipated, additional fee authorizations will be requested. No work in excess of the proposed fee or outside of the proposed scope of work will be performed without written authorization from the Yucaipa GSA.

**TOTAL FEE.....\$109,420.00**

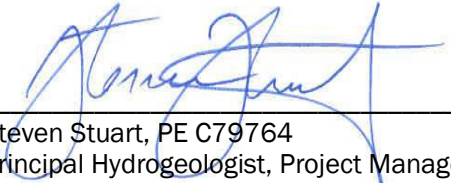
Per Section VII, Funding and Budgeting, in the Memorandum of Agreement to Form a Groundwater Sustainability Agency for the Yucaipa Subbasin, the water purveyors shall collectively bear 75% and the municipalities and regionals shall bear 25% of the cost of administration of the Yucaipa GSA. The following is a breakdown of the shared responsibility for the proposed fee:

- For each Water Purveyor (South Mesa, South Mountain, WHWC, YVWD) = \$20,516.20
- For each Municipality and Regional (City of Yucaipa, SBVMWD, SGPWA) = \$9,118.33

Dudek appreciates the opportunity to present this proposal to address DWR’s recommended corrective actions #3, #4, #5, and #6 in preparation of developing the first periodic evaluation of the Yucaipa Subbasin GSP by January 2027. Of the nine RCAs included in DWR’s approval letter of the GSP, these four RCAs demand the most work in review, reevaluation, and potential modifications to the GSP that may necessitate a Plan amendment. We look forward to continuing our working relationship with the Yucaipa GSA and assisting the GSA in sustainably managing the Subbasin now and in to the future.

If you have any questions regarding this proposal, please call me at 760-415-9079 or email me at [sstuart@dudek.com](mailto:sstuart@dudek.com).

Sincerely,



---

Steven Stuart, PE C79764  
Principal Hydrogeologist, Project Manager

Att.: Table 1. Fee to Address RCA 3, 4, 5 and 6 for the Yucaipa GSP  
Dudek 2024 Standard Schedule of Charges  
cc: Adekunle Ojo, San Bernardino Valley Municipal Water District  
Michael Plinski, San Bernardino Valley Municipal Water District

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## Attachment A

Table 1. Fee to Address DWR RCA 3, 4, 5 and 6 for Yucaipa  
GSP  
Dudek 2024 Standard Schedule of Charges

TABLE I. FEE TO ADDRESS DWR RECOMMENDED CORRECTIVE ACTIONS 3, 4, 5 AND 6 FOR THE YUCAIPA  
SUBBASIN GROUNDWATER SUSTAINABILITY PLAN  
DUDEK FEE SCHEDULE

		Team Member:	Steven Stuart, PE	Sharlynn Pimentel	TOTAL HOURS	LABOR COST	TOTAL
		Project Team Role:	Project Manager	Hydrogeologist			
		Labor Class:	Principal Hydrogeologist II	Hydrogeologist IV			
		Billable Rate :	\$310	\$215			
<b>Task 1 - RCA 3 - Degradation of Water Quality</b>							
1.1	Compile and Analyze Water Quality Data	4	16	20	\$	4,680	\$ 4,680
1.2	Develop Proposed Sustainability Criteria for Degradation of Water Quality	14	24	38	\$	9,500	\$ 9,500
	<b>Subtotal Task 1</b>	<b>18</b>	<b>40</b>	<b>58</b>	<b>\$</b>	<b>14,180</b>	<b>\$ 14,180</b>
<b>Task 2 - RCA 4 - Identify Specific Impacts to Beneficial Uses and Users</b>							
2.1	Chronic Lowering of Groundwater Levels	20	48	68	\$	16,520	\$ 16,520
2.2	Reduction in Groundwater in Storage	8	16	24	\$	5,920	\$ 5,920
2.3	Land Subsidence	8	12	20	\$	5,060	\$ 5,060
2.4	Depletion of Connected Surface Water	16	40	56	\$	13,560	\$ 13,560
	<b>Subtotal Task 2</b>	<b>52</b>	<b>116</b>	<b>168</b>	<b>\$</b>	<b>41,060</b>	<b>\$ 41,060</b>
<b>Task 3 - RCA 5 - Evaluation of Combination of Undesirable Results</b>							
3.1	Evaluation and Analysis	16	36	52	\$	12,700	\$ 12,700
	<b>Subtotal Task 3</b>	<b>16</b>	<b>36</b>	<b>52</b>	<b>\$</b>	<b>12,700</b>	<b>\$ 12,700</b>
<b>Task 4 - RCA 6 - Supporting Information Justifying Sustainable Management Criteria</b>							
4.1	Organize Information Supporting Development of Sustainability Criteria, including figures, tables.	10	40	50	\$	11,700	\$ 11,700
	<b>Subtotal Task 4</b>	<b>10</b>	<b>40</b>	<b>50</b>	<b>\$</b>	<b>11,700</b>	<b>\$ 11,700</b>
<b>Task 5 - Technical Memorandum</b>							
5-1	Draft Technical Memorandum	24	40	64	\$	16,040	\$ 16,040
5-2	Address Comments from GSA	2	4	6	\$	1,480	\$ 1,480
5-3	Finalize Technical Memorandum	2	8	10	\$	2,340	\$ 2,340
	<b>Subtotal Task 5</b>	<b>28</b>	<b>52</b>	<b>80</b>	<b>\$</b>	<b>19,860</b>	<b>\$ 19,860</b>
<b>Task 6 - Project Management</b>							
6-1	Project Management	32		32	\$	9,920	\$ 9,920
	<b>Subtotal Task 6</b>	<b>32</b>		<b>32</b>	<b>\$</b>	<b>9,920</b>	<b>\$ 9,920</b>
<b>Total Hours and Fee</b>		<b>156</b>	<b>284</b>	<b>440</b>		<b>\$109,420.00</b>	<b>\$109,420.00</b>

## DUDEK 2024-2025 Schedule of Charges

### Engineering Services

Project Director.....	\$345.00/hr
Principal Engineer III.....	\$320.00/hr
Principal Engineer II.....	\$300.00/hr
Principal Engineer I.....	\$290.00/hr
Program Manager.....	\$280.00/hr
Senior Project Manager.....	\$275.00/hr
Project Manager.....	\$265.00/hr
Senior Engineer III.....	\$260.00/hr
Senior Engineer II.....	\$250.00/hr
Senior Engineer I.....	\$240.00/hr
Project Engineer IV/Technician IV.....	\$235.00/hr
Project Engineer III/Technician III.....	\$220.00/hr
Project Engineer II/Technician II.....	\$210.00/hr
Project Engineer I/Technician I.....	\$190.00/hr
Senior Designer II.....	\$210.00/hr
Senior Designer I.....	\$205.00/hr
Designer.....	\$200.00/hr
Assistant Designer.....	\$195.00/hr
CADD Operator III.....	\$190.00/hr
CADD Operator II.....	\$180.00/hr
CADD Operator I.....	\$165.00/hr
CADD Drafter.....	\$150.00/hr
CADD Technician.....	\$135.00/hr
Project Coordinator.....	\$165.00/hr
Engineering Assistant.....	\$135.00/hr

### Environmental Services

Senior Project Director.....	\$350.00/hr
Project Director.....	\$300.00/hr
Senior Specialist V.....	\$275.00/hr
Senior Specialist IV.....	\$265.00/hr
Senior Specialist III.....	\$250.00/hr
Senior Specialist II.....	\$235.00/hr
Senior Specialist I.....	\$220.00/hr
Specialist V.....	\$210.00/hr
Specialist IV.....	\$195.00/hr
Specialist III.....	\$185.00/hr
Specialist II.....	\$175.00/hr
Specialist I.....	\$165.00/hr
Analyst V.....	\$150.00/hr
Analyst IV.....	\$140.00/hr
Analyst III.....	\$130.00/hr
Analyst II.....	\$120.00/hr
Analyst I.....	\$110.00/hr
Technician III.....	\$95.00/hr
Technician II.....	\$85.00/hr
Technician I.....	\$75.00/hr

### Mapping and Surveying Services

Application Developer II.....	\$245.00/hr
Application Developer I.....	\$190.00/hr
GIS Analyst V.....	\$225.00/hr
GIS Analyst IV.....	\$200.00/hr
GIS Analyst III.....	\$165.00/hr
GIS Analyst II.....	\$145.00/hr
GIS Analyst I.....	\$130.00/hr
UAS Pilot.....	\$150.00/hr
Survey Lead.....	\$245.00/hr
Survey Manager.....	\$220.00/hr
Survey Crew Chief.....	\$175.00/hr
Survey Rod Person.....	\$125.00/hr
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**Invoices, Late Charges** – All fees will be billed to Client monthly and shall be due and payable upon receipt. Invoices are delinquent if not paid within 30 days from the date of the invoice. Client agrees to pay interest at a 10% annual rate for amounts unpaid greater than 30 days after the date of the invoice.

**Annual Increases** – These rates will increase in line with the CPI-U for the nearest urban area (per the Department of Labor Statistics) to where the work is being completed or by 5% annually, whichever is higher.

**Prevailing Wage** – The rates listed above assume prevailing wage rates do not apply. If this assumption is incorrect Dudek reserves the right to adjust its rates accordingly.