

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

Board Meeting  
**Wednesday, July 27, 2022 at 10:30 a.m.**  
(909) 797-2489 | [www.yucaipasgma.org](http://www.yucaipasgma.org)

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City of Yucaipa, 34272 Yucaipa Boulevard  
Yucaipa, California 92399

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## Meeting Broadcast Information

Zoom Online Access - <https://sbvmwd.zoom.us/j/89562920203>

Meeting ID - 895 6292 0203

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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. Meeting Minutes – April 27, 2022 [[Page 4 of 13](#)]
  - V. **Discussion Items**
    - A. Update on Groundwater Conditions in Yucaipa Subbasin for the 2021-2022 Water Year
    - B. Consideration of Dudek proposal to develop a well ordinance for the Yucaipa GSP Plan Area [[Page 7 of 13](#)]
    - C. Discussion of the City of Redlands Potentially Leaving the Yucaipa Groundwater Sustainability Agency
    - D. Discussion of legal representation for the Yucaipa GSA
    - E. Discussion of potentially applying a pumping fee for private well users that produce more than 2 AFY
    - F. Discussion of SGMA Prop 1 funding opportunities
    - G. Discussion of USGS Proposed tasks in Yucaipa Subbasin from July 1, 2022 to June 30, 2023
    - H. USGS presentation of Yucaipa Integrated Hydrologic Model sensitivity analysis
  - VI. **Topics for Future Meetings**
    - Development of San Gorgonio Pass Water Agency replenishment fees.
  - VII. **Comments by Board of Directors**

**VIII. Announcements - Future Meetings**

- A. Wednesday, October 26, 2022 at 10:30 am - **Board Meeting**
- B. Wednesday, January 25, 2023 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		George Jorritsma
South Mountain Water Company		George Hanson		Rolland Moore
Western Heights Water Company		Mark Iverson		Tim Green
Yucaipa Valley Water District		Joseph Zoba		Jennifer Ares
<b>Municipals</b>				
City of Redlands		John Harris		Kevin Watson
City of Yucaipa		Ray Casey		Fermin Preciado
<b>Regionals</b>				
San Bernardino Valley MWD		Bob Tincher		Matt Howard
San Gorgonio Pass Water Agency		Lance Eckhart		Thomas Todd
* 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		Bonnie Johnson		

# MINUTES OF THE YUCAIPA SUSTAINABLE GROUNDWATER MANAGEMENT AGENCY

## Board Meeting – April 27, 2022 - 10:30 a.m.

This workshop 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		George Jorritsma
South Mountain Water Company	✓	George Hanson		Rolland Moore
Western Heights Water Company	✓	Mark Iverson	✓	Tim Green
Yucaipa Valley Water District	✓	Joseph Zoba		Jennifer Ares
<b>Municipals</b>				
City of Redlands		John Harris	✓	Kevin Watson
City of Yucaipa		Ray Casey	✓	Fermin Preciado
<b>Regionals</b>				
San Bernardino Valley MWD	✓	Bob Tincher	✓	Matt Howard
San Gorgonio Pass Water Agency	✓	Lance Eckhart		Thomas Todd
<b>Stakeholders</b>				
County of Riverside		Steve Horn		Jeff Johnson
County of San Bernardino		Bob Page		
City of Calimesa		Bonnie Johnson		

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:

- David Alaniz, County of San Bernardino
- Madeline Chen, Ortega Strategies Group
- Ron Duncan, San Gorgonio Pass Water Agency
- Sam Fuller, Consultant
- Derek Hoffman, Fennemore Law
- Scott Hudson, Oak Glen Domestic
- Brittany Lim, South Mesa Water Company
- Nyles O’Harra, Yucaipa Valley Water District
- Mike Podegraz - Charles Abbot Associates / City of Yucaipa
- Steve Stuart, Dudek

- Mickey Valdivia, San Gorgonio Pass Water Agency
- Kevin Walton, San Gorgonio Pass Water Agency

III. Public Comments

None

IV. Approval of Meeting Minutes

A. Meeting Minutes - March 23, 2022

George Hanson moved to approve the board meeting minutes and David Armstrong 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	Yes
City of Yucaipa	Yes
San Bernardino Valley MWD	Yes
San Gorgonio Pass Water Agency	Yes

V. Discussion Items

A. Discussion of Drought Well Permitting Requirements Through Executive Order N-7-22 [Page 7 of 14]

Matt Howard and Steve Stuart discussed the well permitting requirements pursuant to Executive Order N-7-22 which went into effect on March 28, 2022. This requirement will require the Yucaipa Sustainable Groundwater Management Agency to coordinate with San Bernardino and Riverside County Departments of Environmental Health and applies to all new wells or alterations to existing wells, except for private domestic wells that produce less than 2 acre feet per year and except for public supply wells that supply 100% to drinking water system. The Yucaipa Sustainable Groundwater Management Agency will need to provide written verification that wells are consistent with the Groundwater Sustainability Plan.

B. Discussion of the City of Redlands Potentially Leaving the Yucaipa Groundwater Sustainability Agency

There was a brief discussion regarding the current status of the City of Redlands participating in the Yucaipa Sustainable Groundwater Management Agency. This item will be added to the meeting agenda for July 27, 2022 for further discussion.

C. Consideration of the Dudek's Proposal to Provide Support Services to the Yucaipa Groundwater Sustainability Agency [Page 9 of 14]

Steve Stuart discussed the administrative support services for the period of May 1, 2022 to April 30, 2023. There was a consensus by the board members to authorize Dudek to proceed with the administrative services contract for a sum not to exceed \$24,950.

VI. Topics for Future Meetings - Suggested meeting dates are provided below and will be adjusted based on the progress of each topic.

- Development of San Gorgonio Pass Water Agency replenishment fees.
- Potential Change to the Memorandum of Agreement Related to the Established Cost Sharing Methodology.
- Utilization of legal counsel services from the San Bernardino Valley Municipal Water District.

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 27, 2022, at 10:30 am.

Future board meetings are scheduled on the following dates:

- Wednesday, October 26, 2022 at 10:30 am
- Wednesday, January 25, 2023 at 10:30 am

IX. Adjournment - The meeting was adjourned at 11:10 am.

June 20, 2022

Yucaipa Groundwater Sustainability Agency  
c/o Western Heights Water Company  
Attn: Mark Iverson, President  
32352 Avenue D  
Yucaipa, California 92399-1801

Subject: Proposal to Develop Well Ordinance for the Yucaipa GSP Plan Area

Dear Yucaipa GSA Member Agencies:

One of the discussion topics at the Yucaipa GSA Board meeting on April 27, 2022 was the Drought Executive Order N-7-22 issued by the Governor of California on March 28, 2022. Paragraph 9 of the Drought Executive Order states that a public agency responsible for issuing well permits must obtain “written verification” from a Groundwater Sustainability Agency (GSA) that “groundwater extraction by the proposed well would not be inconsistent with any sustainable groundwater management program established in any applicable Groundwater Sustainability Plan adopted by the GSA and would not decrease the likelihood of achieving a sustainability goal for the basin covered by such a plan.” To help verify whether a proposed new well or alteration to an existing well would be consistent with the Yucaipa GSP, the Yucaipa GSA discussed adopting a well ordinance that would require specific design requirements (e.g., totalizing flow meter, accessible sounding port or mechanism to measured depths-to-water) to monitor and evaluate the operation of a well in the Yucaipa Subbasin (Plan Area). The overarching purpose of the well ordinance will be to regulate the installation, abandonment, alteration, or destruction of wells to protect and sustainably manage the groundwater resource in the Plan Area.

Dudek is pleased to present this scope of work and fee to the Yucaipa GSA to develop an ordinance for the construction, reconstruction, abandonment, and destruction of groundwater wells in the Plan Area defined in the Yucaipa Groundwater Sustainability Plan (GSP) (Dudek 2022). The development of a well ordinance is within the authority of the GSA per the 2014 Sustainable Groundwater Management Act (SGMA). SGMA provides authority to the Yucaipa GSA per Water Code Section 10725.2(b), *Authority of Groundwater Sustainability Agency*, to “adopt rules, regulations, ordinances, and resolutions” and through Section 10725.8, *Measurement Devices and Reporting*, to require “that the use of every groundwater extraction facility within the management area of the groundwater sustainability agency be measured by a water-measuring device satisfactory to the groundwater sustainability agency.”

The Plan Area well ordinance will provide general standards and requirements for existing and proposed new wells to ensure that accurate and representative information is collected to evaluate conditions in the Subbasin (Dudek 2022). This information includes measurements of depths-to-water, accurate measurements and recordings of the volumes of groundwater extracted on a monthly basis, and that each well is accessible to collect water quality samples that are representative of conditions in the Subbasin. The collection of this information will assist the GSA in verifying that the well is consistent with

the sustainability goal of the GSP and is constructed and operated accordingly to maintain sustainability of the groundwater resource.

The public agencies responsible for issuing well permits in the Plan Area include the San Bernardino County Environmental Health Services (EHS) and the Riverside County Department of Environmental Health (DEH). These two agencies have contacted the Yucaipa GSA about forwarding well permit applications for review. With respect to the Drought Executive Order N-7-22 Paragraph 9 Section A, the Plan Area well ordinance will require additional information from the well owner than what is required in the well permit applications for either Riverside County DEH or San Bernardino County EHS. The additional information requested by the well ordinance may include, at a minimum, the following:

- Estimated monthly and/or annual peak production rate for a proposed extraction well.
- Details on the installation of a sounding tube to measure depths-to-water for a proposed extraction well; or other methodology to measure depths-to-water in the well.
- Results of a survey by a licensed surveyor that include coordinates of the well plus elevations of land surface and a reference point from which depths-to-water are measured at the well. Well coordinates should be referenced to the North American Datum of 1983 (NAD83), and elevations referenced to the North American Vertical Datum of 1988 (NAVD88) in units of feet.
- Details for the installation of an access port to collect representative water quality samples; or a different methodology to collect representative groundwater quality samples.
- Details for the installation of a calibrated totalizing flow meter for a proposed extraction well.
- A copy of the well completion report filed with DWR and the County that issued the well permit.

The following scope of work and fee details the work Dudek will undertake to develop a well ordinance.

## 1 Scope of Work

### Task 1 Prepared Draft Well Ordinance

Dudek will use the County of Riverside's Ordinance 682.4, which regulates the construction, reconstruction, abandonment, and destruction of wells, and San Bernardino County's Ordinance 3872, which regulates groundwater management in the unincorporated, unadjudicated desert region of the county, as guides to develop a specific well ordinance for the Plan Area. The Plan Area well ordinance will adopt the County of Riverside's Ordinance 682.4 standards, as it does apply to the portion of the Plan Area within the County of Riverside, as well as establish new regulations to assist the GSA in evaluating groundwater conditions in the Yucaipa Subbasin. San Bernardino County's ordinance 3872 does not apply to the portion of the Plan Area within the County of San Bernardino, but will be used as a guide to be consistent with San Bernardino County's approach to managing groundwater resources. The following is a brief description of the anticipated schedule for developing the Yucaipa GSA well ordinance:

- A draft outline of the Yucaipa GSA well ordinance will be provided to the Yucaipa GSA to review and provide comments. The draft outline will present the major components for the ordinance



with brief descriptions identifying their intents and purposes. Dudek anticipates providing the draft outline to the GSA four to six weeks after receiving authorization to proceed with this task.

- Dudek anticipates providing the GSA three weeks to review and provide comments on the draft outline.
- Dudek will prepare a letter with responses to comments by the GSA on the draft ordinance. The letter will be submitted to the GSA. If the GSA finds the responses satisfactory and requires no further revisions to the draft ordinance, then Dudek will prepare a final version for consideration at the following Yucaipa GSA Board meeting.

*Fee for Task 1* ..... \$14,890

### Deliverables

- Draft well ordinance for Yucaipa GSP Plan Area
- Response-to-Comments Letter to Yucaipa GSA
- Final version of well ordinance for consideration by Yucaipa GSA

## Schedule

The following schedule outlines the anticipated timeframe for developing the well ordinance:

- **July 27, 2022** – GSA Board Meeting – Authorization for Dudek to Proceed with the Well Ordinance
- **September 5, 2022** – Draft Well Ordinance to Yucaipa GSA to Review
- **September 26, 2022** – Comments from GSA Member Agencies
- **October 3, 2022** – Response to Comments Letter to GSA
- **October 10-14, 2022** – Finalize Well Ordinance
- **October 26, 2022** – GSA Board Meeting – Consideration of Adopting Well Ordinance

## Fee Summary

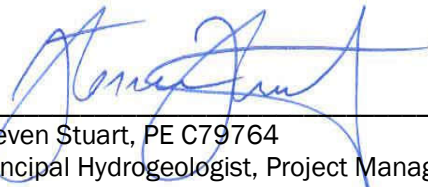
The fee presented in this proposal will be charged on a time and materials basis in accordance with Dudek’s 2022 Standard Schedule of Charges. The time and materials fee provided in this proposal represents an estimate of the anticipated level of effort required to complete the tasks described in the 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.....\$14,890**

Dudek appreciates the opportunity to present this proposal to develop a well ordinance for the Yucaipa GSP Plan Area. 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,



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Steven Stuart, PE C79764  
Principal Hydrogeologist, Project Manager

Att.: *Table 1. Fee for Developing a Well Ordinance for the Yucaipa GSP Plan Area*  
*Dudek 2022 Standard Schedule of Charges*  
cc: *Matt Howard, San Bernardino Valley Municipal Water District*

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# Attachment A

## Table 1. Fee for Developing a Well Ordinance for the Yucaipa GSP Plan Area

### Dudek 2022 Standard Schedule of Charges

**TABLE I. FEE FOR DEVELOPING A WELL ORDINANCE FOR THE YUCAIPA GSP PLAN AREA  
DUDEK FEE SCHEDULE**

<i>Team Member:</i>		Steven Stuart, PE	Hugh McManus, PG	<b>TOTAL HOURS</b>	<b>LABOR COST</b>	<b>TOTAL</b>
<i>Project Team Role:</i>		Project Manager	Hydrogeologist			
<i>Labor Class:</i>		Principal Hydrogeologist I	Hydrogeologist V			
<i>Billable Rate :</i>		\$280	\$185			
<b>Task 1 - Develop Well Ordinance for Yucaipa GSP Plan Area</b>						
1-1	Draft Well Ordinance	20	16	36	\$ 8,560	\$ 8,560
1-2	Response-to-Comments by Yucaipa GSA	4	4	8	\$ 1,860	\$ 1,860
1-3	Finalize Well Ordinance	4	6	10	\$ 2,230	\$ 2,230
1-4	Project Management/Meetings	8		8	\$ 2,240	\$ 2,240
	<b>Subtotal Task 1</b>	<b>36</b>	<b>26</b>	<b>62</b>	<b>\$ 14,890</b>	<b>\$ 14,890</b>
	<b>Total Hours and Fee</b>	<b>36</b>	<b>26</b>	<b>62</b>	<b>\$ 14,890.00</b>	<b>\$ 14,890.00</b>

## DUDEK 2022 Standard Schedule of Charges

### Engineering Services

Project Director .....	\$310.00/hr
Principal Engineer III .....	\$285.00/hr
Principal Engineer II .....	\$275.00/hr
Principal Engineer I .....	\$265.00/hr
Program Manager .....	\$255.00/hr
Senior Project Manager .....	\$255.00/hr
Project Manager .....	\$245.00/hr
Senior Engineer III .....	\$240.00/hr
Senior Engineer II .....	\$230.00/hr
Senior Engineer I .....	\$220.00/hr
Project Engineer IV/Technician IV .....	\$210.00/hr
Project Engineer III/Technician III .....	\$200.00/hr
Project Engineer II/Technician II .....	\$185.00/hr
Project Engineer I/Technician I .....	\$165.00/hr
Senior Designer II .....	\$190.00/hr
Senior Designer I .....	\$185.00/hr
Designer .....	\$175.00/hr
Assistant Designer .....	\$170.00/hr
CADD Operator III .....	\$165.00/hr
CADD Operator II .....	\$155.00/hr
CADD Operator I .....	\$140.00/hr
CADD Drafter .....	\$125.00/hr
CADD Technician .....	\$115.00/hr
Project Coordinator .....	\$145.00/hr
Engineering Assistant .....	\$120.00/hr

### Environmental Services

Project Director .....	\$255.00/hr
Senior Specialist IV .....	\$235.00/hr
Senior Specialist III .....	\$225.00/hr
Senior Specialist II .....	\$210.00/hr
Senior Specialist I .....	\$195.00/hr
Specialist V .....	\$185.00/hr
Specialist IV .....	\$175.00/hr
Specialist III .....	\$165.00/hr
Specialist II .....	\$150.00/hr
Specialist I .....	\$140.00/hr
Analyst V .....	\$130.00/hr
Analyst IV .....	\$115.00/hr
Analyst III .....	\$105.00/hr
Analyst II .....	\$95.00/hr
Analyst I .....	\$85.00/hr
Technician III .....	\$75.00/hr
Technician II .....	\$65.00/hr
Technician I .....	\$55.00/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 .....	\$135.00/hr
Survey Crew Chief .....	\$115.00/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 .....	\$160.00/hr
Project Manager .....	\$150.00/hr
Resident Engineer .....	\$150.00/hr
Construction Engineer .....	\$150.00/hr
On-site Owner's Representative .....	\$140.00/hr
Prevailing Wage Inspector .....	\$139.00/hr
Construction Inspector .....	\$135.00/hr
Administrator/Labor Compliance .....	\$100.00/hr

### Hydrogeology/HazWaste Services

Project Director .....	\$305.00/hr
Principal Hydrogeologist/Engineer II .....	\$280.00/hr
Principal Hydrogeologist/Engineer I .....	\$260.00/hr
Senior Hydrogeologist V/Engineer V .....	\$240.00/hr
Senior Hydrogeologist IV/Engineer IV .....	\$230.00/hr
Senior Hydrogeologist III/Engineer III .....	\$220.00/hr
Senior Hydrogeologist II/Engineer II .....	\$210.00/hr
Senior Hydrogeologist I/Engineer I .....	\$200.00/hr
Project Hydrogeologist V/Engineer V .....	\$185.00/hr
Project Hydrogeologist IV/Engineer IV .....	\$175.00/hr
Project Hydrogeologist III/Engineer III .....	\$165.00/hr
Project Hydrogeologist II/Engineer II .....	\$155.00/hr
Project Hydrogeologist I/Engineer I .....	\$145.00/hr
Hydrogeologist/Engineering Assistant .....	\$120.00/hr

### District Management & Operations

District General Manager .....	\$210.00/hr
District Engineer .....	\$205.00/hr
Operations Manager .....	\$160.00/hr
District Secretary/Accountant .....	\$135.00/hr
Collections System Manager .....	\$135.00/hr
Grade V Operator .....	\$125.00/hr
Grade IV Operator .....	\$110.00/hr
Grade III Operator .....	\$100.00/hr
Grade II Operator .....	\$80.00/hr
Grade I Operator .....	\$75.00/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 .....	\$120.00/hr
Publications Specialist III .....	\$110.00/hr
Publications Specialist II .....	\$100.00/hr
Publications Specialist I .....	\$90.00/hr
Clerical Administration .....	\$90.00/hr

**Forensic Engineering** – 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 3% annually.

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.