

Notice and Agenda of a Meeting of the Yucaipa Sustainable Groundwater Management Agency

Board Meeting

Wednesday, October 25, 2023 at 10:30 a.m.

(909) 797-2489 | 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

-
- 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. Discussion Items**
 - A. Update on Conditions in the Yucaipa Subbasin
 - B. Discussion of Transferability of Pumping Credits
 - C. Discussion of Private Well Owner Outreach
 - D. Discussion of Well Ordinance for Yucaipa Subbasin and Resolution to Adopt Well Ordinance
 - E. Authorize the Board President to sign the Letter of Support for a USBR Grant Application
 - F. Consideration of Dudek Proposal to Prepare the 2023 Annual Update to the GSP
 - G. Consideration of Dudek Proposal to Update the Yucaipa GSP Data Management System
 - V. Topics for Future Meetings**
 - VI. Comments by Board of Directors**
 - VII. Announcements - Future Meetings**
 - A. Wednesday, January 24, 2024 at 10:30 am - Board Meeting
 - B. Wednesday, April 24, 2024 at 10:30 am - Board Meeting

C. Wednesday, July 24, 2023 at 10:30 am - Board Meeting

VIII. Adjournment

Roll Call - Board of Directors

	Present	Primary Representative	Present	Alternative Representative
Purveyors				
South Mesa Water Company		David Armstrong		Brittany Lim
South Mountain Water Company		George Hanson		Rolland Moore
Western Heights Water Company		Mark Iverson		Tim Green
Yucaipa Valley Water District		Joseph Zoba		Jennifer Ares
Municipals				
City of Redlands		John Harris		Kevin Watson
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
* Quorum of the Board of Directors requires a total of five Purveyor, Municipal, Regional Members				
Stakeholders				
County of Riverside		Steve Horn		Jeff Johnson
County of San Bernardino		Bob Page		--
City of Calimesa		Will Kolbow		--

DATE

Private Well Owner Name
Private Well owner Address
Private Well Owner City, State

RE: Introduction to the Yucaipa Sustainable Groundwater Management Agency

Dear Private Well Owner:

The Yucaipa Sustainable Groundwater Management Agency (Yucaipa SGMA) is a consortium of local water purveyors, municipalities, and regional water districts that formed a Groundwater Sustainability Agency (GSA) in 2017 in accordance with the Sustainable Groundwater Management Act (SGMA). One of the purposes of the GSA was to prepare a Groundwater Sustainability Plan (GSP) for the Yucaipa Subbasin. The GSP details how the Yucaipa SGMA will oversee the sustainable management of the groundwater resource in the Yucaipa Subbasin.

- **What is Groundwater Sustainability?** Sustainable groundwater management is the use of groundwater that can be maintained without causing undesirable results, such as a chronic lowering of groundwater levels, significant loss of groundwater in storage, degradation of water quality, land subsidence, or a depletion of interconnected surface water.
- **Who is the Yucaipa Sustainable Groundwater Management Agency?** The Yucaipa SGMA includes South Mesa Water Company, South Mountain Water Company, Western Heights Water Company, Yucaipa Valley Water District, the City of Redlands, the City of Yucaipa, San Bernardino Valley Municipal Water District and San Gorgonio Pass Water Agency.
- **What is the Yucaipa Subbasin Groundwater Sustainability Plan?** The Yucaipa Subbasin GSP was adopted by the Yucaipa SGMA in 2022. The GSP establishes the framework for sustainably managing and preserving the beneficial uses of our local groundwater resource today and into the future.
- **Why Are We Reaching Out To You?** As someone who produces groundwater for beneficial use, you may serve an integral part in managing our groundwater resource sustainably. To do so, we are asking for information about your well or wells, how much water you produce, and what your water quality is like. This information will help the Yucaipa SGMA understand groundwater conditions in the basin, and to ensure that you and other groundwater users like you continue to benefit from this precious resource for years to come.

If you would like to participate in helping manage our groundwater resource, please fill out the questionnaire provided and mail back in the pre-stamped envelope, or fill out the questionnaire on our website: <https://yucaipasgma.org/well-questionnaire>.

Sincerely,

Yucaipa Groundwater Sustainability Agency
Mark Iverson, President

Here are some important links to help answer questions that you may have:

- Yucaipa Subbasin GSP: <https://yucaipasgma.org/final-gsp>
- Sustainable Groundwater Management Act: <https://water.ca.gov/programs/groundwater-management/sgma-groundwater-management>

Private Well Owner Questionnaire

Parcel APN: _____

Name (Owner): _____

Name (Occupant): _____

Physical Address: _____

Mailing Address: _____

Email Address: _____

Contact Phone Number (Owner): _____ Occupant: _____

Number of Persons Residing at this Location: _____ Years at this Residence: _____

What is(are) your source(s) of drinking water: Municipal Water Supply Well Water Water Delivery

If you have a water well, please answer the following questions:

1) Where is the well located on your property? _____

2) Is the well in use? Yes No

a. If yes, please check all that apply regarding the usage of your well water:

Drinking Cooking Landscaping Agriculture Other

b. If no, is the well usable, unusable, or properly abandoned?

Usable Unusable Abandoned Method _____

3) When was the well installed? _____

4) What is the depth of the well? _____ What is the diameter of the well casing? _____

5) What is the screen (i.e., perforated casing) interval of the well? _____

6) Is there a port at the top of the well casing to measure a depth-to-water? Yes No

7) Is there a sampling port, or spigot, from which to collect a water sample? Yes No

8) Is there a flowmeter on the well to measure the pumping rate? Yes No

9) Do you have any treatment on your well (e.g., water softener)? Please describe: _____

10) Any water quality concerns and/or well performance issues (please explain): _____

11) Does the Yucaipa Subbasin Groundwater Sustainability Agency have your permission to access your well to measure the depth-to-water, collect water quality samples, and measure the pumping rate?

Yes No

Signature _____

Date _____

ORDINANCE 2023-01

An Ordinance of the Yucaipa Groundwater Sustainability Agency Regulating the Construction, Reconstruction, Abandonment, and Destruction of Wells and Incorporating by Reference San Bernardino County Code Sections 33.0630 to 33.0645 and Riverside County Ordinance 682.4

1 Purpose

In 2014, the California State Legislature adopted the Sustainable Groundwater Management Act (Wat. Code § 10720 *et seq.*) (SGMA). In furtherance of the SGMA, the California Department of Water Resources (DWR) promulgated Subchapter 2 (commencing with Section 350) of Chapter 1.5 of Division 2 of Title 23 of the California Code of Regulations (GSP Regulations).

The SGMA empowered local agencies to form Groundwater Sustainability Agencies (GSAs) to develop and adopt Groundwater Sustainability Plans (GSPs). The goal of developing and implementing GSPs is to manage the use of local groundwater resources sustainably for long-term reliability and multiple economic, social, and environmental benefits for current and future users. Among the legislative purposes of the SGMA are for California's groundwater basins to be managed sustainably "through the actions of local government agencies to the maximum extent feasible," and to provide local public agencies acting as GSAs with the authority and technical and financial assistance necessary to achieve basin sustainability (Wat. Code § 10720.1).

The Yucaipa Groundwater Sustainability Agency (Yucaipa GSA) was formed in 2017 to act as the GSA for the Yucaipa Subbasin. The Yucaipa Subbasin lies within the Upper Santa Ana River Basin Hydrologic Region (DWR basin number 8-002.07) and underlies an area of approximately 25,300 acres under portions of the cities of Calimesa, Redlands, and Yucaipa, as well as unincorporated San Bernardino and Riverside Counties. The Yucaipa GSA jurisdictional boundary consists of the entire Yucaipa Subbasin within San Bernardino County and Riverside County (Dudek, 2022).

In January 2022, Yucaipa GSA adopted the Yucaipa Subbasin Groundwater Sustainability Plan (Yucaipa Subbasin GSP) pursuant to the SGMA and the GSP Regulations.

This Ordinance is adopted to provide minimum standards for the construction, reconstruction, abandonment, and destruction of all wells in the Yucaipa Subbasin in order to: (a) protect and sustainably manage the groundwater resources in the Yucaipa Subbasin, (b) ensure that the construction and use of groundwater supply wells and monitoring wells are consistent with the groundwater sustainable management criteria and monitoring protocols established in the Yucaipa Subbasin GSP, and (c) provide safe water for the beneficial use by all groundwater users in the Yucaipa Subbasin.

2 Authority

Pursuant to the SGMA, including without limitation Water Code section 10725.2, the Yucaipa GSA shall enforce the provisions of this Ordinance within its jurisdiction. This Ordinance shall be in addition to, and not a limitation on, the authority and well permitting requirements by the Riverside County Department of Environmental Health (RCDEH) and the San Bernardino County Department of Environmental Health Services (SBCDEHS) within their respective jurisdictions.

3 Implementation

The Yucaipa Subbasin is primarily in San Bernardino County, with portions of the North Bench, Calimesa and San Timoteo management areas in Riverside County. Both counties adopted ordinances that provided minimum standards for the construction, reconstruction, abandonment and destruction of wells to protect groundwater resources and to provide safe water for persons within their respective jurisdictions. The following summarizes the well ordinances adopted by San Bernardino County and Riverside County.

3.1 San Bernardino County

The Board of Supervisors for San Bernardino County adopted Ordinance 3105 in 1986, codified as Article 3 (commencing with Section 33.0630) of Chapter 6 of Division 3 of Title 3 of the San Bernardino County Code of Ordinances (SB Ordinance). The SB Ordinance establishes requirements for well permit applications, the conditions for approving or denying well permit applications, the licensing and registration of water well drillers and contractors, the selection of well sites, water well surface construction features, and inspections by County staff during certain aspects of well construction and destruction. The Department of Environmental Health Services of the County of San Bernardino (SBCDEHS) is responsible for enforcing the SB Ordinance. The SB Ordinance references the recommended well standards in DWR Bulletin 74-81 and adopts these standards as the well standards for San Bernardino County (DWR, 1981).

The Yucaipa GSA hereby adopts the well standards in the SB Ordinance, as may be amended, as the minimum standards for the construction, reconstruction, abandonment and destruction of wells in those portions of the Yucaipa Subbasin that are within San Bernardino County. The Yucaipa GSA also requires additional well construction details to assess the influence of the new well or altered existing well on conditions in the Yucaipa Subbasin, as set forth in Section 4 of this Ordinance.

3.2 Riverside County

In 1989, the Board of Supervisors of the County of Riverside adopted Riverside County Ordinance 682, amended in its entirety in 2021 by Ordinance 682.5, entitled "An Ordinance of the County of Riverside Regulating the Construction, Reconstruction, Abandonment and

Destruction of Wells and Incorporating by Reference Ordinance No. 725” (Riverside Ordinance). The Riverside Ordinance establishes requirements for well permit applications, the conditions for approving or denying well permit applications, the licensing and registration of water well drillers and contractors, the selection of well sites, construction standards, inspections by County staff during certain aspects of well construction and destruction, water quality standards, and minimum well production. The Riverside County Department of Environmental Health (RCDEH) is responsible for enforcing the provisions of the Riverside Ordinance. RCDEH also references the recommended well standards in DWR Bulletin 74-90, in addition to Bulletin 74-81, as the well standards for Riverside County (DWR, 1991).

The Yucaipa GSA hereby adopts the well standards in the Riverside Ordinance, as may be amended, as the minimum standards for the construction, reconstruction, abandonment and destruction of wells in those portions of the Yucaipa Subbasin that are within Riverside County. The Yucaipa GSA also requires additional well construction details to assess the influence of the new well or altered existing well on conditions in the Yucaipa Subbasin, as set forth in Section 4 of this Ordinance.

3.3 Drought Executive Order

In March 2022, Governor Newsom adopted Executive Order N-7-22, also known as the Drought Executive Order, specifying certain requirements to mitigate the effects of the drought on California’s water supply systems. Paragraph 9 of the Drought Executive Order requires local well permitting agencies to forward a well permit application for new wells or for alterations to existing wells in medium to high priority basins to the managing GSA to review and provide written verification that the proposed well will be consistent with the applicable GSP. Paragraph 9 of the Drought Executive Order also requires that the permitting agency assess whether the extraction of groundwater from the proposed well will interfere with the production and functioning of existing nearby wells and will cause land subsidence that will adversely impact or damage nearby infrastructure.

Executive Order N-3-23, adopted on February 13, 2023, withdraws Paragraph 9 of the Drought Executive Order and replaces it with similar text, with the following exception: “This Paragraph shall not apply to permits for wells (i) that will provide less than two acre-feet per year of groundwater for individual domestic users, (ii) that will exclusively provide groundwater to public water supply systems as defined in section 116275 of the Health and Safety Code, or (iii) that are replacing existing, currently permitted wells with new wells that will produce an equivalent quantity of water as the well being replaced when the existing well is being replaced because it has been acquired by eminent domain or acquired while under threat of condemnation.”

As required by Executive Order N-3-23, RCDEH and SBCDEH shall forward a complete well permit application to the Yucaipa GSA for the purpose of evaluating whether the proposed new well or alteration of an existing well will be consistent with the groundwater resource sustainable management criteria established in the Yucaipa Subbasin GSP (Dudek, 2022).

The following procedures will be implemented by the Yucaipa GSA.

1. The Yucaipa GSA will review the well permit application and provide RCDEH or SBCDEH a completed Yucaipa GSA Executive Order N-3-23 Compliance Form documenting whether the proposed use of the new well or altered existing well will be consistent with the Yucaipa Subbasin GSP (Appendices A and B).
2. The Compliance Form will reference this Ordinance and indicate that the additional well construction requirements listed herein (see Section 4) are included with the RCDEH or SBCDEH well permit applications.
3. No person or entity shall engage in any activity subject to the jurisdiction of this Ordinance without first obtaining a well permit from RCDEH or SBCDEH commensurate with their respective well permit application requirements and fees.
4. Any person who shall commence any work for which a permit is required by RCDEH or SBCDEH without having obtained a permit for emergency work when it was established in writing to the satisfaction of RCDEH or SBCDEH that such work was urgently necessary and that it was not practical to obtain a permit before commencement of the work shall provide well construction, development and testing details to the Yucaipa GSA to assess the use of the well in relation to sustainable groundwater management criteria established in the Yucaipa Subbasin GSP. Nothing in this provision shall relieve the applicant from adhering to the permit requirements stipulated by RCDEH or SBCDEH under all circumstances, including emergency work.
5. Copies of all well permits issued by RCDEH or SBCDEH shall be provided to the Yucaipa GSA within thirty (30) days of issuance by RCDEH or SBCDEH.

4 Information Required by the Yucaipa GSA

To assess the potential effect of the proposed well or alteration to an existing well on groundwater sustainability in the Yucaipa Subbasin, the Yucaipa GSA requests additional information be included with well permit applications submitted to SBCDEHS and RCDEH and post-construction details of the well.

4.1 Additional Information in Well Permit Applications

The following information shall be provided as an addendum to the “Application for Well Permit” submitted to SBCDEHS or the “Water Well Application” submitted to RCDEH.

1. The proposed use of the well (e.g., agriculture, municipal, community, private domestic, monitoring, etc.) and the anticipated long-term production rate in gallons per minute (GPM) and acre-feet per year (AFY).
2. The proposed well depth, including casing size and proposed interval(s) of perforations.
3. The make and model of a totalizing flow meter and location of its installation in the discharge line per specifications by the manufacturer.

4. The proposed specifications and depth of a dedicated sounding tube to facilitate the measurement of a water level in the well casing.
5. The type and location of a sampling port for purposes of collecting representative water quality samples from the discharge stream of the well.

4.2 Post-Construction Details of the New Well or Alteration to an Existing Well

The following information shall be provided to the Yucaipa GSA after the new well is constructed and, if applicable, equipped with a pump and water conveyance system, or if an existing well is altered.

1. Details on the drilling method(s) used to drill the borehole for the conductor casing (if applicable) and well casing.
2. The results of downhole geophysical logging of the borehole, if applicable.
3. Details on the construction of the well, including
 - a. Depth of borehole drilled.
 - b. If applicable, the type of material, wall thickness, and depth of conductor casing installed, and annular sealing material used per requirements in Bulletins 74-81 and 74-90.
 - c. Type of material, wall thickness and depth of well casing, including details on casing perforations (slot size and interval).
 - d. Depth interval and gradation of the filter pack.
 - e. If applicable, details of the placement of a transition zone above the filter pack.
 - f. The type of material and method of placement of the annular seal.
 - g. A schematic of the surface completion for the well, identifying, if applicable, the sounding port to measure depths-to-water, sampling port for collecting water quality samples, and access port for camera tube.
4. Survey results by a licensed surveyor indicating the locations, referenced to the North American Datum of 1983 (NAD83), and elevations, referenced to the North American Vertical Datum of 1988 (NAVD88), for the following points:
 - a. Land surface
 - b. Reference point from which depths-to-water will be measured in the well (e.g., top of sounding tube). The reference point shall be clearly and permanently marked.

- c. Top of well casing (this point shall be clearly and permanently marked).
6. For alterations to existing wells, please provide the details for the alterations (e.g., zone of perforated casing that was sealed off, backfill casing to a certain depth, etc.) made to the existing well and the resulting improvements (e.g, increased production and/or improvement in water quality).

5 References

Department of Water Resources (DWR). 1981. Water Well Standards: State of California. State of California The Resources Agency. Bulletin 74-81. December.

Department of Water Resources (DWR). 1991. California Well Standards. California Department of Water Resources. Bulletin 74-90 (Supplement to Bulletin 74-81). June.

Dudek. 2022. *Final Groundwater Sustainability Plan for the Yucaipa Groundwater Subbasin*. Prepared by Dudek, 605 Third Street, Encinitas, California. Prepared for Yucaipa Groundwater Sustainability Agency, c/o San Bernardino Valley Municipal Water District. January 27, 2022.

DRAFT

Appendix A

Executive Order N-3-23 Compliance Form for Riverside County Department of Environmental Health

DRAFT

YUCAIPA GROUNDWATER SUSTAINABILITY AGENCY (“GSA”) COMPLIANCE WITH GOVERNOR’S EXECUTIVE ORDER N-3-23

This Form must be completed, signed, and submitted by the Property Owner with each well permit application for a new well or alteration of existing well in the Yucaipa Subbasin of the Upper Santa Ana Valley Groundwater Basin. The Yucaipa Subbasin (8-002.07) has been classified as a high-priority subbasin by the Department of Water Resources (DWR) and is subject to the Sustainable Groundwater Management Act (SGMA) and the Governor’s Executive Order N-3-23. A permit for the construction of a new well or alterations to an existing well cannot be approved by the Riverside County Department of Environmental Health (RCDEH) without this Form.

PROPERTY OWNER INFORMATION	
Name:	E-mail:
Mailing Address:	
City:	State:
Zip Code:	Phone:

TYPE OF WORK (CHECK ONE)	
<input type="checkbox"/> New Well Construction	<input type="checkbox"/> Alteration of Existing Well

WELL SITE INFORMATION		
Site Address:		
City:	APN:	
Township:	Range:	Section:
Well Type (domestic, agricultural, industrial, commercial, monitoring, etc.):		
Wellhead Coordinates (Latitude/Longitude):		Estimated Annual Production (acre-feet):

WELL DRILLER INFORMATION	
Name:	
Phone:	E-mail:
Riv. Co. Registration #:	C-57 License #:
Estimated Project Start Date:	Estimated Project End Date:

PROPERTY OWNER ACKNOWLEDGEMENT The Property Owner must read the statement and initial each box to confirm acknowledgement and agreement with the statements	
	I acknowledge that the SGMA requires groundwater in the Yucaipa Subbasin to be managed by one or more GSAs and that the Yucaipa GSA has groundwater management authority in the Yucaipa Subbasin.
	I acknowledge that the Yucaipa GSA has the authority under the SGMA to limit groundwater extractions within its jurisdiction for the purposes of complying with the Yucaipa Subbasin Groundwater Sustainability Plan (GSP), including extractions from any well permitted pursuant to this Form.
	I acknowledge that a well permit issued by RCDEH does not guarantee the extraction of any specific amount of water now or in the future.
	I acknowledge that the management of the Yucaipa Subbasin includes minimum thresholds as outlined in the GSP and agree that my groundwater extraction will be consistent with these requirements. The Plan is available at: https://yucaipasgma.org/final-gsp .
	I acknowledge that the Yucaipa GSA cannot guarantee the maintenance of any defined water level or level of water quality in the Yucaipa Subbasin.
	I acknowledge that the Yucaipa GSA is not responsible for or otherwise liable for any costs, investments, or payments related to any groundwater well permitted pursuant to this Form including pumping assessments or fees, extraction limits, costs related to well failure, well deepening, increased maintenance, replacement, or operational costs.
	I agree to furnish a copy of the drilling contractor's DWR well completion report to the Yucaipa GSA 60 days after completion of work.
	I acknowledge that I may not operate and shall not operate the well in a manner that is likely to interfere with the production and functioning of existing nearby wells and may not operate and shall not operate the well in a manner that is likely to cause subsidence that would adversely impact or damage nearby infrastructure.
	I understand that the Yucaipa Subbasin may be replenished to avoid overdraft and ensure sustainability and agree to pay or made to be paid any applicable replenishment or groundwater management assessments or fees levied under the authorities of the Yucaipa GSA.
	I agree to hold the Yucaipa GSA harmless and indemnify the Yucaipa GSA for any liability, including attorney fees, costs, and penalties stemming from or related to RCDEH issuing a well permit pursuant to this Form.

By signing below, the Property Owner certifies that the acknowledgments and agreements made in this Form are understood and accepted.

Printed Name: _____

Signature: _____

Date: _____

FOR GSA USE ONLY

Based on the information contained on this Form, the well permit application made available by RCDEH, and the acknowledgements and agreements accepted by the Property Owner above, and any other relevant information known at the time only, the Yucaipa GSA makes the following determination (check one):

<input type="checkbox"/>	The well permit application is not inconsistent with the sustainable groundwater management program established in the Yucaipa Subbasin Groundwater Sustainability Plan adopted by the Yucaipa GSA to achieve the sustainability goal for the Yucaipa Subbasin.
<input type="checkbox"/>	<p>The drilling of the well identified in this Form and in the associated well permit application is not consistent with the sustainable groundwater management program established in the Yucaipa Subbasin Groundwater Sustainability Plan adopted by the Yucaipa GSA to achieve the sustainability goal for the Yucaipa Subbasin for the following reasons:</p> <p style="text-align: center; margin-top: 20px;">[Additional text or information may be included as Attachment A to this Form]</p>

The above determination has been made on behalf of the Yucaipa GSA by the undersigned. This determination is valid for 12 months after the signed date below or until the expiration of the Governor’s Executive Order N-3-23, whichever comes first.

Printed Name:

Title:

GSA:

Signature:

Date:



Appendix B

Executive Order N-3-23 Compliance Form for San Bernardino County Department of Environmental Health Services

DRAFT

YUCAIPA GROUNDWATER SUSTAINABILITY AGENCY (“GSA”) COMPLIANCE WITH GOVERNOR’S EXECUTIVE ORDER N-3-23

This Form must be completed, signed, and submitted by the Property Owner with each well permit application for a new well or alteration of existing well in the Yucaipa Subbasin of the Upper Santa Ana Valley Groundwater Basin. The Yucaipa Subbasin (8-002.07) has been classified as a high-priority subbasin by the Department of Water Resources (DWR) and is subject to the Sustainable Groundwater Management Act (SGMA) and the Governor’s Executive Order N-3-23. A permit for the construction of a new well or alterations to an existing well cannot be approved by the San Bernardino County Department of Environmental Health Services (SBCDEHS) without this Form.

PROPERTY OWNER INFORMATION	
Name:	E-mail:
Mailing Address:	
City:	State:
Zip Code:	Phone:

TYPE OF WORK (CHECK ONE)	
<input type="checkbox"/> New Well Construction	<input type="checkbox"/> Alteration of Existing Well

WELL SITE INFORMATION		
Site Address:		
City:	APN:	
Township:	Range:	Section:
Well Type (domestic, agricultural, industrial, commercial, monitoring, etc.):		
Wellhead Coordinates (Latitude/Longitude):		Estimated Annual Production (acre-feet):

WELL DRILLER INFORMATION	
Name:	
Phone:	E-mail:
Riv. Co. Registration #:	C-57 License #:
Estimated Project Start Date:	Estimated Project End Date:

PROPERTY OWNER ACKNOWLEDGEMENT The Property Owner must read the statement and initial each box to confirm acknowledgement and agreement with the statements	
	I acknowledge that the SGMA requires groundwater in the Yucaipa Subbasin to be managed by one or more GSAs and that the Yucaipa GSA has groundwater management authority in the Yucaipa Subbasin.
	I acknowledge that the Yucaipa GSA has the authority under the SGMA to limit groundwater extractions within its jurisdiction for the purposes of complying with the Yucaipa Subbasin Groundwater Sustainability Plan (GSP), including extractions from any well permitted pursuant to this Form.
	I acknowledge that a well permit issued by SBCDEHS does not guarantee the extraction of any specific amount of water now or in the future.
	I acknowledge that the management of the Yucaipa Subbasin includes minimum thresholds as outlined in the GSP and agree that my groundwater extraction will be consistent with these requirements. The Plan is available at: https://yucaipasgma.org/final-gsp .
	I acknowledge that the Yucaipa GSA cannot guarantee the maintenance of any defined water level or level of water quality in the Yucaipa Subbasin.
	I acknowledge that the Yucaipa GSA is not responsible for or otherwise liable for any costs, investments, or payments related to any groundwater well permitted pursuant to this Form including pumping assessments or fees, extraction limits, costs related to well failure, well deepening, increased maintenance, replacement, or operational costs.
	I agree to furnish a copy of the drilling contractor's DWR well completion report to the Yucaipa GSA 60 days after completion of work.
	I acknowledge that I may not operate and shall not operate the well in a manner that is likely to interfere with the production and functioning of existing nearby wells and may not operate and shall not operate the well in a manner that is likely to cause subsidence that would adversely impact or damage nearby infrastructure.
	I understand that the Yucaipa Subbasin may be replenished to avoid overdraft and ensure sustainability and agree to pay or made to be paid any applicable replenishment or groundwater management assessments or fees levied under the authorities of the Yucaipa GSA.
	I agree to hold the Yucaipa GSA harmless and indemnify the Yucaipa GSA for any liability, including attorney fees, costs, and penalties stemming from or related to SBCDEHS issuing a well permit pursuant to this Form.

By signing below, the Property Owner certifies that the acknowledgments and agreements made in this Form are understood and accepted.

Printed Name: _____

Signature: _____

Date: _____

FOR GSA USE ONLY

Based on the information contained on this Form, the well permit application made available by SBCDEHS, and the acknowledgements and agreements accepted by the Property Owner above, and any other relevant information known at the time only, the Yucaipa GSA makes the following determination (check one):

<input type="checkbox"/>	The well permit application is not inconsistent with the sustainable groundwater management program established in the Yucaipa Subbasin Groundwater Sustainability Plan adopted by the Yucaipa GSA to achieve the sustainability goal for the Yucaipa Subbasin.
<input type="checkbox"/>	<p>The drilling of the well identified in this Form and in the associated well permit application is not consistent with the sustainable groundwater management program established in the Yucaipa Subbasin Groundwater Sustainability Plan adopted by the Yucaipa GSA to achieve the sustainability goal for the Yucaipa Subbasin for the following reasons:</p> <p style="text-align: center; margin-top: 20px;">[Additional text or information may be included as Attachment A to this Form]</p>

The above determination has been made on behalf of the Yucaipa GSA by the undersigned. This determination is valid for 12 months after the signed date below or until the expiration of the Governor’s Executive Order N-3-23, whichever comes first.

Printed Name:

Title:

GSA:

Signature:

Date:

RESOLUTION NO. _____

RESOLUTION OF THE YUCAIPA GROUNDWATER SUSTAINABILITY AGENCY TO ADOPT A WELL ORDINANCE FOR THE YUCAIPA SUBBASIN (BASIN NO. 8-002.07)

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, the SGMA went into effect on January 1, 2015; and,

WHEREAS, various clarifying amendments to the 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, the legislative intent and effect of the 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 Water 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 the SGMA; and,

WHEREAS, the 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, the 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 Yucaipa Subbasin ("SUBBASIN") is identified by the California Department of Water Resources Bulletin 118 as Sub-basin No. 8-002.07 of the Upper Santa Ana Valley Groundwater Basin, and is designated by the California Department of Water Resources ("DWR") as a high-priority basin; and,

WHEREAS, California Water Code Section 10720.7 requires the SUBBASIN, as a high-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") by January 31, 2022; 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 "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 ("SBVMWD") and the San Gorgonio 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, each of the above-described entities is individually referred to as a "PARTY" and are collectively referred to as the "PARTIES". SOUTH MESA, SOUTH MOUNTAIN and WHWC are collectively referred to as the "MUTUALS"; and, the PARTIES other than the MUTUALS are collectively referred to as the "LOCAL AGENCIES," and,

WHEREAS, The County of Riverside ("RIVERSIDE") and the County of San Bernardino ("SAN BERNARDINO"), collectively referred to as the "COUNTIES," are stakeholders but not PARTIES in the YUCAIPA GSA, and,

WHEREAS, CALIMESA submitted a written Notice of Withdrawal dated November 19, 2018 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, the LOCAL AGENCIES have water supply, water management, and/or land use responsibilities for their respective jurisdictional areas overlying the SUBBASIN and are local agencies as defined by the SGMA in California Water Code Section 10721(n), and thus each is authorized by the SGMA to 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 that cover the entirety of the SUBBASIN, with no gaps in coverage; and,

WHEREAS, the WATER PURVEYORS, including the MUTUALS, produce groundwater and provide water service within the SUBBASIN; 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 SUBBASIN; and,

WHEREAS, the PARTIES have worked with local stakeholders and interested parties in the SUBBASIN that are not PARTIES in YUCAIPA GSA to carry out the policy, purposes, and requirements of the SGMA in the SUBBASIN; and,

WHEREAS, the YUCAIPA GSA has developed a GSP for the SUBBASIN as required by the SGMA; and,

WHEREAS, the GSP for the SUBBASIN contains all the elements required by Water Code sections 10727.2 and 10727.4; and,

WHEREAS, the YUCAIPA GSA adopted the GSP for the SUBBASIN at a public hearing held on January 26, 2022; and,

WHEREAS, the YUCAIPA GSA, pursuant to its authority under the SGMA, has developed an ordinance to provide minimum standards for the construction, reconstruction, abandonment, and destruction of all wells in the SUBBASIN in order to: (a) protect and sustainably manage the groundwater resources in the SUBBASIN, (b) ensure that the construction and use of groundwater supply wells and monitoring wells are consistent with the groundwater sustainable management criteria and monitoring protocols established in the GSP for the SUBBASIN, and (c) provide safe water for the beneficial use by all groundwater users in the SUBBASIN; and,

WHEREAS, In 1986, the Board of Supervisors for San Bernardino County adopted Ordinance 3105, codified as Article 3 (commencing with Section 33.0630) of Chapter 6 of Division 3 of Title 3 of the San Bernardino County Code of Ordinances (SB Ordinance), which establishes requirements for well permit applications, the conditions for approving or denying well permit applications, the licensing and registration of water well drillers and contractors, the selection of well sites, water well surface construction features, inspections by County staff during certain aspects of well construction and destruction, and references the recommended well standards in DWR Bulletin 74-81 and adopts these standards as the well standards for San Bernardino County; and,

WHEREAS, In 1989, the Board of Supervisors of the County of Riverside adopted Riverside County Ordinance 682, amended in its entirety in 2021 by Ordinance 682.5, entitled "An Ordinance of the County of Riverside Regulating the Construction, Reconstruction, Abandonment and Destruction of Wells and Incorporating by Reference Ordinance No. 725" (Riverside Ordinance); and,

WHEREAS, the YUCAIPA GSA has incorporated by reference the SB Ordinance and the Riverside Ordinance as minimum standards for the construction, reconstruction, abandonment, and destruction of wells in those portions of the SUBBASIN that are within

San Bernardino County and Riverside County, respectively; and,

WHEREAS, the YUCAIPA GSA ordinance requires additional information be included in well permit applications submitted to San Bernardino County and Riverside County, the installation of a sounding tube to measure depths-to-water in the well, a totalizing flow meter to measure and record the rate and total volume of groundwater produced, and a sampling port to collect groundwater quality samples;

NOW, THEREFORE, BE IT RESOLVED:

1. The above Recitals are true and correct.
2. The Yucaipa GSA adopts An Ordinance of the Yucaipa Groundwater Sustainability Agency Regulating the Construction, Reconstruction, Abandonment, and Destruction of Wells and Incorporating by Reference San Bernardino County Code Sections 33.0630 to 33.0645 and Riverside County Ordinance 682.4.

PASSED AND ADOPTED on this ___ day of _____, 202_, by the following vote, to-wit:

DRAFT

October 25, 2023

Bureau of Reclamation
1849 C Street NW
Washington DC 20240-0001

Re: Support for San Bernardino Valley's WaterSMART Drought Response Program: Drought Resiliency Projects Grant Application

Dear WaterSMART Program Team,

The Yucaipa Sustainable Groundwater Management Agency (Yucaipa SGMA) strongly supports San Bernardino Valley's application to the U.S. Bureau of Reclamation's WaterSMART Drought Response Program: Drought Resiliency Projects for Fiscal Year 2024 (R24AS00007) to implement the County Line Recharge Basin and Turnout Project.

This is a joint Project between San Gorgonio Pass Water Agency, South Mesa Water Company, and San Bernardino Valley Municipal Water District to design and construct infrastructure to convey imported water from the California Department of Water Resources (DWR) State Water Project (SWP) to a proposed recharge basin in the City of Calimesa, California. Construction of the Project would include a SWP turnout, a 5-acre recharge basin, a repurposed pipeline, valves, and other appurtenances to recharge up to 1,470 acre-feet-per-year of SWP water into the historically over-drafted Calimesa Management Area (CMA) of the Yucaipa Groundwater Basin.

Extreme drought conditions over the last decade have severely impacted groundwater levels in the CMA of the Yucaipa Groundwater Basin. Due to low rainfall amounts in the arid area and reduced natural recharge, the region lacks a source of water supply to replenish the groundwater basin. San Bernardino Valley and San Gorgonio Pass Water Agency are SWP contractors that overlie the CMA and are entitled to SWP supplies when they are available from DWR. With this Project, San Bernardino Valley and San Gorgonio Pass Water Agency will have the ability to recharge SWP water into the CMA when SWP supplies are available.

The proposed infrastructure will deliver SWP water to improve the overall health in the CMA of the Yucaipa Groundwater Basin. This Project supports the sustainability efforts of Yucaipa SGMA and will significantly improve water supply reliability in the region and enhance regional drought resiliency by augmenting local groundwater sources and recycled water with imported water supplies. Stored groundwater can then be extracted when imported water supplies are not available or during drought emergencies. This Project will create water management flexibility during both times of abundance and drought. Constructing infrastructure to help supplement cyclical natural water supplies in the CMA will allow for continued and sustainable reliance on local groundwater through varying hydrologic conditions.

The WaterSMART Drought Response Program supports a proactive approach to mitigate drought conditions by providing financial assistance to water managers for implementing projects that will build long-term resilience to drought (Drought Resiliency Projects). The proposed Project accomplishes the goals of the funding opportunity by

enhancing water supply reliability during times of drought for the community of Calimesa and parts of the City of Yucaipa.

Yucaipa SGMA is proud to support San Bernardino Valley's WaterSMART grant application for the County Line Recharge Basin and Turnout Project. Thank you for considering San Bernardino Valley's application.

Sincerely,

Mark Iverson
President

October 11, 2022

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

Subject: Proposal to Prepare the 2023 Annual Update Report for the Yucaipa Subbasin Groundwater Sustainability Plan

Dear Yucaipa GSA Member Agencies:

Dudek is pleased to present this scope of work and fee to the Yucaipa Groundwater Sustainability Agency (Yucaipa GSA) to prepare the third annual update report for the Yucaipa Subbasin following the adoption of the Groundwater Sustainability Plan (GSP). Per Subarticle 7 of Article 5 of the California Code of Regulations Division 2 Chapter 1.5 (23 CCR §356.2), each Groundwater Sustainability Agency is required to submit an annual report by April 1 of each year following the adoption of a GSP. In summary, the third annual report for the Yucaipa Subbasin will include information collected during the 2022-2023 water year, or 2023 WY, which extended from October 1, 2022 to September 30, 2023. This information will include groundwater elevation, groundwater production, groundwater quality, an accounting of surface water supply, and an estimate of the annual change in storage in the 2023 WY.

The 2023 WY data will be compiled in Microsoft Excel templates provided by the Department of Water Resources to report groundwater extractions by water source type (e.g., urban, agricultural, managed recharge, native vegetation) and surface water sources. The Excel templates will be completed and uploaded, along with an annual report elements guide, to DWR's SGMA Portal website per requirements under SGMA.

The annual report will include a description of the progress in implementing the GSP, including any management actions and/or projects that were implemented to achieve or maintain sustainability. The volume of groundwater pumped per user will be compared to their respective sustainable yield pumping allocations to determine if pumping credits were earned or used, and whether supplemental water was used to directly recharge the aquifer. The accounting of pumping credits and supplemental water that directly recharges the aquifer will help determine if a management action is required.

The following scope of work and fee details the tasks Dudek will undertake to prepare and submit to DWR an annual report that is compliant with the requirements under the Sustainable Groundwater Management Act (SGMA).

1 Scope of Work

Task 1 Groundwater Evaluations

Task 1.1 Update Groundwater Elevation Hydrographs

Static groundwater elevation data measured at the 76 wells identified in the monitoring network in the GSP will be updated for the 2023 WY. The observed groundwater elevation data collected at the representative monitoring points (RMPs) will be compared to their respective measurable objectives and minimum thresholds to evaluate whether the Subbasin is managed sustainably and if any management actions need to be implemented. In addition to the static groundwater elevation, the status of the well at the time of measurement will be reported and any issues regarding access to the well, modifications made to the well that affect the method for measuring the groundwater elevation, will be included in the report. This task will also identify the seasonal high and low groundwater elevations observed in the 2023 WY.

Fee for Task 1.1 \$3,400.00

Task 1.2 Update Water Year-Types

The monthly precipitation data collected at the 17 San Bernardino County Flood Control District (SBCFCD) climatic stations located throughout the Subbasin, plus monthly precipitation data collected at three National Oceanic and Atmospheric Administration (NOAA) climatic stations will be compiled and analyzed to characterize the water year-types for the 2023 WY. Any new climatic stations installed in the Subbasin since the adoption of the GSP will be assessed and included in the climate network.

A figure identifying the water year-types beginning in 1953 (Figure 2-3 in Chapter 2 of the GSP) will be updated to include the 2023 WY. Additionally, the monthly precipitation data will be used to update the cumulative departure from mean monthly precipitation chart (Figure 2-2 in Chapter 2 of the GSP) to update the precipitation trends observed since the early 1960s. These two updated figures will be included in the annual report.

Fee for Task 1.2 \$1,180.00

Task 1.3 Plan View Maps of Seasonal Highs and Lows

Plan view maps depicting static groundwater elevations and the hydraulic gradient across the Yucaipa Subbasin will be prepared for the seasonal highs and lows observed in the 2023 WY. The figures will be prepared similarly to Figures 2-29 and 2-30 in Chapter 2 of the GSP that depicted the seasonal low and high, respectively, for the 2018 WY. Each plan view map will include the measured groundwater elevation at the 76 wells in the monitoring network (if available) and indicate the direction of groundwater flow.

Fee for Task 1.3 \$3,920.00

Task 1.4 Update Groundwater Production Database

Groundwater production data will be collected and compiled to report the annual volume of groundwater extracted by the active water supply wells in the Subbasin, and wells located outside the Subbasin that pump water into the Subbasin. The annual groundwater production data will be included in the groundwater elevation hydrographs, where applicable, to demonstrate the influence of pumping on groundwater elevations. The annual production will be compared to the sustainable yield pumping allocations assigned to each water purveyor. This analysis will determine if a water purveyor earned pumping credits or will need to implement a management action to offset the pumping exceedance (e.g., purchase SWP water to artificially recharge the aquifer, reduce pumping, implement water conservation policies, supplement groundwater with recycled water, etc.). A summary of this analysis and accounting for each water purveyor will be included in tabular form in the annual report.

Fee for Task 1.4 \$1,180.00

Task 1.5 Update Groundwater Quality Database

This task includes updating the GSP groundwater quality database with data collected for the Maximum Benefits Monitoring Program, and will include a review of groundwater monitoring reports uploaded to the Santa Ana River Regional Water Quality Control Board's (Water Board) GeoTracker website for the sites identified in the GSP as active remediation sites in the Subbasin. Groundwater quality hydrographs presented in the GSP will be updated with data collected from the 2023 WY. These hydrographs will include updated data for concentrations of nitrate (as nitrogen) and total dissolved solids.

Fee for Task 1.5 \$1,180.00

Task 1 Deliverables

- Groundwater Elevation hydrographs for the 76 wells in the GSP monitoring network
- Groundwater Quality hydrographs showing concentrations of nitrate (as nitrogen) and TDS in groundwater
- Groundwater production table summarizing the volume of groundwater produced for each groundwater user
- Updated figure showing the historical water year-types beginning with the 1953 water year (Figure 2-3 in Chapter 2 of the GSP)
- Plan view maps showing groundwater elevation contours in the Yucaipa Subbasin for the following seasonal highs and lows:
 - Spring 2023
 - Fall 2023

Total Fee for Task 1 **\$10,860.00**

Task 2 Surface Water Supply

Task 2.1 Update State Water Project Water Importation

An accounting of the volume of State Water Project (SWP) water imported into the Subbasin will be included in the annual report. The volume of SWP water directed to Yucaipa Valley Water District's Yucaipa Valley Water Filtration Facility (YVWFF) and SWP water that was discharged to the Wilson Creek and Oak Glen Creek spreading basins will be reported with an update to Figure 2-21 of Chapter 2 of the GSP.

Fee for Task 2.1 \$1,180.00

Task 2.2 Update Surface Water Diversions

This task will include an update to the volume of surface water diverted in the 2023 WY for consumptive use in the Subbasin.

Fee for Task 2.2 \$295.00

***Total Fee for Task 2* \$1,475.00**

Task 3 Change in Groundwater in Storage

Task 3.1 Update YIHM

The annual change in groundwater in storage for the 2023 WY will be conducted using the YIHM. The YIHM will be updated with actual pumping information, climatic data (precipitation and temperature) and surface water discharged to spreading basins (and potentially storm water flows captured by storm water basins). An annual water budget analysis will be completed for the 2023 WY by identifying the components of inflows and outflows in the Subbasin and the four management areas. This task will also serve as an exercise in validating the YIHM by comparing simulated results to observed conditions since 2018. Validation is a process of evaluating the uncertainty of a numerical model and helps define the error in the results.

Fee for Task 3.1 \$5,530.00

Task 3.2 Water Budget Analyses and Figure Updates

The estimated annual changes in storage by the YIHM will be used to update the following figures depicting the annual water budget analyses and changes in storage: Figure 2-62 (Yucaipa Subbasin), Figure 2-66 (North Bench Management Area), Figure 2-69 (Calimesa Management Area), Figure 2-71 (Western Heights Management Area), and Figure 2-73 (San Timoteo Management Area) in Chapter 2 of the GSP.

Fee for Task 3.2 \$4,050.00

***Total Fee for Task 3* \$9,580.00**

Task 4 Annual Report

Task 4.1 Prepare Draft Annual Report

Dudek will prepare a draft of the annual report for the Yucaipa GSA to review and provide comments. The draft report will include all required reporting sections listed in 23 CCR §356.2, including tables, figures, and appendices to support the findings in the annual report. The annual report will conclude with an assessment of the implementation of the GSP, addressing data gaps identified in the GSP, and a description summarizing whether any management actions were implemented and why. The report will also include an assessment of the monitoring network and will identify any modifications or issues that affect the collection of data and evaluation of conditions in the Subbasin.

Dudek anticipates providing a draft copy of the annual report to the Yucaipa GSA to review on March 6, 2024. Dudek anticipates two weeks for the Yucaipa GSA to review and provide comments; and two weeks for Dudek to address all comments and revise the draft annual report accordingly. The scheduled date to submit the 2023 annual report to DWR is April 1, 2024.

DWR has prepared Microsoft Excel data upload templates for GSA's to report basin wide groundwater extraction, surface water supplies, and total water use data. Dudek will utilize these templates to ensure that the data is reported consistently per the requirements by DWR and uploaded successfully to the Monitoring Network Module on their SGMA Portal (<https://sgma.water.ca.gov/portal/>).

There is no formal requirement per SGMA for the Yucaipa GSA to release a draft of an annual report for public review. Therefore, this task does not include the submittal of a draft of the annual report for public review.

Fee for Task 4.1 \$12,120.00

Task 4.2 Prepare Final Annual Report

The draft annual report will be revised per comments and suggested edits received by the Yucaipa GSA. A final version of the annual report will be prepared for submittal to DWR by April 1, 2023.

Fee for Task 4.2 \$590.00

Task 4 Deliverables

- Draft Annual Report to the Yucaipa GSA
- Final Annual Report for Submittal to DWR

Total Fee for Task 4 \$12,710.00

Schedule

The anticipated schedule for preparing the first annual report for the Yucaipa Subbasin follows:

- **December 2023** - Anticipated Start Date per authorization by the Yucaipa GSA to proceed and executed contract with SBVMWD
- **March 8, 2024** - Draft Annual Report to Yucaipa GSA to review and provide comments
- **March 11 – 22, 2024** – Review period for Yucaipa GSA
- **March 25 – 29, 2024** – Dudek to revise draft annual report per Yucaipa GSA comments
- **April 1, 2024** – Submit Final Annual Report to DWR with Excel Data templates

Fee Summary

The fee presented in this proposal will be charged on a time and materials basis in accordance with Dudek’s 2023 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..... \$34,625.00

Dudek appreciates the opportunity to present this proposal to prepare the second annual report for the Yucaipa Subbasin following the adoption of the GSP. 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 stuart@dudek.com.

Sincerely,



Steven Stuart, PE C79764
Principal Hydrogeologist, Project Manager

Att.: *Table 1. Fee for 2023 Yucaipa GSP Annual Report*
Dudek 2023 Standard Schedule of Charges
cc: *Adekunle Ojo, San Bernardino Valley Municipal Water District*
Michael Plinski, San Bernardino Valley Municipal Water District

Attachment A

Table 1. Fee for the 2023 Yucaipa GSP Annual Report Dudek 2023 Standard Schedule of Charges

TABLE I. FEE FOR 2023 YUCAIPA SUBBASIN GSP ANNUAL UPDATE REPORT
DUDEK FEE SCHEDULE

		<i>Team Member:</i>	Steven Stuart, PE	Trevor Jones, PhD	Sharlynn Pimentel	TOTAL HOURS	LABOR COST	TOTAL
		<i>Project Team Role:</i>	Project Manager	Numerical Model	Hydrogeologist			
		<i>Labor Class:</i>	Principal Hydrogeologist II	Sr. Hydrogeologist IV	Hydrogeologist III			
		<i>Billable Rate :</i>	\$295	\$250	\$185			
Task 1 - Groundwater Evaluations								
1-1	Update Groundwater Elevations	4		12	16	\$ 3,400	\$ 3,400	
1-2	Update Water Year-Types	4			4	\$ 1,180	\$ 1,180	
1-3	Plan View Maps of Seasonal Highs and Lows	2		18	20	\$ 3,920	\$ 3,920	
1-4	Update Groundwater Production	4			4	\$ 1,180	\$ 1,180	
1-5	Update Groundwater Quality	4			4	\$ 1,180	\$ 1,180	
	Subtotal Task 1	18		30	48	\$ 10,860	\$ 10,860	
Task 2 - Surface Water Supplies								
2-1	SWP Water Importation	4			4	\$ 1,180	\$ 1,180	
2-2	Surface Water Diversions	1			1	\$ 295	\$ 295	
	Subtotal Task 2	5			5	\$ 1,475	\$ 1,475	
Task 3 - Change in Groundwater in Storage								
3-1	Update YIHM	2	2	24	28	\$ 5,530	\$ 5,530	
3-2	Water Budget Analyses and Figure Updates	2	2	16	20	\$ 4,050	\$ 4,050	
	Subtotal Task 3	4	4	40	48	\$ 9,580	\$ 9,580	
Task 4 - Annual Report								
4-1	Draft Report and Address Comments	16		40	56	\$ 12,120	\$ 12,120	
4-2	Final Report	2			2	\$ 590	\$ 590	
	Subtotal Task 4	18		40	58	\$ 12,710	\$ 12,710	
Total Hours and Fee		45	4	110	159	\$34,625.00	\$34,625.00	

DUDEK 2023 Standard Schedule of Charges

Engineering Services

Project Director	\$325.00/hr
Principal Engineer III	\$290.00/hr
Principal Engineer II	\$280.00/hr
Principal Engineer I	\$270.00/hr
Program Manager	\$260.00/hr
Senior Project Manager	\$260.00/hr
Project Manager	\$250.00/hr
Senior Engineer III	\$245.00/hr
Senior Engineer II	\$235.00/hr
Senior Engineer I	\$225.00/hr
Project Engineer IV/Technician IV	\$215.00/hr
Project Engineer III/Technician III	\$205.00/hr
Project Engineer II/Technician II	\$195.00/hr
Project Engineer I/Technician I	\$175.00/hr
Senior Designer II	\$195.00/hr
Senior Designer I	\$190.00/hr
Designer	\$180.00/hr
Assistant Designer	\$175.00/hr
CADD Operator III	\$170.00/hr
CADD Operator II	\$160.00/hr
CADD Operator I	\$145.00/hr
CADD Drafter	\$130.00/hr
CADD Technician	\$120.00/hr
Project Coordinator	\$150.00/hr
Engineering Assistant	\$125.00/hr

Environmental Services

Senior Project Director	\$300.00/hr
Project Director	\$265.00/hr
Senior Specialist V	\$250.00/hr
Senior Specialist IV	\$235.00/hr
Senior Specialist III	\$225.00/hr
Senior Specialist II	\$210.00/hr
Senior Specialist I	\$200.00/hr
Specialist V	\$185.00/hr
Specialist IV	\$175.00/hr
Specialist III	\$165.00/hr
Specialist II	\$155.00/hr
Specialist I	\$145.00/hr
Analyst V	\$135.00/hr
Analyst IV	\$125.00/hr
Analyst III	\$115.00/hr
Analyst II	\$105.00/hr
Analyst I	\$95.00/hr
Technician III	\$85.00/hr
Technician II	\$75.00/hr
Technician I	\$65.00/hr

Mapping and Surveying Services

Application Developer II	\$195.00/hr
Application Developer I	\$155.00/hr
GIS Analyst V	\$205.00/hr
GIS Analyst IV	\$165.00/hr
GIS Analyst III	\$145.00/hr
GIS Analyst II	\$130.00/hr
GIS Analyst I	\$115.00/hr
UAS Pilot	\$115.00/hr
Survey Lead	\$185.00/hr
Survey Manager	\$145.00/hr
Survey Crew Chief	\$120.00/hr
Survey Rod Person	\$95.00/hr
Survey Mapping Technician	\$95.00/hr

Construction Management Services

Principal/Manager	\$195.00/hr
Senior Construction Manager	\$185.00/hr
Senior Project Manager	\$175.00/hr
Construction Manager	\$170.00/hr
Project Manager	\$165.00/hr
Resident Engineer	\$160.00/hr
Construction Engineer	\$155.00/hr
On-site Owner's Representative	\$145.00/hr
Prevailing Wage Inspector	\$145.00/hr
Construction Inspector	\$140.00/hr
Administrator/Labor Compliance	\$100.00/hr

Hydrogeology/HazWaste Services

Project Director	\$325.00/hr
Principal Hydrogeologist/Engineer II	\$295.00/hr
Principal Hydrogeologist/Engineer I	\$275.00/hr
Senior Hydrogeologist V/Engineer V	\$260.00/hr
Senior Hydrogeologist IV/Engineer IV	\$250.00/hr
Senior Hydrogeologist III/Engineer III	\$240.00/hr
Senior Hydrogeologist II/Engineer II	\$230.00/hr
Senior Hydrogeologist I/Engineer I	\$220.00/hr
Project Hydrogeologist V/Engineer V	\$205.00/hr
Project Hydrogeologist IV/Engineer IV	\$195.00/hr
Project Hydrogeologist III/Engineer III	\$185.00/hr
Project Hydrogeologist II/Engineer II	\$175.00/hr
Project Hydrogeologist I/Engineer I	\$165.00/hr
Hydrogeologist/Engineering Assistant	\$130.00/hr

District Management & Operations

District General Manager	\$225.00/hr
District Engineer	\$215.00/hr
Operations Manager	\$165.00/hr
District Secretary/Accountant	\$140.00/hr
Collections System Manager	\$140.00/hr
Grade V Operator	\$130.00/hr
Grade IV Operator	\$115.00/hr
Grade III Operator	\$105.00/hr
Grade II Operator	\$85.00/hr
Grade I Operator	\$80.00/hr
Operator in Training	\$75.00/hr
Collection Maintenance Worker	\$75.00/hr

Creative Services

Creative Services IV	\$165.00/hr
Creative Services III	\$150.00/hr
Creative Services II	\$135.00/hr
Creative Services I	\$120.00/hr

Publications Services

Technical Editor IV	\$165.00/hr
Technical Editor III	\$150.00/hr
Technical Editor II	\$135.00/hr
Technical Editor I	\$120.00/hr
Publications Specialist IV	\$125.00/hr
Publications Specialist III	\$115.00/hr
Publications Specialist II	\$105.00/hr
Publications Specialist I	\$95.00/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 a monthly late charge equal to 1% per month of the outstanding balance until paid in full.

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.

The rates listed above assume prevailing wage rates does not apply. If this assumption is incorrect Dudek reserves the right to adjust its rates accordingly.

October 5th, 2023

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

Subject: *Proposal to Migrate Existing GIS-Based Data Management System to ArcGIS Online*

Dear Yucaipa GSA Member Agencies,

Dudek is pleased to submit this proposal to migrate the existing geographic information systems (GIS) based data management system (DMS) for the Yucaipa GSA (Agency) to ArcGIS Online. In support of this effort, Dudek has prepared a scope of work and fee to migrate the existing GIS-based application to support the collection and compilation of groundwater-related information within the Yucaipa Groundwater Basin.

Dudek will leverage the power of ArcGIS Online, a widely accepted industry-standard software as a service cloud platform, for the hosting of the DMS. This platform will provide an effortless transfer of technologies between stakeholders, enabling a seamless and productive collaboration process. The migration to ArcGIS Online will provide multiple benefits:

- **Cost-Efficiency:** Migrating to ArcGIS Online will reduce the Agency's overall costs by eliminating the overhead associated with hosting on our servers.
- **Access to Updates:** The Agency will benefit from timely GIS updates and security enhancements directly from Esri with ArcGIS Online.
- **Transparent Pricing:** ArcGIS Online offers a clear pricing model without hidden costs.
- **Scalability:** This platform can easily adapt based on the Agency's needs, allowing for efficient resource allocation.
- **Performance:** ArcGIS Online ensures faster data processing and retrieval, aiding in quicker decision-making.
- **Futureproofing:** As part of the migration, Dudek will upgrade the application to the latest framework, introducing both longevity and usability improvements.

By transitioning to ArcGIS Online, we aim to simplify and enhance the technology experience for the Yucaipa GSA, ensuring easy collaboration among stakeholders for the Yucaipa Groundwater Basin's GIS projects.

1 Migration of Existing DMS to ArcGIS Online


The existing internal web-based GIS application will continue to be accessible only to individuals designated by the Agency using the existing usernames and passwords.

- **Assumptions**

- Dudek will provision and set up an ArcGIS Organization account on behalf of the Agency. The initial provisioning will include:
 - Initial setup through Esri (current rate is a \$1200 onetime fee)
 - This includes two (2) Creator-level licenses necessary to administer the account. Additional licensing is necessary to accommodate Agency staff and is detailed below.
 - Additional user licensing:
 - One (1) Viewer license for use as a login to allow people read-only access to the DMS. \$110.00 annually.
 - Five (5) Mobile-worker licenses to facilitate field data collection. Each license is \$385 annually.
 - Five (5) Editor licenses to facilitate office-based editing via the web-based application. Each license is \$220.00 annually.
 - Provisioning of 10,000 ArcGIS Online Credits. Credits are the currency used within ArcGIS Online to cover costs associated with data storage and analysis. Credits are currently \$120.00 for 1000 credits and are good for two (2) years. Dudek anticipates that 10,000 credits will cover all the needs for 1-year, however, if additional credits are needed, then Dudek will notify the Agency and request authorization to purchase the additional credits for a cost not-to-exceed for the fee of the additional credits.
- Dudek will transfer the existing database and web based DMS application to the Agency's ArcGIS Online account.
- **Cost for Task 1..... \$7,175**

In summary, Dudek proposes to complete the work described above for task 1 on a time-and-materials basis not to exceed **\$7,175**. Dudek anticipates the transition to occur over a 1-week period. We sincerely appreciate the opportunity to serve the Agency and to develop an integral tool to effectively track groundwater resources.

Sincerely,



Matthew Palavido
GIS Application Developer