

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

Board Meeting  
**Wednesday, April 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 - March 23, 2022 [[Page 3 of 14](#)]
  - V. **Discussion Items**
    - A. Discussion of Drought Well Permitting Requirements Through Executive Order N-7-22 [[Page 7 of 14](#)]
    - B. Discussion of the City of Redlands Potentially Leaving the Yucaipa Groundwater Sustainability Agency
    - C. Consideration of the Dudek's Proposal to Provide Support Services to the Yucaipa Groundwater Sustainability Agency [[Page 9 of 14](#)]
  - VI. **Topics for Future Meetings**
    - Development of San Geronio Pass Water Agency replenishment fees.
  - VII. **Comments by Board of Directors**
  - VIII. **Announcements - Future Meetings**
    - A. Wednesday, July 27, 2022 at 10:30 am - **Board Meeting**
    - B. Wednesday, October 26, 2022 at 10:30 am - **Board Meeting**
    - C. 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

## Workshop – March 23, 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:

- Madeline Blua, Yucaipa Valley Water District
- Madeline Chen, Ortega Strategies Group
- Sam Fuller, Consultant
- Lonni Granlund, Yucaipa Valley Water District
- Derek Hoffman, Fennemore Law
- Scott Hudson, Oak Glen Domestic
- Chris Mann, Yucaipa Valley Water District
- Greg Mendez, United States Geological Survey
- Larry Smith, San Gorgonio Pass Water Agency
- Steve Stuart, Dudek

- Colleen Wallace, City of Banning
- Kevin Walton, San Gorgonio Pass Water Agency

III. Public Comments

Kevin Walton introduced himself as the newly appointed member of the Board of Directors of the San Gorgonio Pass Water Agency.

IV. Approval of Meeting Minutes

A. Meeting Minutes - December 8, 2021

George Hanson moved to approve the board meeting minutes and Fermin Preciado 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               | Abstain |
| City of Yucaipa                | Yes     |
| San Bernardino Valley MWD      | Yes     |
| San Gorgonio Pass Water Agency | Absent  |

B. Meeting Minutes - December 22, 2021

Tim Green 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 | Absent |

C. Meeting Minutes - January 26, 2022

Tim Green moved to approve the board meeting minutes and George Hanson 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 Geronio Pass Water Agency | Absent |

V. Discussion Items

- A. Discuss and Consider the Yucaipa Groundwater Sustainability Agency Annual Reports for Water Years 2018-19, 2019-20, and 2020-21

Steve Stuart discussed the draft Yucaipa Groundwater Sustainability Agency Annual Report for Water Years 2018-19, 2019-20, and 2020-21. Comments on the draft reports are due to Steve Stuart by Friday, March 25, 2022 in order to submit the annual reports to the Department of Water Resources by April 1, 2022.

Steve Stuart presented information about recent precipitation trends, historical groundwater elevation data, and recent groundwater extractions for each of the Management Areas in the Yucaipa Basin. The Database Management System will be updated with Spring 2022 data by the end of March 2022.

- B. Discussion of Data Gaps Identified in the Groundwater Sustainability Plan

Steve Stuart discussed the data gaps previously identified in the Groundwater Sustainability Plan. The most important data gaps include:

- Agency boundary and jurisdictional map;
- Evaluation of water losses at local spreading basins;
- Outreach to private well users to confirm and quantify groundwater use;
- Characterization of surface water/groundwater interactions;
- Confirm potential Groundwater Dependent Ecosystems; and
- Establish additional monitoring wells in eastern portion of the Calimesa Management Area

- C. Discussion of the Proposed USGS Climate Stations in the Yucaipa Basin

Matt Howard provided an overview of the two USGS climate monitoring stations proposed for the Yucaipa Basin area. One climate monitoring station will be located in the Upper Basin west of Oak Glen and the second climate monitoring station will be located in the central part of the basin. The monitoring stations are expected to be completed by the end of the fiscal year.

- D. Discussion of the Current Cost-Sharing Mechanism through the Memorandum of Agreement (MOA)

John Harris and George Hanson discussed the current cost-sharing mechanism in the Memorandum of Agreement. Since the City of Redlands owns a majority share in the South Mountain Water Company, the City of Redlands pays as both a Water Purveyor and a Municipality. This cost sharing formula was discussed during the

original development of the Memorandum of Agreement and was agreeable to all parties since each entity would receive an equal vote during the development and long-term administration of the Groundwater Sustainability Plan.

This item will be added to a future meeting agenda for further discussion.

E. Discussion of Additional Support to the Groundwater Sustainability Agency from Dudek

Steve Stuart discussed the estimated time and material administrative costs for support services by Dudek of \$25,000. The administrative costs include: DMS updating and maintenance; preparation and participation in Yucaipa SGMA meetings; compliance with monitoring protocols pursuant to the Groundwater Sustainability Plan; and outreach to private well users.

This item will be added to a future meeting agenda for consideration by the Board of Directors.

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 Geronio Pass Water Agency replenishment fees.
- Potential Change to the Memorandum of Agreement Related to the Established Cost Sharing Methodology.

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, April 27, 2022, at 10:30 am.

Future board meetings are scheduled on the following dates:

- Wednesday, July 27, 2022 at 10:30 am
- Wednesday, October 26, 2022 at 10:30 am
- Wednesday, January 25, 2023 at 10:30 am

IX. Adjournment - The meeting was adjourned at 11:30 am.



# Drought Well Permitting Requirements

## *Drought Executive Order N-7-22*

On March 28, 2022 Governor Newsom issued [Drought Executive Order N-7-22](#) that included new well permitting requirements for local agencies to prepare for and lessen the effects of drought conditions (Action 9).

### *Well Permitting Authority and Groundwater Management Oversight*

In California, regulatory authority over well construction, alteration, and destruction activities resides with local agencies (cities, counties, or water agencies), who have the authority to adopt a local well ordinance. Well permits are administered and enforced by local agencies (or local enforcing agencies, [LEAs](#)), often the Department of Environmental Health within a given county.

With the enactment of the Sustainable Groundwater Management Act ([SGMA](#)) in 2014, local public agencies – called [groundwater sustainability agencies](#) or GSAs – formed to provide specific oversight and management of groundwater resources, and to achieve sustainable groundwater management within 20 years through the development and implementation of groundwater sustainability plans (GSPs) and associated projects and management actions. The local GSAs are required to include in their GSPs a discussion of how they will coordinate these efforts with local land use authorities, including local well permitting agencies.

### *Drought Well Permitting Requirements*

Local well ordinances authorize the conditions for agencies to issue a well permit or permit modification. Given the record drought conditions the state has faced over the last three years, Drought Executive Order N-7-22 requires additional actions be taken by local well permitting agencies prior to issuing a well permit.

#### **Excerpt of Action 9 from Drought Executive Order N-7-22:**

*9. To protect health, safety, and the environment during this drought emergency, a county, city, or other public agency shall not:*

*a. Approve a permit for a new groundwater well or for alteration of an existing well in a basin subject to the Sustainable Groundwater Management Act and classified as medium- or high-priority without first obtaining written verification from a Groundwater Sustainability Agency managing the basin or area of the basin where the well is proposed to be located 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 that Groundwater Sustainability Agency and would not decrease the likelihood of achieving a sustainability goal for the basin covered by such a plan; or*

*b. Issue a permit for a new groundwater well or for alteration of an existing well without first determining that extraction of groundwater from the proposed well is (1) not likely to interfere with the production and functioning of existing nearby wells, and (2) not likely to cause subsidence that would adversely impact or damage nearby infrastructure.*

*This paragraph shall not apply to permits for wells that will provide less than two acre-feet per year of groundwater for individual domestic users, or that will exclusively provide groundwater to public water supply systems as defined in section 116275 of the Health and Safety Code.*

For more information about the State's Drought Response and Assistance, please visit [drought.ca.gov](http://drought.ca.gov).

Local well permitting agencies retain existing well permitting authorities, including reviewing and administering well permits. Under the Executive Order Action 9, local well permitting agencies must take the following steps during the well permitting process for wells intending to extract groundwater:

1. Consultation with the GSA – If the proposed well would be in a high or medium priority groundwater basin, the well permitting agency must consult with the GSA and receive written verification from the GSA that the proposed well location is generally consistent (not inconsistent) with the applicable GSP and will not decrease the likelihood of achieving the sustainability goals that the GSAs have developed under SGMA.
2. Permit Evaluation – For every well permit application, the local well permitting agency must determine before issuing a well permit that extraction of groundwater from the proposed well is not likely to interfere with the production and functioning of existing nearby wells and is not likely to cause subsidence that would adversely impact or damage nearby infrastructure.

These requirements do not apply to wells that pump less than 2 acre-feet per year (de minimus users) and wells that exclusively provide groundwater to public water supply systems as defined in [section 116275](#) of the Health and Safety Code.

### *State Resources Available to Local Agencies*

The California Department of Water Resources (DWR) provides technical and other support services to local agencies to support decision-making. The following resources are available to help local agencies navigate the well permitting requirements in this Drought Executive Order:

- To find the **groundwater basins subject to SGMA** and classified as medium or high priority: [Basin Prioritization Dashboard](#)
- To find the **Groundwater Sustainability Agency** managing the applicable basin or area of the basin: [GSA Map Viewer](#)
- To find the **Groundwater Sustainability Plan** adopted by the local Groundwater Sustainability Agency: [GSP Map Viewer](#)
- To view **existing nearby wells** (domestic, irrigation, public supply and reported dry wells): [California's Groundwater Live – Well Infrastructure](#)
- To view **groundwater levels and trends**: [California's Groundwater Live – Groundwater Levels](#)
- To view **subsidence data** and nearby infrastructure: [California's Groundwater Live – Subsidence Data](#)

For more information or questions, please contact DWR's Sustainable Groundwater Management Office at: [SGMPS@water.ca.gov](mailto:SGMPS@water.ca.gov).

*For more information about the State's Drought Response and Assistance, please visit [drought.ca.gov](http://drought.ca.gov).*



April 19, 2022

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

Subject: Proposal to Provide Support Services to the Yucaipa Groundwater Sustainability Agency - May 2022 to April 2023

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 provide services from May 1, 2022 to April 30, 2023 in support of the implementation of the Yucaipa Groundwater Sustainability Plan that was adopted by the GSA on January 26, 2022. In summary, Dudek's services will include providing quality assurance of data collected in the field, updating and maintaining the Data Management System, preparing for and participating in GSA meetings, assisting the GSA in developing and conducting an outreach program to engage with private well users in the Plan Area, and assist the GSA in addressing the data gaps identified in the GSP.

The following scope of work and fee details the tasks Dudek will undertake to support the Yucaipa GSA in the implementation of the Yucaipa GSP.

## 1 Scope of Work

### Task 1 Quality Assurance of Data

Dudek will collect, compile and review for quality assurance all data collected by the GSA member agencies and participating stakeholders in the Plan Area. The data includes, but is not limited to, static groundwater elevation measurements, monthly pumping data from active wells, monthly accounting of State Water Project (SWP) water imported into the Plan Area, groundwater quality sampling and reporting, precipitation data obtained from climatic stations maintained by the San Bernardino County Flood Control District and National Oceanic and Atmospheric Agency, and stream flow data collected at SBCFCD stations. The data collected will be evaluated against the monitoring and reporting protocols included in the GSP. Data that meets these protocols will be uploaded to the DMS and made available for the GSA member agencies to view and access.

*Fee for Task 1..... \$4,670*

### Task 2 Update and Maintain Data Management System

Data approved under Task 1, Quality Assurance, will be uploaded to the DMS. The data will be formatted, compiled and organized per the current layout design in the GIS-based system. Dudek will also provide services in

maintaining and managing the DMS and will provide support to the GSA member agencies in accessing the DMS and navigating through the database.

*Fee for Task 2.....* \$5,110

### Task 3 Participate in GSA Meetings

Dudek will prepare for and participate in quarterly GSA meetings scheduled for July and October, 2022 and the quarterly meetings scheduled for January and April 2023. If Dudek’s participation in any additional meetings is requested by the Yucaipa GSA, then Dudek will submit a change order to the GSA that includes labor hours to prepare for and participate in the requested meeting(s).

*Fee for Task 3.....* \$8,320

### Task 4 Outreach to Private Well Users

Dudek will assist the GSA in developing an outreach program to engage with private well users in the Plan Area. Dudek anticipates developing a letter introducing the GSA and explaining the purpose for reaching out to the owner. Information of interest includes the use of an existing well for domestic and/or agricultural purposes, construction and operation details of the well, and if it is possible to measure a depth-to-water in the well. Each private well owner will be asked to become a participant in the implementation and monitoring program of the GSP.

*Fee for Task 4.....* \$4,250

### Task 5 Address Data Gaps Identified in the GSP

Dudek will assist the GSA in addressing the data gaps identified in the GSP. The data gaps include, in addition to reaching out to private will users (see Task 4), the installation of stream gaging stations to enhance our understanding of stream flow, interconnected surface water in the upper reaches of Wilson Creek and Oak Glen Creek, and the upper reach of Yucaipa Creek in Wildwood Canyon, confirmation of whether “potential” GDEs identified in the GSP are dependent on shallow groundwater, and groundwater level monitoring in the eastern half of the Calimesa management area. Dudek will, under this task, develop a technical memorandum outlining how these particular data gaps may be addressed.

*Fee for Task 1.5.....* \$2,600

#### Deliverables

- Draft Introductory Letter for private well users
- Technical memorandum on Addressing Data Gaps

## Schedule

The following schedule outlines the anticipated meetings and deliverables:

- **July 27, 2022** – GSA Board Meeting
- **July 31, 2022** – Draft Introductory Letter for Private Well Users
- **September 30, 2022** – Data Gap Technical Memorandum
- **October 26, 2022** – GSA Board Meeting
- **January 25, 2023** – GSA Board Meeting
- **April 26, 2023** – GSA Board Meeting

## Fee Summary

The fee presented in this proposal will be charged on a time and materials basis in accordance with Dudek's 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.....\$24,950**

Dudek appreciates the opportunity to present this proposal to provide support services following the implementation of the GSP. 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 Dudek Support Services  
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 the 2022 Yucaipa GSP Annual Report Dudek 2022 Standard Schedule of Charges

TABLE I. FEE FOR SUPPORT SERVICES FOR YUCAIPA GSA  
MAY 2022 - APRIL 2023

|   |   | <i>Team Member:</i>       | Steven Stuart, PE          | Matt Palavido    | Xiomara Rosenblatt | TOTAL HOURS        | LABOR COST         | TOTAL |
|---|---|---------------------------|----------------------------|------------------|--------------------|--------------------|--------------------|-------|
|   |   | <i>Project Team Role:</i> | Project Manager            | DMS Manager      | Hydrogeologist     |                    |                    |       |
|   |   | <i>Labor Class:</i>       | Principal Hydrogeologist I | Sr. Specialist I | Hydrogeologist III |                    |                    |       |
|   |   | <i>Billable Rate :</i>    | \$260                      | \$185            | \$165              |                    |                    |       |
| <b>Task 1 - Quality Assurance</b>                   |   |                           |                            |                  |                    |                    |                    |       |
| 1-1   | Quality Assurance of Data                         | 4                         |                            | 22               | 26                 | \$ 4,670           | \$ 4,670           |       |
|   | <b>Subtotal Task 1</b>                            | <b>4</b>                  |                            | <b>22</b>        | <b>26</b>          | <b>\$ 4,670</b>    | <b>\$ 4,670</b>    |       |
| <b>Task 2 - Maintain Data Management System</b>     |   |                           |                            |                  |                    |                    |                    |       |
| 2-1   | Update and Maintain DMS                           | 4                         | 22                         |                  | 26                 | \$ 5,110           | \$ 5,110           |       |
|   | <b>Subtotal Task 2</b>                            | <b>4</b>                  | <b>22</b>                  |                  | <b>26</b>          | <b>\$ 5,110</b>    | <b>\$ 5,110</b>    |       |
| <b>Task 3 - Participate in GSA Meetings</b>         |   |                           |                            |                  |                    |                    |                    |       |
| 3-1   | Prepare for and Participate in Quarterly Meetings | 32                        |                            |                  | 32                 | \$ 8,320           | \$ 8,320           |       |
|   | <b>Subtotal Task 3</b>                            | <b>32</b>                 |                            |                  | <b>32</b>          | <b>\$ 8,320</b>    | <b>\$ 8,320</b>    |       |
| <b>Task 4 - Outreach to Private Well Users</b>      |   |                           |                            |                  |                    |                    |                    |       |
| 4-1   | Draft Introductory Letter to Private Well Users   | 6                         |                            |                  | 6                  | \$ 1,560           | \$ 1,560           |       |
| 4-2   | Develop Outreach Program                          | 4                         |                            | 10               | 14                 | \$ 2,690           | \$ 2,690           |       |
|   | <b>Subtotal Task 4</b>                            | <b>10</b>                 |                            | <b>10</b>        | <b>20</b>          | <b>\$ 4,250</b>    | <b>\$ 4,250</b>    |       |
| <b>Task 5 - Address Data Gaps Identified in GSP</b> |   |                           |                            |                  |                    |                    |                    |       |
| 5-1   | Develop Technical Memorandum                      | 10                        |                            |                  | 10                 | \$ 2,600           | \$ 2,600           |       |
|   | <b>Subtotal Task 5</b>                            | <b>10</b>                 |                            |                  | <b>10</b>          | <b>\$ 2,600</b>    | <b>\$ 2,600</b>    |       |
| <b>Total Hours and Fee</b>                          |   | <b>60</b>                 | <b>22</b>                  | <b>32</b>        | <b>114</b>         | <b>\$24,950.00</b> | <b>\$24,950.00</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.