

Prop 1 and Prop 68 SGWP Grant Progress Report

Grantee Name: Colusa Groundwater Authority
Grant Agreement No.: 46-00012655
Progress Report No.: 13
Reporting Period: 2021 Q13 – October 1, 2021 – December 31, 2021
Prepared: January 31, 2022

Project or Component #1: Grant Administration

Completion Checklist	Completed?
Narrative Description	<input checked="" type="checkbox"/>
Appendix A – Status of Required Deliverables	<input checked="" type="checkbox"/>
Appendix B – Stakeholder Outreach & Coordination Documentation	<input checked="" type="checkbox"/>
Appendix C – GSP Development Activities	<input checked="" type="checkbox"/>
Appendix D – Project Photographs	<input checked="" type="checkbox"/>
Appendix E – Invoice Projections	<input checked="" type="checkbox"/>

Narrative Description(s)

1. Project or Component Description

The Project encompasses all of the activities associated with the planning, development and preparation of one or more GSP(s) for the Colusa Subbasin of the Sacramento Valley Groundwater Basin (5-021.52). The completed GSP will comply with and meet the requirements of DWR’s GSP regulations. The GSP project will be prepared and implemented by the two Groundwater Sustainability Agencies (GSAs) that have been formed in the subbasin: the Colusa Groundwater Authority (CGA) (representing agencies and landowners in Colusa County), and the Glenn Groundwater Authority (GGA) (representing agencies and landowners in Glenn County). The Colusa Groundwater Authority is the grant administrator. The CGA and GGA are equal partners in this endeavor.

2. Project Progress

Budget Category (a): Grant Administration

During this reporting period, CGA Staff, in coordination with GGA Staff and the DWR Grant Administrator, completed the twelfth quarterly report and quarterly invoices (Prop. 1 and Prop. 68) for this project.

Updates on All Tasks (activities accomplished during the reporting period)

- Milestones or Deliverables Completed/Submitted
 - The twelfth Quarterly Report (July 1-September 30, 2021) was completed and submitted
 - The Quarterly Invoices for Proposition 1 and Proposition 68 were completed and submitted
 - 4th Amendment was submitted to DWR in December 2021 to update contact information, allocate funding to better align with expected costs, include the preparation and submittal of the Annual Report as a reimbursable task, and adjust the language slightly in the Data Management System task.
- Impediments to Completion of Task

- None
- Describe activities that negatively or positively impacted the schedule and/or budget
- None.

Budget Category (b): Stakeholder Outreach and Education

During this reporting period, CGA Staff, GGA Staff and the Public Outreach Consultant team participated in weekly project update phone meetings.

Appendix B contains presentations from GSA Board and TAC meetings that contain information about the progress of Stakeholder outreach and education.

Public meetings were conducted on October 13 (virtual) and October 15 (in-person), respectively, to present the draft GSP. The October 13 meeting was well attended, while the October 15 meeting was held in person on a Friday evening and was sparsely attended.

Public Board meetings were held for the adoption of the GSP on December 13th (CGA) and 14th (GGA).

Broader outreach continues, including periodic emails to interested parties, TAC members, and the GSA boards, as well as social media posts regarding ongoing GSP development activities and regular CGA and GGA website updates. Additional activities included updates to the administrative record to formally track stakeholder input received and responses provided.

Colusa Subbasin SGMA social media pages can be found at the links below.

Facebook: <https://www.facebook.com/ColusaSubbasin>

Twitter: <https://www.twitter.com/ColusaSubbasin>

CGA and GGA each hold regular Board meetings and standing subcommittee meetings which are open to the public and interested stakeholders are encouraged to attend. CGA and GGA Member Agencies also hold public Board meetings where SGMA updates are provided. Public comments may be made at all of these meetings and relevant feedback is entered into the Administrative Record. CGA and GGA Staff both provided SGMA Updates at various venues during this reporting period. Grant funding is not used for GSA Board meetings, Member Agency Board meetings or the Staff updates at various venues, but these activities are relevant to the overall project, and they are listed below under Additional Stakeholder outreach activities.

Updates on All Tasks (activities accomplished during the reporting period)

- Milestones or Deliverables Completed/Submitted
 - Planning and public outreach took place for Public meetings that were held on October 13 and 15, 2021 to introduce the full draft GSP and to provide additional SGMA and GSP-related information to the public.
 - Ongoing public outreach efforts, including website updates, social media updates, and presentations and updates at various agency meetings and workshops took place
 - 10/13/2021 Public Meeting (see meeting materials in **Appendix B**)
 - 10/15/2021 Public Meeting (see meeting materials in **Appendix B**)

The Administrative Record continues to be updated and shared with the GSA Boards at their monthly meetings

- Impediments to Completion of Task
 - None

- Describe activities that negatively or positively impacted the schedule and/or budget.
 - None.

Budget Category (c): GSP Development

** Please note that there is one out-of-period invoice beginning in July 2020 from Woodard and Curran included in this report and on the attached invoice.*

Appendix B contains presentations from GSA Board and TAC meetings that contain information about the progress of GSP development.

Coordination

During this reporting period, CGA Staff, GGA Staff and the Consultant team participated in regular project update phone meetings. These meetings are scheduled every two weeks or as needed.

Interbasin Coordination

The Consultant Team participated in the October Northern California Water Association (NCWA) interbasin coordination meeting, and supplied geospatial information for the Colusa Subbasin monitoring network to support coordinated mapping of monitoring networks throughout the Sacramento Valley.

Sustainable Management Criteria

Revisions to the land subsidence sustainable management criteria (SMCs) were presented to and adopted by the Colusa Groundwater Authority (CGA) and Glenn Groundwater Authority (GGA) boards in October. The revisions adopted by both GSAs were folded into the final GSP in November.

Projects and Management Actions

The Consultant Team received information about a newly proposed recharge program in Reclamation District 108 and began to update the list of GSP projects and management actions.

Well Monitoring Pilot Program

Ranch Systems, the monitoring equipment vendor, presented and demonstrated the well monitoring system at a joint CGA/GGA Board meeting held on October 7. Questions remain on the best way to consolidate and share the data collected. In October, the Consultant Team communicated with Ranch Systems and drafted a memo and budget discussing options and incremental costs for expanding the Well Monitoring Pilot Program (WMPP) using available grant funding. The Consultant Team is working with GSA Staff to develop a grant amendment request that, among other things, would provide additional funding for the expansion of the WMPP.

Data Management System

Outstanding tasks needed to complete the Data Management System (DMS) portion of the grant project were revisited in October. The Consultant Team prepared a draft task outline for the recommended DMS work and outlined potential synergies with the development of the GSP Annual Report.

Public Outreach

Public outreach was conducted through two public meetings held October 13 (virtual) and October 15 (in-person). At each meeting, the Consultant Team and staff provided an overview of the draft GSP and provided an opportunity for the public and stakeholders to ask questions and provide input on the draft GSP and GSP development process.

GSP Document Preparation

Comments on the final Draft GSP were accepted through October 31, 2022. The GSP was revised based on comments received and the final GSP was prepared.

Updates on All Tasks (activities accomplished during the reporting period)

- Milestones or Deliverables Completed/Submitted
 - Final draft Sustainable Management Criteria for Land Subsidence was re-defined and approved by CGA and GGA Boards
 - Comments on the final Draft GSP were accepted through October 31, 2022.
 - Planning and public outreach was initiated, and two public meetings were held in October about the draft GSP
 - Public noticing was submitted to local media regarding public hearings for GSP adoption
 - Public Hearings were held by the GSAs and the Colusa Subbasin GSP was adopted in December, 2021
- Impediments to Completion of Task
 - None
- Describe activities that negatively or positively impacted the schedule and/or budget.
 - Much greater effort than anticipated has been necessary for developing Sustainable Management Criteria and defining Projects and Management actions, including multiple Joint TAC meetings. Greater expenses than initially planned have also been realized for Task (d), the Well Monitoring Pilot Program. Some budget adjustments will be necessary and GSA Staff have been working on a Grant Amendment request.

2. Major activities for next reporting period:

The next Quarterly Progress Report will cover the period of January 1-March 31, 2022. We anticipate the following activities:

- Quarterly Progress Report #14 and Prop. 1 and Prop. 68 Invoices will be completed and submitted
- The Colusa Subbasin GSP will be submitted to DWR via the SGMA Portal by the January 31, 2022 deadline
- Work will commence on the first GSP Annual Report
- Ongoing public outreach efforts, including website updates, social media updates, and presentations and updates at various agency meetings and workshops.

Appendix A

Status of Required Deliverables

TABLE 1: CATEGORY A: GRANT ADMINISTRATION				
Budget Category Work Item#	Budget Category Work Items for Review	Estimated Due Date	% Of Work Complete	Date Submitted
1	Executed Grant Agreement and Amendment(s) (if necessary)	12/31/2021	90	10/29/2018
2	Quarterly Progress Reports and invoices with all required backup documentation	4/29/2022	85 (12 of 14)	
3	Environmental Information Form	6/4/2018	100	6/4/2018
4	Draft Grant Completion Report	4/29/2022	0	
5	Final Grant Completion Report	7/29/2022	0	

TABLE 2: CATEGORY B: STAKEHOLDER OUTREACH AND COMMUNICATION				
Budget Category Work Item#	Budget Category Work Items for Review	Estimated Due Date <small>*Note new due date</small>	% Of Work Complete	Date Submitted
1	Public Outreach Plan	9/13/2021	100	1/28/2022
2	Meeting Summaries included as attachments in the Quarterly Progress Report	4/29/2022	85	

TABLE 3: CATEGORY C: GSP DEVELOPMENT				
Budget Category Work Item#	Budget Category Work Items for Review	Estimated Due Date <small>*Note new due dates</small>	% Of Work Complete	Date Submitted
c) Task 1	Data Collection and Analysis	9/13/2021	100	1/28/2022
c) Task 2	Integrated Hydrologic Modelling	9/13/2021	100	1/28/2022
c) Task 3	Monitoring Protocols	9/13/2021	100	1/28/2022
c) Task 4	Data and Reporting Standards	9/13/2021	100	1/28/2022
c) Task 5	Data Management System	9/13/2021	80	
c) Task 6	GSP Administrative Information	9/13/2021	100	1/28/2022

TABLE 3: CATEGORY C: GSP DEVELOPMENT				
Budget Category Work Item#	Budget Category Work Items for Review	Estimated Due Date *Note new due dates	% Of Work Complete	Date Submitted
c) Task 7	Basin Setting	9/13/2021	100	1/28/2022
c) Task 8	Sustainable Management Criteria	9/13/2021	100	1/28/2022
c) Task 9	Monitoring Network	9/13/2021	100	1/28/2022
c) Task 10	Projects and Management Actions	9/13/2021	100	1/28/2022
c) Task 11	Draft GSP	11/30/2021	100	1/28/2022
c) Task 12	Proof of Final GSP submittal to DWR	1/31/2022	0	

TABLE 4: CATEGORY D: MONITORING AND ASSESSMENT				
Budget Category Work Item#	Budget Category Work Items for Review	Estimated Due Date	% Of Work Complete	Date Submitted
c) Task 1	Well Monitoring Pilot Program	4/30/2022	75	

Appendix B

Stakeholder Outreach and Coordination Documentation

Agendas and presentations are attached from the following meetings:

- 10/13/2021 and 10/15/2021 Public Meetings Press Release
- 10/13/2021 and 10/15/2021 Public Meetings Flyer (English)
- 10/13/2021 and 10/15/2021 Public Meetings Flyer (Spanish)
- 10/13/2021 and 10/15/2021 Meeting Agenda
- 10/13/2021 and 10/15/2021 Presentation
- Notice of Two Public Hearings (CGA)
- 12/13/2021 and 12/14/2021 Meeting Agendas



FOR IMMEDIATE RELEASE

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PUBLIC MEETINGS GROUNDWATER SUSTAINABILITY PLAN – PUBLIC DRAFT REVIEW

The Colusa Groundwater Authority (CGA) and Glenn Groundwater Authority (GGA) (Agencies) will host a virtual meeting on October 13 and an in-person meeting on October 15 to discuss the Agencies' release of the Public Draft Groundwater Sustainability Plan (GSP) for the Colusa Subbasin. The content of these meetings will be the same.

Against the backdrop of the last and current critical drought, the California Legislature passed and has required implementation of the Sustainable Groundwater Management Act (SGMA). Under SGMA, the Agencies are required to prepare a GSP for the Colusa Subbasin. The GSP defines what the Agencies will do for the next 20 years to protect the subbasins and ensure groundwater is sustainable. The Agencies have opted to prepare a single, joint GSP for the entire Colusa Subbasin. Prior public events have provided stakeholders the opportunity to learn about and comment on SGMA and the draft GSP chapters. These upcoming meetings will engage the public about the entire draft GSP. Agency representatives will provide an overview of the information in each chapter of the GSP, will outline methods for the public to provide focused input and will provide the public time to ask questions about GSP content.

Colusa County Supervisor and CGA Board Chair Denise Carter said "We're at the culmination of a long process and on the cusp of implementing projects that will better monitor and enhance our groundwater. These meetings and the public comment period are a critical opportunity for stakeholders to give their input to the CGA and GGA before we approve the GSP and submit it to the State. I encourage every affected groundwater user in the subbasin to attend one of these meetings, review the plan and give us your feedback."

Similarly, City of Willows Vice Mayor and GGA Vice Chair Gary Hansen said "As the CGA and GGA Chairpersons noted in their recent Op-Ed, our aquifers provide an essential safety net for our water availability but that safety net is only as good as the tools we create to support it. Our GSP does that and we need public input to confirm if we've done it the right way".

MEETING INFORMATION

Virtual Meeting

October 13, 2021

1:00 pm – 3:30 pm

Join Zoom Meeting

<https://csus.zoom.us/j/82287631584?pwd=eW1lNGF6aThSOUVwQ3M2e>

[khjQ1Qrdz09&from=addon](https://csus.zoom.us/j/82287631584?pwd=eW1lNGF6aThSOUVwQ3M2e)

Meeting ID: 822 8763 1584

Passcode: 877000 One tap mobile

+16699006833,,82287631584#,,,,*877000#

(Not a Toll Free number)

In-Person Meeting

October 15, 2021

5:30 p.m. – 8:00 p.m.

Sites Project Authority Office
122 Old Hwy 99W
Maxwell, CA



Colusa Subbasin SGMA-Series Groundwater Sustainability Plan-Public Draft Review October Public Meetings

Co-Hosted by:

**Colusa Groundwater Authority and Glenn Groundwater Authority
Groundwater Sustainability Agencies**

When and Where

Virtual Meeting

October 13, 2021

1:00 pm – 3:30 pm

Join Zoom Meeting

<https://csus.zoom.us/j/82287631584?pwd=eW1INGF6aThSOUVwQ3M2ekhjQ1Qrdz09&from=addon>

Meeting ID: 822 8763 1584 - Passcode: 877000 One tap mobile
+16699006833,,82287631584#,,,,*877000#

(Not a Toll Free number)

In-Person Meeting

October 15, 2021

5:30 p.m. – 8:00 p.m.

Sites Project Authority

122 Old Hwy 99W

Maxwell, CA 95955

For More Information Contact

Mary Fahey

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OR

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<https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority>

LEARN and GIVE FEEDBACK

About the Sustainable Groundwater Management Act, the Public Draft Groundwater Sustainability Plan for the Colusa Subbasin, and methods to submit comments to the Groundwater Authorities



Serie SGMA de la Subcuenca de Colusa

Plan de Sostenibilidad del Agua Subterránea - Revisión Pública del Borrador

Reuniones Públicas de Octubre

Co-patrocinado por:

La Autoridad de Agua Subterránea de Colusa y la Autoridad de Agua
Subterránea de Glenn

Agencias de Sostenibilidad del Agua Subterránea

Dónde y Cuándo

Reunión Virtual

13 de Octubre, 2021

1:00 p.m. - 3:30 p.m.

Únase a la Reunión de Zoom

[https://csus.zoom.us/j/82287631584?pwd=eW1INGF6aThSOU
VwQ3M2ekhjQ1Qrdz09&from=addon](https://csus.zoom.us/j/82287631584?pwd=eW1INGF6aThSOUVwQ3M2ekhjQ1Qrdz09&from=addon)

ID de la Reunión: 822 8763 1584 - Código de acceso: 877000

One tap mobile +16699006833,,82287631584#,,,,*877000#

(No es un Número Gratuito)

Reunión Presencial

15 de Octubre, 2021

De 5:30 p.m. a 8:00 p.m.

Autoridad de Sitios del Proyecto

122 Old Hwy 99W

Maxwell, CA 95955

Para más información, póngase en contacto con

Mary Fahey

Directora del Proyecto

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Directora del Proyecto

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530-934-6540

[https://www.countyofglenn.net/dept/planning-
community-development-services/water-
resources/glenn-groundwater-authority](https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority)

APRENDA y DÉ SU OPINIÓN

Acerca de la Ley de Gestión Sostenible del Agua Subterránea, el Borrador Público del Plan de Sostenibilidad del Agua Subterránea para la Subcuenca de Colusa, y los métodos para presentar comentarios a las Autoridades del Agua Subterránea



**Colusa Groundwater Authority and Glenn Groundwater Authority
SGMA-Series Public Meetings
Virtual Meeting**

**October 13, 2021
1:00 pm – 3:30 pm
Join Zoom Meeting**

<https://csus.zoom.us/j/82287631584?pwd=eW1INGF6aThSOUVwQ3M2ekhjQ1Qrdz09&from=addon>

Meeting ID: 822 8763 1584 - Passcode: 877000 One tap mobile
+16699006833,,82287631584#,,,,*877000#
(Not a Toll Free number)

Also Available on Facebook Live

- 1:00*** **Welcome and Introductions** (Chair, Glenn Groundwater Authority)
- 1:05** **Agenda Review and Logistics** (Dave Ceppos, Facilitator – Sacramento State)
- 1:10** **Sustainable Groundwater Management Act Overview** (Facilitator)
- 1:20** **Public Review Draft Groundwater Sustainability Plan (GSP) Overview** – (Grant Davids, Davids Engineering, Inc.)
- History of GSP Development and Public Comment Process
 - GSP Status and Document Structure
 - Public Input Options
- 1:35** **Public Draft GSP Chapter Review and Public Input Opportunities** (Consultant Team)
- Background (Chapters 1,2 and 8) – Executive Summary, Introduction, Plan Area, References, Appendices (Grant Davids)
 - Basin Setting, Monitoring Network, Sustainable Management Criteria (Ken Loy, West Yost Associates)
 - Chapter 3
 - Chapter 4
 - Chapter 5
 - Projects and Management Actions, and Plan Implementation (Grant Davids)
 - Chapter 6
 - Chapter 7
- 2:15** **Public Comment / Question and Answer Session**
- 3:25** **Next Steps / Schedule Review**
- 3:30** **Adjourn**

*All times are approximate



**Colusa Groundwater Authority and Glenn Groundwater Authority
SGMA-Series Public Meetings
In-Person Meeting**

**October 15, 2021
5:30 p.m. – 8:00 p.m.
Sites Project Authority Office
122 Old Hwy 99W
Maxwell, CA 95955**

- 5:30*** **Welcome and Introductions** (Chair, Colusa Groundwater Authority)
- 5:35** **Agenda Review and Logistics** (Dave Ceppos, Facilitator – Sacramento State)
- 5:40** **Sustainable Groundwater Management Act Overview** (Facilitator)
- 5:50** **Public Review Draft Groundwater Sustainability Plan (GSP) Overview** – (Grant Davids, Davids Engineering, Inc.)
- History of GSP Development and Public Comment Process
 - GSP Status and Document Structure
 - Public Input Options
- 6:05** **Public Draft GSP Chapter Review and Public Input Opportunities** (Consultant Team)
- Background (Chapters 1,2 and 8) – Executive Summary, Introduction, Plan Area, References, Appendices (Grant Davids)
 - Basin Setting, Monitoring Network, Sustainable Management Criteria (Ken Loy, West Yost Associates)
 - Chapter 3
 - Chapter 4
 - Chapter 5
 - Projects and Management Actions, and Plan Implementation (Grant Davids)
 - Chapter 6
 - Chapter 7
- 6:45** **Public Comment / Question and Answer Session**
- 7:55** **Next Steps / Schedule Review**
- 8:00** **Adjourn**

*All times are approximate



Groundwater Sustainability Plan Public Draft Review Public Outreach Meetings

October 13, 2021, 1:00 – 3:30 pm
October 15, 2021, 5:30 – 8:00 pm



Opening Remarks

October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

2

Meeting Agenda

Dave Ceppos
Consensus and
Collaboration Program
CSU - Sacramento

1. **Overview**
 - Sustainable Groundwater Management Act (SGMA)
 - Groundwater Sustainability Plan (GSP) Preparation
 - Making Public Comments
2. **GSP Schedule and Informative/Supporting Materials**
3. **Chapters 3-5**
 - Basin Setting
 - Monitoring Networks
 - Sustainable Management Criteria (SMC)
4. **Chapter 6-7:**
 - Projects & Management Actions (PMA)
 - Plan Implementation
5. **Questions and Answers**

3

Groundwater Sustainability Plan (GSP) Preparation

In response to the 2014 Sustainable Groundwater Management Act (SGMA), the GSP is being prepared by the Colusa Groundwater Authority (CGA), the Glenn Groundwater Authority (GGA) and their member agencies.

GSP is a roadmap for how groundwater will be managed over the next two decades.

GSP describes groundwater conditions and how groundwater management will avoid adverse impacts to beneficial users, including domestic, municipal, tribal, agricultural, industrial, and environmental uses.

Avoiding adverse impacts is based on the evaluation of 6 Sustainability Indicators:



Note: Seawater intrusion was determined to be not applicable in the Colusa Subbasin.



October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

4

Making Public Comments

The Draft GSP is available for public review and comment through October 31, 2021.

CGA Website:
<https://colusagroundwater.org/projects/groundwater-sustainability-plan/>

GGA Website:
<https://www.countyofglenn.net/water-resources/colusa-subbasin-groundwater-sustainability-plan-public-review-draft>



October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

5

GSP Schedule

GSP Chapter/Activity	Activity Start Date	Activity End Date	Activity Duration (days)
Chapter 1 – Introduction			
Chapter 2 – Plan Area			
Chapter 3 – Basin Setting	4/7/2021	5/5/2021	28
Chapter 4 – Monitoring Networks			
Chapter 5 – Sustainable Management Criteria			
Chapter 6 – Projects and Management Actions	7/16/2021	8/13/2021	28
Chapter 7 – Plan Implementation			
Chapter 8 – References and Technical Studies			
Executive Summary	9/13/2021	10/31/2021	48
Complete Draft GSP			
Complete Final GSP	11/1/2021	11/30/2021	30
GSP Adoption by Agencies and Submittal to DWR	12/1/2021	1/31/2022	62

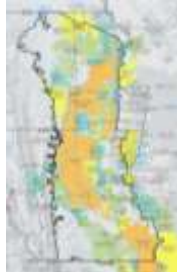
October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

6

GSP Introductory and Supporting Materials

- Preface
 - Addresses current drought
- Executive Summary
- Chapter 1: Introduction
 - Purpose of the GSP
 - Sustainability Goal
 - Agency Information
- Chapter 2: Plan Area
 - Jurisdictional Boundaries
 - Water Resources Monitoring and Management Programs
 - Land Use
 - Notice and Communication
- Chapter 8: References and Technical Studies
- Appendices



October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

7

Chapter 3: Basin Setting Chapter 4: Monitoring Networks Chapter 5: Sustainable Management Criteria

Ken Loy PG, CEG, CHG
West Yost

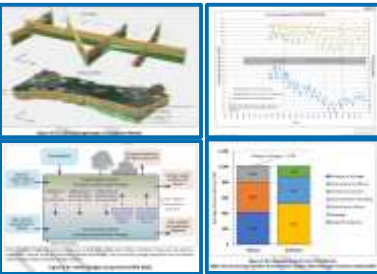
October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

8

GSP Chapter 3—Basin Setting

- Hydrogeologic Conceptual Model (HCM)
 - Depicting surface and subsurface features
- Existing and Historical Groundwater Conditions
- Water Budget Information



October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

9

GSP Chapter 4—Monitoring Networks

- Groundwater Level Monitoring
- Groundwater Quality Monitoring
- Land Subsidence Monitoring
- Surface Water Monitoring

Collaborating with a variety of other agencies to collect and share data.



October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

10

GSP Chapter 5 – Sustainable Management Criteria (SMC)

Sustainability Indicators

1. Chronic Lowering of Groundwater Levels
2. Reduction of Groundwater Storage
3. Seawater Intrusion*
4. Degraded Water Quality
5. Land Subsidence
6. Depletions of Interconnected Surface Water



* Seawater Intrusion was assessed and determined to be not applicable; undesirable results are not occurring and are unlikely to occur in the Colusa Subbasin.

October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

11

Chapter 5 – Sustainable Management Criteria (SMC)

SMC Definition of Terms

- Minimum Thresholds (MT)
 - Level to Avoid
- Measurable Objectives (MO)
 - Goal
- Undesirable Results (UR)
 - Condition in which the basin is not sustainable
- SMC are set for each applicable Sustainability Indicator



Note: Seawater intrusion is not applicable to the Colusa Subbasin.

Undesirable Results

"The description of undesirable results...shall be based on a quantitative description of the combination of minimum threshold exceedances that cause significant and unreasonable effects in the basin."

October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

12

SMC Development Approach

- 13 publicly-noticed meetings of Technical Advisory Committees appointed by the Colusa and Glenn Groundwater Authorities over 14 months
 - "Joint TAC" meetings usually 3 hours long
- Supporting technical analyses and guidance from the GSP Consultant Team
- TAC recommendations to the CGA and GGA Boards
- Adoption by respective Boards
- Robust, inclusive process

October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

13

Summary of Sustainable Management Criteria

Sustainability Indicator	Monitoring Network	Undesirable Result	Minimum Threshold	Measurable Objective
Chronic Lowering of Groundwater Levels	48 Representative Monitoring Network (RMM) wells monitored at least 2-3 times annually by DWR	25% (13 of 48 RMM wells) fall continuously below the minimum threshold for 24 consecutive months	The lower of 50% of measured historical groundwater elevation range below the historical measured low elevation and the elevation corresponding to the 20th percentile of domestic well depths in the RMM well's Thiessen polygon, subject to inter-basin coordination and consistency to ensure operational compatibility	Mean of last 5 years available groundwater elevation measurements subject to inter-basin coordination and consistency to ensure operational compatibility. A Flood-virus, not a rolling average.
Reduction in Groundwater Storage	48 RMM wells monitored at least 2-3 times annually by DWR (same as Groundwater level monitoring network)	Use groundwater levels as proxy	Use groundwater levels as proxy	Use groundwater levels as proxy
Degraded Groundwater Quality	23 RMM wells monitored by others at variable intervals under existing State of California regulatory programs.	Electrical conductivity (EC) in 50% (6 of 23) of the RMM wells exceed the Minimum Threshold for two (2) consecutive years.	The higher of EC of 900 µS/cm (the recommended California Secondary Maximum Contaminant Level) OR the pre-2015 historical maximum measured EC.	EC of 700 µS/cm (corresponding to an agricultural water quality objective providing for no yield reduction for crops commonly grown in the Colusa Subbasin)
Land Subsidence	Existing Sacramento Valley might Modernization Program (Primary benchmarks) (S3 table)	A percentage of monitoring well benchmarks experienced subsidence greater than 0.50 feet	0.50 feet per five-year period.	0.25 feet per five-year period.
Depletion of Interconnected Surface Waters	12 RMM wells less than 200 feet deep and between 2,000 feet and five miles of interconnected stream Sacramento River, Colusa Basin Drain, Sycam Creek	25% (3 of 12 RMM wells) fall below their MT for 24 consecutive months.	Two (2) feet below the observed fall 2015 groundwater level. (Fall 2015 level is the measured elevation recorded on the date closest to Oct 15.)	Mean of last 5 years available groundwater elevation measurements subject to inter-basin coordination and consistency to ensure operational compatibility. A Flood-virus, not a rolling average.

¹⁰ The percentage of benchmarks with MT excursions triggering an undesirable result for land subsidence is under development.

October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

14

Chapter 6: Projects and Management Actions Chapter 7: Plan Implementation

Grant Davids, PE
Davids Engineering

October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

15

Chapter 6: Projects and Management Actions (PMAs)

- PMAs describe what needs to be done to achieve sustainable management of the Colusa Subbasin by 2042 and maintain sustainability thereafter
- Uncertain future calls for an adaptive management approach
- Current *actual* drought is more compelling than *modeled* future sustainability challenges
- PMAs cast in GSP as being more aligned with near-term drought mitigation, recognizing that they will contribute to long-term sustainable groundwater management
- Thirty-four (34) PMAs described in the GSP:
 - Five (5) **Planned PMAs**: identified project proponents, "on track for implementation"
 - Six (6) **Ongoing PMAs**: existing PMAs that could be continued and/or expanded
 - Twenty-three (23) **Potential PMAs**: various stages of piloting and conceptual development

October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

16

Planned PMAs

- Colusa Subbasin Multi-Benefit Groundwater Recharge
- Sycamore Slough Groundwater Recharge Pilot Project
- Orland-Artois Water District Land Annexation and Groundwater Recharge
- Colusa County Water District In-Lieu Groundwater Recharge
- Colusa Drain Mutual Water Company In-Lieu Groundwater Recharge



October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

17

Adding and Implementing PMAs

- PMAs can be added anytime
 - January 31, 2022, is the starting line, not the finish line
- PMA Proponents
 - Colusa and Glenn Groundwater Authorities (either separately or together)
 - Existing and potential newly-formed districts
 - Landowners/coalitions of landowners
 - Cities and counties
 - IRWM groups
 - Interested parties
 - State and federal agencies (potential PMA partners)
 - Collaborative combinations of the above**

October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

18

Chapter 7: Plan Implementation

- Describes the schedule and costs to implement the GSP over the first 5 years
- Two cost categories
 - GSA Costs – GSP admin, GSP annual reports and 5-year evaluations, studies (14) to fill various data gaps and update/maintain analytic tools
 - PMA Costs – Specific to the five (5) identified planned projects; how costs will be shared remains to be determined
- Potential financing and funding mechanisms
 - Grants and low-interest loans
 - Groundwater extraction charge (e.g., fee per acre-foot pumped)
 - Other fees and charges (e.g., new well permitting fees)
 - Assessments (e.g., per acre or per parcel)
 - Taxes (e.g., general or special taxes)

October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

19

Public Review of Draft Groundwater Sustainability Plan

- Download and comment on Colusa Subbasin Public Draft
 - <https://colusagroundwater.org/projects/groundwater-sustainability-plan/>
 - <https://www.countyofglenn.net/water-resources/colusa-subbasin-groundwater-sustainability-plan-public-review-draft>
- Comments due October 31, 2021
- Questions and additional information?

Mary Fahey
Program Manager
Colusa Groundwater Authority
530.458.0891 office
mfahey@countyofcolusa.org

Lisa Hunter
Program Manager
Glenn Groundwater Authority
530.934.6540 office
lhunter@countyofglenn.net

October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

20

Questions and Answers

October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

21

Closing Remarks

October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

22

Parking Lot

October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

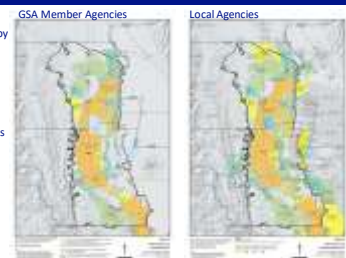
23

GSA Member and Local Agency Boundaries

Local agency boundary files provided by California Department of Water Resources

Monroeville Water District boundaries provided by Glenn County

Where boundaries of multiple agencies overlap, only one boundary is shown.



October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

24

Water Quality Representative Monitoring Network (RMN)

Water quality RMN incorporates results from existing monitoring and reporting programs. Focuses on mobilization of saline water



October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

25

Surface Water Depletions Representative Monitoring Network (RMN)

Groundwater levels used as a proxy for assessing depletions of interconnected surface water. RMN uses wells less than 200 feet deep within 2,000 feet and five miles of streams



October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

26

Land Subsidence Representative Monitoring Network

Sacramento Valley Subsidence Network within the Colusa Subbasin

- 63 benchmarks in the Colusa Subbasin
- 60 benchmarks consistently surveyed historically
- Land Subsidence SMC are based on 2008 through 2017 survey results



October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

27

Colusa Subbasin GSP Implementation Schedule

Task Name	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
Plan Implementation																					
GSP Submittal to DWR/ MOU	X																				
Reports (Annual and 5-Year)	A	A	A	A	A	S	A	A	A	A	S	A	A	A	A	S	A	A	A	A	S
Outreach and Communication																					
Monitoring and DMS																					
GSP Studies																					
Planned Projects and Management Actions																					
Colusa Subbasin Multi-Benefit Groundwater Recharge																					
OAWD District Land Annexation and In-Lieu Groundwater Recharge																					
Sycamore Slough Groundwater Recharge Pilot Project																					
CCWD In-Lieu Groundwater Recharge																					
Colusa Drain MWC In-Lieu Groundwater Recharge																					
Legend																					
Submittal	X	Reports	Annual 5-Year	A	Planning and Development		Implementation		Ongoing Activity												

October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

28

Colusa Subbasin GSP Implementation Schedule

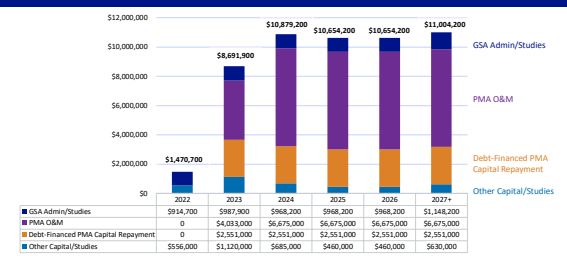
Task Name	2022	2023	2024	2025	2026	2027
Plan Implementation						
GSP Submittal to DWR/ MOU	X					
Reports (Annual and 5-Year)	A	A	A	A	A	S
Outreach and Communication						
Monitoring and DMS						
GSP Studies						
Planned Projects and Management Actions						
Colusa Subbasin Multi-Benefit Groundwater Recharge						
OAWD District Land Annexation and In-Lieu Groundwater Recharge						
Sycamore Slough Groundwater Recharge Pilot Project						
CCWD In-Lieu Groundwater Recharge						
Colusa Drain MWC In-Lieu Groundwater Recharge						
Legend						
Submittal	X	Reports	Annual 5-Year	A	Planning and Development	
					Implementation	
						Ongoing Activity

October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

29

Total Estimated Cost Summary of GSP Implementation

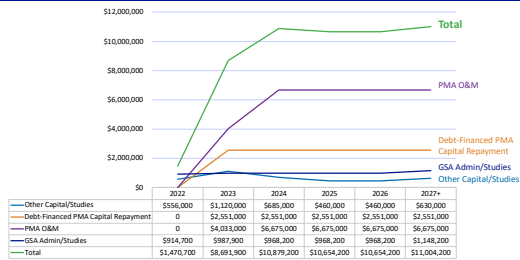


October 13/15, 2021

Colusa Subbasin GSP | Public Draft Review - Public Outreach Meetings

30

Total Estimated Cost Summary of GSP Implementation



Drought Effects and Primary Affected Areas

- Drought effects
 - Reduced precipitation
 - Reduced surface water supplies
 - Increased irrigation demands
 - Increased groundwater pumping
 - Declining GW levels
- Primary affected areas
 - NW area of the Glenn County portion of the subbasin
 - SW area of the Colusa County portion of the subbasin



34 Projects and Management Actions in Draft GSP Chapter 6

- Planned PMAs (5)**
 - Project proponents working to implement at this time
 - Detailed descriptions
- Ongoing PMAs (6)**
 - Existing projects that are temporary and could be continued, or are limited in scope and could be expanded
 - Summary descriptions
- Potential PMAs (23)**
 - Conceptual
 - Will be evaluated and developed further based on monitoring of PMA performance and groundwater conditions
 - Summary descriptions

Planned PMAs (5)

- Colusa Subbasin Multi-Benefit Groundwater Recharge
- Sycamore Slough Groundwater Recharge Pilot Project
- Orland-Artois Water District Land Annexation and Groundwater Recharge
- Colusa County Water District In-Lieu Groundwater Recharge
- Colusa Drain Mutual Water Company In-Lieu Groundwater Recharge



Ongoing and Potential PMAs

- Ongoing PMAs**
 - 5 projects
 - 1 management action
- Potential PMAs**
 - 15 projects
 - 7 management actions
- Described in draft Chapter 6

Colusa Subbasin GSP Implementation Schedule

Task Name	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Pre-Implementation											
GSP Submission to DWR/MSJ	X										
Reports (Annual and 5-Year)	A	A	A	A	A	S	A	A	A	A	S
Outreach and Communication											
Monitoring and DMS											
GSP Studies											
Planned Projects and Management Actions											
Colusa Subbasin Multi-Benefit Groundwater Recharge											
DAWD District Land Annexation and In-Lieu Groundwater Recharge											
Sycamore Slough Groundwater Recharge Pilot Project											
COWD In-Lieu Groundwater Recharge											
Colusa Drain MWC In-Lieu Groundwater Recharge											

Legend	
Submital	X
Reports	A
Annual 5-Year	S
Planning and Development	
Implementation	
Ongoing Activity	

In-Lieu Recharge Projects Are Compelling

- **Advantages**
 - Rely primarily on existing infrastructure
 - No new authorities required
 - Scalable based on monitoring of groundwater conditions
- **Challenges**
 - Availability and cost of supplemental surface water via transfers
 - Making surface water use more attractive than groundwater use

to transact business under the name or names listed above on:

ed with the County Clerk of Colusa ed above. I hereby certify that the copy of the original on file in my

Clerk-Recorder
12/09/2021 - CCPR #2021-5211

S BUSINESS NAME

2. 2021-0000146
d: November 10, 2021
ersons are doing business as:

MA BROTHERS
ARBUCKLE, CA 95912
ARBUCKLE, CA 95912
S.D.
ST., ARBUCKLE, CA 95912
IETH C.
D., ARBUCKLE, CA 95912
cted by a General Partnership.
need to transact business under
name or names listed above on:

ed with the County Clerk of Colusa ed above. I hereby certify that the copy of the original on file in my

Clerk-Recorder
12/09/2021 - CCPR #2021-5213

LEGAL NOTICE

ON DISTRICT NO. 108
FT NOTICE
VAILABILITY

RAMENTO VALLEY
TER MANAGEMENT PLAN

BY GIVEN THAT Reclamation 08) proposed 2017 SACRAMENTO WATER MANAGEMENT PLAN pursuant to The Central Valley 992 (CVPLA) and Section 210(b) of the Act of 1982 is now available for RD108 office, 975 Wilson Bend 9950 and online at www.gcid.net. the proposed plan will be received the RD108 Board of Trustees until the RD108 Office, 975 Wilson Bend 950. RD108 will receive comments rovided address or to rd108.rdl08.

COLUSA GROUNDWATER AUTHORITY
NOTICE OF TWO
PUBLIC HEARINGS
Colusa Groundwater Authority will conduct two public hearings on Monday, December 13, 2021 at 9:00 a.m.

On Monday, December 13, 2021, the Colusa Groundwater Authority (CGA) Board of Directors will hold two Public Hearings at the Colusa Industrial Properties Conference Room, 100 Sunrise Blvd, Colusa, CA 95932, to receive public comment on (i) the final draft of the Colusa Subbasin Groundwater Sustainability Plan (the "Colusa GSP") and, (ii) the Butte Subbasin Groundwater Sustainability Plan (the "Butte GSP").

9:00 a.m. Public Hearing 1: Receive Public Comments on Final Draft Colusa Subbasin Groundwater Sustainability Plan. The full draft Colusa GSP was released for public comment on September 13, 2021, with the public comment period ending on October 31, 2021. After the close of Public Hearing 1, the CGA Board will consider whether any changes to the Final Colusa GSP are necessary or appropriate based on all of the public comments submitted prior to the hearing and presented during Public Hearing 1. More information can be found on the Colusa Groundwater Authority website: www.colusagroundwater.org

Following the Conclusion of Public Hearing 1, Public Hearing 2: Receive Public Comments on Final Draft Butte Subbasin GSP. As the Groundwater Sustainability Agency for the portion of the Butte Subbasin situated within its boundaries, the CGA is working with other GSAs in the Butte Subbasin under a Cooperation Agreement to develop the Butte GSP. The full draft Butte GSP was released for public comment on September 7, 2021, with the public comment period ending on October 31, 2021. After the close of Public Hearing 2, the CGA Board will consider whether any changes to the Final Butte GSP are necessary or appropriate based on all of the public comments submitted prior to the hearing and presented during Public Hearing 2. More information can be found on the Butte Subbasin website: www.buttebasingroundwater.org. The CGA Board is expected to consider adopting the Final Colusa GSP and the Final Butte GSP at its December 13, 2021 meeting, which will take place immediately following the Hearings, and authorizing submittal of both GSPs to the Department of Water Resources for review.

In compliance with the Americans with Disabilities Act, if you need disability related modifications or accommodations to participate in these public hearings, please call 530-458-0891 by 5:00 p.m. on the Friday prior to the Public Hearing.

12/02/2021 - CCPR #2021-5230

AUTOS WANTED

DONATE YOUR CAR, BOAT OR RV TO HELP HOMELESS PETS. PETS ALIVE IS A CALIFORNIA, 501-C-3 NONPROFIT. GUARANTEED TAX DEDUCTIONS. PAPERWORK EXPERTS, FREE

/s/ Owen Bergth, Owner
This statement was filed with the County Clerk of Colusa County on date stamped above. I hereby certify that the foregoing is a correct copy of the original on file in my office.
/s/ Rose Gallo-Vasquez, Clerk-Recorder
12/02, 12/09, 12/16, 12/23/2021 - CCPR #2021-5249

FICTITIOUS BUSINESS NAME

FILE NO. 2021-0000133
Date filed: October 28, 2021

The following persons are doing business as:

BLISS & BARREL EVENTS

Business Address:
1173 5TH STREET, COLUSA, CA 95932
Mailing Address:
1173 5TH STREET, COLUSA, CA 95932
Name of Registrant(s):
L. FONTANA, MELISSA

1173 5TH STREET, COLUSA, CA 95932
This business is conducted by an individual. The registrant commenced to transact business under the fictitious business name or names listed above on: N/A.
/s/ Melissa Fontana

This statement was filed with the County Clerk of Colusa County on date stamped above. I hereby certify that the foregoing is a correct copy of the original on file in my office.
/s/ Rose Gallo-Vasquez, Clerk-Recorder
12/02, 12/09, 12/16, 12/23/2021 - CCPR #2021-5250

LEGAL NOTICE

COUNTY OF COLUSA
NOTICE OF POTENTIAL
ORDINANCE PASSAGE

NOTICE IS HEREBY GIVEN THAT at a regular meeting of the Colusa County Board of Supervisors on December 14, 2021, at 11:00 a.m. in the Board Chambers located at 546 Jay Street, Suite 108, Colusa, CA, the Board will consider passage of a proposed Ordinance as follows:

ORDINANCE SUMMARY

The proposed Ordinance of the Board of Supervisors will Establish the New Boundaries of the Five Supervisorial Districts of the County of Colusa and Amend Chapter 2, Article X, of the Colusa County Code.

All documentation including the complete text of the Ordinance is available for review in the Office of the Clerk of the Board. If you have questions or concerns regarding this matter, or would like to submit comments you may do so to the following: Clerk to the Board of Supervisors, 547 Market Street, Ste. 102, Colusa, CA (530)458-0508, or by e-mail at boardclerk@countyofcolusa.com. All persons are invited to attend and be heard.
Dated: November 29, 2021

**NOTICE OF PUBLIC HEARING FOR ADOPTION OF THE
GROUNDWATER SUSTAINABILITY PLAN BY THE GLENN
GROUNDWATER AUTHORITY IN THE COLUSA SUBBASIN**

Notice is hereby given, pursuant to Water Code section 10728.4 and Government Code section 6066, the Glenn Groundwater Authority shall hold a public hearing both in person at 225 North Tehama Street, Willows, CA 95988, as well as via teleconference on the GoToMeeting platform at 1:30 PM on December 14, 2021 to consider adoption of the Colusa Subbasin Groundwater Sustainability Plan (GSP). The GSP was developed pursuant to the Sustainable Groundwater Management Act (CA Water Code, Section 10720 et seq.) for the Colusa Subbasin (Groundwater Subbasin Number: 5-021.52) and provides information regarding the subbasin geology, hydrology and water supplies; the formation of Groundwater Sustainability Agencies; establishment of sustainable management criteria and monitoring networks; and programs and projects to be developed and implemented to achieve groundwater sustainability by 2042. Comments received prior to and during the public hearing will be considered by the Glenn Groundwater Authority prior to adoption of the proposed GSP. A copy of the Final GSP will be located online by December 4, 2021 at: <https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority>. A printed copy will be available for public review during regular business hours by December 4, 2021 at 225 North Tehama Street, Willows, CA 95988.

Colusa Groundwater Authority Board of Directors

1213 Market Street, Colusa, CA 95932 | 530-458-0891 | www.colusagroundwater.org

MEETING AGENDA

December 13, 2021 | 9:00 a.m.

NOTICE: Pursuant to Government Code section 54953(e) (AB 361), and due to the State of Emergency declared by Governor Newsom on March 4, 2020, this meeting will be conducted by teleconference. The public may attend the meeting and offer public comments by phone, using the call-in number below.

This meeting will be held in-person and via a conference line.

In-person meeting location: Colusa Industrial Properties, 100 Sunrise Blvd., Colusa, CA 95932

Phone-in: 1-800-356-8278

Code: 877875

** Indicates action item*

1. Call To Order and Determination of Quorum

- a. Roll Call of Officers and Alternates
- b. Introductions of others in attendance

2. * Consider Approval of Resolution No. 2021-05 Renewing Use of Remote Teleconference Meetings in Accordance with Government Code Section 54953(e) (must be renewed every 30 days)

3. Approval of Agenda and Minutes

- a. * Approval of Minutes from the November 16, 2021 Board Meeting

4. Period Of Public Comment

At this time, members of the public may address the CGA Board regarding items that are not on the agenda but are of relevance to the CGA. The Board may not act on items not on the agenda.

5. * Approval of Claims

6. Public Hearing – Final Draft Colusa Subbasin Groundwater Sustainability Plan

7. * Consider Adoption of the Colusa Subbasin Groundwater Sustainability Plan and Authorize Submittal of the GSP to the California Department of Water Resources

8. Public Hearing – Final Draft Butte Subbasin Groundwater Sustainability Plan

9. * Consider Adoption of the Butte Subbasin Groundwater Sustainability Plan and Authorize Submittal of the GSP to the California Department of Water Resources

10. * Set 2022 CGA Board Meeting Schedule

11. Member Reports and Comments

12. Items for Upcoming Agenda(s)

13. Next Meeting: TBD

14. Adjourn

A complete agenda packet, including back-up information, is available for inspection during normal business hours at 1213 Market Street, Colusa, CA 95932. The full agenda packet can also be found on the CGA website:

<https://colusagroundwater.org>

In compliance with the Americans with Disability Act, if you require special accommodation to participate in CGA Board or Subcommittee meetings, please contact the Colusa County Water Resources Division at 530-458-0891 prior to any meeting and arrangements will be made to accommodate you.

Glenn Groundwater Authority

Groundwater Sustainability Agency

225 North Tehama Street, Willows, CA 95988 | 530.934.6540

Meeting of the Glenn Groundwater Authority Board of Directors

December 14, 2021 | 1:30 PM

LOCATION: 225 North Tehama Street, Willows, CA 95988

And

Teleconference

The meeting can be accessed via telephone at [+1 \(571\) 317-3122](tel:+15713173122) or by computer, smartphone, or tablet at:

<https://global.gotomeeting.com/join/325875421>

Meeting Access Code: 325-875-421

MEETING AGENDA

1. CALL TO ORDER
2. ROLL CALL
3. AB 361 OPEN MEETINGS: STATE AND LOCAL AGENCIES: TELECONFERENCES
 - a. *Consider approval of Resolution 2021-004 Authorizing Remote Teleconference Meetings in Accordance with Government Code Section 54953 (e)
4. APPROVAL OF MINUTES
 - a. *Approval of meeting minutes from November 8, 2021
 - b. *Approval of special meeting minutes from November 30, 2021
5. PERIOD OF PUBLIC COMMENT

Members of the public are encouraged to address the GGA Board of Directors on items relevant to the GGA. Public comments are limited to no more than 5 minutes. No action may be taken on public comments.
6. STAFF UPDATES
7. FINANCIAL REPORT
 - a. *Review and accept Monthly Activities Report
 - b. *Review and consider approval of claims
8. **1:30 pm** PUBLIC HEARING: ADOPTION OF THE COLUSA SUBBASIN GROUNDWATER SUSTAINABILITY PLAN
 - a. Conduct a Public Hearing to receive public comments on the Colusa Subbasin Groundwater Sustainability Plan
 - b. *Consider adoption of the Colusa Subbasin Groundwater Sustainability Plan
9. *APPROVE AGREEMENT 1178.04 WITH DAVIDS ENGINEERING, INC. FOR PROFESSIONAL SERVICES TO PREPARE AND SUBMIT THE 2022 COLSUA SUBBASIN ANNUAL REPORT PENDING COUNSEL REVIEW AND AUTHORIZE THE CHAIRMAN TO EXECUTE THE AGREEMENT
10. COMMITTEE UPDATES
 - a. Executive Committee
 - i. CGA/GGA Joint Executive Committee

- b. Multi-Benefit Recharge Pilot Project Ad Hoc Committee
- c. Recharge Pilot Project Ad Hoc Committee
- d. Technical Advisory Committee

11. *APPROVAL OF 2022 GGA BOARD MEETING SCHEDULE

12. CLOSED SESSION

Gov't Code §54956.9 – Conference with Legal Counsel – Anticipated or significant exposure to litigation regarding tax refund claims and challenges to previously adopted property related fees.

13. REPORT OUT FROM CLOSED SESSION

14. MEMBER REPORTS AND COMMENTS

15. NEXT MEETING

16. ADJOURN

*Indicates Action Item

A complete agenda packet, including back-up information, is available for public inspection during normal work hours at 225 North Tehama Street, Willows, CA 95988. After posting of this Meeting Agenda, the public may request copies of support information for public agenda items listed.

In compliance with the Americans with Disabilities Act, The Glenn Groundwater Authority will make available to persons with a disability disability-related modification or accommodations. Notification two days prior to the meeting will enable the Glenn Groundwater Authority to make arrangements to provide reasonable accommodations. If requested, this document and other agenda materials can be made available in an alternative format for persons with a disability who are covered by the Americans with Disabilities Act. Contact Lisa Hunter at 530-934-6540.

CERTIFICATION: Pursuant to Government Code §54954.2 the agenda for this meeting was properly posted on or before 1:30 pm on December 11, 2021.

Appendix C

GSP Development Activities

- See presentations under **Appendix B**

Appendix D

Project Photographs (as required)

- None

Appendix E Invoice Projections (Prop. 1)

Project Identification Number:		3860-P01-242				
Calendar Year (CY)	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total Grant Funds per CY	
	Jan. 1 - Mar. 31	Apr. 1 - Jun. 30	Jul. 1 - Sep. 30	Oct. 1 - Dec. 31		
2018				\$ 13,059	\$ 13,059	
2019	\$ 2,822	\$ 10,715	\$ 51,229	\$ 55,592	\$ 120,358	
2020	\$ 20,538	\$ 147,533	\$ 70,427	\$ 112,507	\$ 351,005	
2021	\$ 231,205	\$ 213,997	\$ 18,429	\$ 51,947	\$ 515,578	
2022	\$ -	\$ -	\$ -	\$ -	\$ -	
2023	\$ -	\$ -	\$ -	\$ -	\$ -	
				PROJECT TOTAL:	\$ 1,000,000	

Appendix E Invoice Projections (Prop. 68)

2018					\$ -
2019					\$ -
2020		\$ -	\$ -	\$ 5,668	\$ 5,668
2021	\$ 4,807	\$ 156,086	\$ 278,488	\$ 196,009	\$ 635,390
2022	\$ 358,542	\$ -	\$ -	\$ -	\$ 358,542
2023	\$ -	\$ -	\$ -	\$ -	\$ -
				PROJECT TOTAL:	\$ 999,600
				TOTAL GRANT PROJECT AWARD:	\$ -

BILL TO: DEPARTMENT OF WATER RESOURCES

INVOICE FORM

Grantee Name and Address: Colusa Groundwater Authority 100 Sunrise Blvd, Suite A Colusa, CA 95932	Agreement Number: 4600012655 File Name: 4600012655 Invoice 13 IRWM Region: NRO	Agreement Type: Planning Proposition: 1 Retention Amount: 10%
--	--	---

Date of Invoice: 2/17/2022
Period Covered by this Invoice: From: 10/1/2021 To: 12/31/2021

Invoice # 13
Invoicing Format: Funding Match Drawdown

	Budget Information			Current Invoice Summary				Total Invoiced Summary						
	1. Funding Match	2. Grant Share	3. Sum of Funding Match & Grant Share	4. Total Billed this Invoice	5. Grant Share Billed this Invoice	6. 10% Retention Withheld from Grant Share Payment	7. Net Amount to Be Paid by DWR this Invoice	8. Total Funding Match Billed in Previous Invoices	9. Total Grant Share Billed in Previous Invoices	10. Total Billed To Date	11. Total Funding Match Billed to DWR to Date	12. Total Grant Share Billed to DWR to Date	13. Total Grant Share Paid by DWR to Date	14. Total Retention Withheld to Date
Project 1: Colusa Subbasin Groundwater Sustainability Plan Development 3860-PM-242														
SES# BE#														
Budget Category (a): Grant Administration	\$ -	\$ 16,320.00	\$ 16,320.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Budget Category (b): Stakeholder Outreach and Coordination	\$ -	\$ 180,200.00	\$ 180,200.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 146,571.40	\$ 146,571.40	\$ -	\$ 146,571.40	\$ 131,914.26	\$ 14,657.14
Budget Category (c): GSP Development	\$ -	\$ 803,480.00	\$ 803,480.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 801,480.00	\$ 801,480.00	\$ -	\$ 801,480.00	\$ 721,332.00	\$ 80,148.00
CD#: Project Subtotal	\$ -	\$ 1,000,000.00	\$ 1,000,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 948,051.40	\$ 948,051.40	\$ -	\$ 948,051.40	\$ 853,246.26	\$ 94,805.14
GRANT TOTALS :	\$0.00	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$948,051.40	\$948,051.40	\$0.00	\$948,051.40	\$853,246.26	\$94,805.14

Signature* of Agency's Authorized Representative:	Date:
Printed Name of Agency's Authorized Representative:	Title:

* By signing this form I certify under penalty of law, that the information provided is correct and accurate to the best of my knowledge, represents the work performed as outlined under this grant agreement during the period of this invoice, and that the reimbursement requested has not been nor will be submitted for payment as part of any other invoice for this project.

FOR DEPARTMENT OF WATER RESOURCES USE ONLY

Approved by DWR Project Manager (Print Name):	Approved by DWR Program Manager (Print Name):
Title:	Title: Date:
Signed: Date:	Signed:
I am verifying that the supporting documentation has been reviewed, is satisfactory, and is available upon request.	Project Manager Comments: Invoice is to be paid to alternate vendor 506131
DWR PM Initials _____	Cost Center: AGPA Comments: Remaining Grant Share: \$51,948.60
Purchase Order: 4500261960	Requisition No.: 10145569 Vendor No.: 200721 (506131) NET AMOUNT TO BE PAID BY DWR THIS INVOICE: \$0.00

BILL TO: DEPARTMENT OF WATER RESOURCES
INVOICE FORM

Grantee Name and Address: Colusa Groundwater Authority 100 Sunrise Blvd, Suite A Colusa, CA 95932	Agreement Number: 4600012655	Agreement Type: Planning
	File Name: 4600012655 Invoice 13b	Retention Amount: 10%
	Proposition: 68	Execution Date: 10/29/2018
	IRWM Region: Northern Sac Valley	Termination Date: 6/30/2022

	Budget Information			Current Invoice	
	1. Funding Match	2. Grant Share	3. Sum of Funding Match & Grant Share	4. Total Billed this Invoice	5. Grant Share Billed this Invoice
Project Name 3860-PM-242					
SES# BE#					
Budget Category (a): Grant Administration	\$ -	\$ 58,240.00	\$ 58,240.00	\$ -	\$ -
Budget Category (b): Outreach and Communication	\$ -	\$ 49,560.00	\$ 49,560.00	\$ 17,673.75	\$ 17,673.75
Budget Category (c): GSP Development	\$ -	\$ 825,680.00	\$ 825,680.00	\$ 175,338.34	\$ 175,338.34
Budget Category (d) : Monitoring and Assessment	\$ -	\$ 66,120.00	\$ 66,120.00	\$ 2,997.11	\$ 2,997.11
CD#: Project Subtotal	\$ -	\$ 999,600.00	\$ 999,600.00	\$ 196,009.20	\$ 196,009.20
GRANT TOTALS :	\$0.00	\$999,600.00	\$999,600.00	\$196,009.20	\$196,009.20

BILL TO: DEPARTMENT OF WATER RESOURCES
INVOICE FORM

Grantee Name and Address: Colusa Groundwater Authority 100 Sunrise Blvd, Suite A Colusa, CA 95932	Agreement Number: 4600012655	Agreement Type: Planning
	File Name: 4600012655 Invoice 13b	Retention Amount: 10%
	Proposition: 68	Execution Date: 10/29/2018
	IRWM Region: Northern Sac Valley	Termination Date: 6/30/2022

Budget Information			Current Invoice	
1. Funding Match	2. Grant Share	3. Sum of Funding Match & Grant Share	4. Total Billed this Invoice	5. Grant Share Billed this Invoice

Signature* of Agency's Authorized Representative: _____ Date: _____

Printed Name of Agency's Authorized Representative: _____ Title: _____

* By signing this form I certify under penalty of law, that the information provided is correct and accurate to the best of my knowledge, represents the work performed on any other invoice for this project.

FOR DEPARTMENT OF WATER RESOURCES

Approved by DWR Project Manager (Print Name): _____

Title: _____

Signed: _____ Date: _____

I am verifying that the supporting documentation has been reviewed, is satisfactory, and is available upon request. DWR PM Initials _____	Project Manager Comments:	
	DWR PPM Initial:	
Purchase Order: 4500280152	Cost Center:	AGPA Comments:
	Requisition No.: 10145569	Vendor No.: 200721 (506131)

BILL TO: DEPARTMENT OF WATER RESOURCES
INVOICE FORM

Date of Invoice: 2/17/2022
 Period Covered by this Invoice:
 From: 10/1/2021 To: 12/31/2021

Invoice #	13b
	v5
Invoicing Format:	Funding Match Drawdown

Summary		Total Invoiced Summary						
6. 10% Retention Withheld from Grant Share Payment	7. Net Amount to Be Paid by DWR this Invoice	8. Total Funding Match Billed in Previous Invoices	9. Total Grant Share Billed in Previous Invoices	10. Total Billed To Date	11. Total Funding Match Billed to DWR to Date	12. Total Grant Share Billed to DWR to Date	13. Total Grant Share Paid by DWR to Date	14. Total Retention Withheld to Date
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 1,767.38	\$ 15,906.37	\$ -	\$ 753.75	\$ 18,427.50	\$ -	\$ 18,427.50	\$ 16,584.75	\$ 1,842.75
\$ 17,533.83	\$ 157,804.51	\$ -	\$ 391,747.39	\$ 567,085.73	\$ -	\$ 567,085.73	\$ 510,377.16	\$ 56,708.57
\$ 299.71	\$ 2,697.40	\$ -	\$ 52,512.26	\$ 55,509.37	\$ -	\$ 55,509.37	\$ 49,958.43	\$ 5,550.94
\$ 19,600.92	\$ 176,408.28	\$ -	\$ 445,013.40	\$ 641,022.60	\$ -	\$ 641,022.60	\$ 576,920.34	\$ 64,102.26
\$19,600.92	\$176,408.28	\$0.00	\$445,013.40	\$641,022.60	\$0.00	\$641,022.60	\$576,920.34	\$64,102.26

BILL TO: DEPARTMENT OF WATER RESOURCES
INVOICE FORM

Date of Invoice: 2/17/2022	
Period Covered by this Invoice:	
From: 10/1/2021	To: 12/31/2021

Invoice #	13b
	v5
Invoicing Format:	Funding Match Drawdown

Summary		Total Invoiced Summary						
6. 10% Retention Withheld from Grant Share Payment	7. Net Amount to Be Paid by DWR this Invoice	8. Total Funding Match Billed in Previous Invoices	9. Total Grant Share Billed in Previous Invoices	10. Total Billed To Date	11. Total Funding Match Billed to DWR to Date	12. Total Grant Share Billed to DWR to Date	13. Total Grant Share Paid by DWR to Date	14. Total Retention Withheld to Date

as outlined under this grant agreement during the period of this invoice, and that the reimbursement requested has not been nor will be submitted for payment as part of

WATER RESOURCES USE ONLY

Approved by DWR Program Manager (Print Name):	
Title:	Date:
Signed:	

Remaining Grant Share:	\$358,577.40
NET AMOUNT TO BE PAID BY DWR THIS INVOICE:	\$176,408.28

BACK UP DOCUMENTATION SUMMARY TABLE

Grantee: Colusa Groundwater Authority
 DWR Agreement No. 46-00012655
 Invoicing Period: 10/1/2021-12/31/2021
 Report: 13; Invoice: 13 (Proposition 1)
 Report: 7; Invoice: 7 (Proposition 68)

Consultant Invoice	Invoice number	Invoice Date	Total Invoice Amount	Component 1, Cat. b: Stakeholder Outreach and Education		Component 1, Cat. C: GSP Development		Cat D: Well Mon Program	Total Invoice Accuracy check	REPORT PAGE NUMBERS					
				Prop. 1	Prop. 68	Prop. 1	Prop. 68	Prop. 68		Summary	Davids Eng.	West Yost	ERA Econ.	Woodard Curran	CSU Sac
Davids Engineering, Inc.	1178.03-4881	10/31/2021	\$96,575.25	\$0.00	\$0.00	\$0.00	\$94,307.75	\$2,267.50	\$96,575.25	35	37	64		54	
Davids Engineering, Inc.	1178.03-4927	11/30/2021	\$59,445.45	\$0.00	\$11,200.00	\$0.00	\$47,515.84	\$729.61	\$59,445.45	69	71	102	100		88
Davids Engineering, Inc.	1178.03-4976	12/31/2021	\$39,988.50	\$0.00	\$6,473.75	\$0.00	\$33,514.75	\$0.00	\$39,988.50	107	109	129			122
TOTAL			\$196,009.20	\$0.00	\$17,673.75	\$0.00	\$175,338.34	\$2,997.11	\$196,009.20						

Prop 1 total	\$0.00	
Prop 68 total	\$193,012.09	
P. 68 Cat D total	\$2,997.11	\$196,009.20 Prop 68 Total
	\$196,009.20	

Colusa Groundwater Authority, Proposition 1 and Proposition 68 SGWP
Agreement No. 46-00012655

Report #13; Invoice #13 (Prop. 1)
Report #7; Invoice #7 (Prop. 68)
Reporting Period: 10/1/2021-12/31/2021

Davids Engineering, Inc.
Invoice #1178.03-4881
Invoice total: \$96,575.25

Description of Work performed:

BUDGET CATEGORY A: GRANT ADMINISTRATION

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$0.00

BUDGET CATEGORY B: STAKEHOLDER OUTREACH AND EDUCATION

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$0.00

BUDGET CATEGORY C: GSP DEVELOPMENT

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$94,307.75

- Work on the following elements:
 - Integrated Hydrologic Modeling
 - Model update discussion
 - Data Management System
 - Draft task outline for recommended DMS work
 - Coordinate status and next steps
 - Basin Setting
 - Participated in Northern California Water Association interbasin coordination meeting
 - Supplied geospatial information for Colusa Subbasin monitoring network
 - Sustainable Management Criteria
 - Presented revision to the land subsidence sustainable management criteria

Colusa Groundwater Authority, Proposition 1 and Proposition 68 SGWP
Agreement No. 46-00012655

- Updates to draft SMC chapter
 - Monitoring Network
 - Preparation and participation for GSP Public Meetings
 - Projects and Management Actions
 - Preparation and participating in GSP Public Meetings
 - Review and integration of new Project into GSP
 - GSP Document Preparation
 - Addressing public comments on draft GSP
 - Hydrogeologic Investigation
 - Coordination meeting to map out project completion tasks and schedules
 - Prepared for and attended GSP Public Meetings, October 13th (virtual), October 15th (in person)
-

BUDGET CATEGORY D: MONITORING AND ASSESSMENT

Invoice total – Proposition 68: \$2,267.50

- Work on the following GSP elements:
 - Well Monitoring Pilot Program
 - Monitoring well map creation
 - Review of budgetary needs
 - Memorandum and project updates/communication
 - Coordinate equipment specifications, ordering and installation
 - Well monitoring equipment procurement

For Grant reporting/invoicing purposes, \$35.53 in non-reimbursable costs was manually removed from the July-September, 2021 Davids Engineering invoice #1178.03-4790. Subsequently, Davids Engineering removed \$35.53 from this invoice (#1178.03-4881). \$35.53 has been manually added back to this invoice since it was previously removed from Davids Engineering invoice #1178.03-4790.

Also, note, there are charges from Woodard and Curran on this invoice that date back to 7/2020.

Invoice

DAVIDS ENGINEERING, INC.
Tax ID#68-0346173
1772 Picasso Avenue, Suite A
Davis, CA 95618-0550
530/757-6107 - phone
530/757-6118 - fax

October 31, 2021

Invoice No: 1178.03 - 4881

Lisa Hunter
 Glenn Groundwater Authority
 225 N Tehama St.
 Willows, CA 95988

Project 1178.03 Glenn Groundwater Authority - Colusa Subbasin GSP Development

Professional Services from October 1, 2021 to October 31, 2021

Task 01.00 Project Management

Professional Personnel

	Hours	Rate	Amount
Principal Engineer			
Davids, Grant	3.50	220.00	770.00
Secretary/Clerical II			
Clark, Cynthia	1.75	95.00	166.25
Totals	5.25		936.25
Total Labor			936.25

Contract Amount	Current	Prior	To-Date
Total Billings	936.25	41,622.75	42,559.00
Contract Amount			44,200.00
Remaining			1,641.00
		Total this Task	\$936.25

Billings to Date

	Current	Prior	Total
Labor	936.25	41,622.75	42,559.00
Totals	936.25	41,622.75	42,559.00

Task 02.00 Stakeholder Outreach and Coordination

Sub-Task CS.US California State University, Sacramento

Contract Amount	Current	Prior	To-Date
Total Billings	0.00	54,189.75	54,189.75
Contract Amount			104,540.15
Remaining			50,350.40
		Total this Sub-Task	0.00

Sub-Task DE.00 Davids Engineering, Inc.

Contract Amount	Current	Prior	To-Date
Total Billings	0.00	47,725.75	47,725.75
Contract Amount			46,759.85

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4881
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Total this Sub-Task 0.00

Total this Task 0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	47,725.75	47,725.75
Consultant	0.00	54,189.75	54,189.75
Totals	0.00	101,915.50	101,915.50

Task 03.01 Data Collection and Analysis

Sub-Task DE.00 Davids Engineering, Inc.

Contract Amount	Current	Prior	To-Date
Total Billings	0.00	3,558.75	3,558.75
Contract Amount			3,559.00
Remaining			.25

Total this Sub-Task 0.00

Sub-Task WY.A0 West Yost Associates

Contract Amount	Current	Prior	To-Date
Total Billings	0.00	21,976.00	21,976.00
Contract Amount			21,976.00

Total this Sub-Task 0.00

Total this Task 0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	3,558.75	3,558.75
Consultant	0.00	21,976.00	21,976.00
Totals	0.00	25,534.75	25,534.75

Task 03.02 Integrated Hydrologic Modeling

Sub-Task DE.00 Davids Engineering, Inc.

Professional Personnel

	Hours	Rate	Amount
Principal Engineer			
Davids, Grant	1.00	220.00	220.00
Staff Engineer/Scientist I			
Kizer, Erin	.25	142.00	35.50
Totals	1.25		255.50
Total Labor			255.50

Contract Amount	Current	Prior	To-Date
Total Billings	255.50	110,504.80	110,760.30
Contract Amount			111,913.00
Remaining			1,152.70

Total this Sub-Task \$255.50

Total this Task \$255.50

Billings to Date

	Current	Prior	Total
Labor	255.50	110,504.80	110,760.30
Totals	255.50	110,504.80	110,760.30

Task 03.03 Monitoring Protocols

Sub-Task DE.00 Davids Engineering, Inc.

Contract Amount	Current	Prior	To-Date
Total Billings	0.00	110.00	110.00
Contract Amount			110.00

Total this Sub-Task 0.00

Sub-Task WY.A0 West Yost Associates

Contract Amount	Current	Prior	To-Date
Total Billings	0.00	6,455.00	6,455.00
Contract Amount			6,455.00

Total this Sub-Task 0.00

Total this Task 0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	110.00	110.00
Consultant	0.00	6,455.00	6,455.00
Totals	0.00	6,565.00	6,565.00

Task 03.04 Data and Reporting Standards

Sub-Task DE.00 Davids Engineering, Inc.

Total this Sub-Task 0.00

Sub-Task WY.A0 West Yost Associates

Contract Amount	Current	Prior	To-Date
Total Billings	0.00	9,451.00	9,451.00
Contract Amount			9,451.00

Total this Sub-Task 0.00

Total this Task 0.00

Billings to Date

	Current	Prior	Total
Consultant	0.00	9,451.00	9,451.00
Totals	0.00	9,451.00	9,451.00

Task 03.05 Data Management System

Sub-Task DE.00 Davids Engineering, Inc.

Professional Personnel

	Hours	Rate	Amount
Principal Engineer Davids, Grant	1.00	220.00	220.00
Associate Engineer/Scientist II Hall, Lindsay	1.00	175.00	175.00
Associate Engineer/Scientist I Klug, Katherine	.50	165.00	82.50
Totals	2.50		477.50
Total Labor			477.50

Contract Amount	Current	Prior	To-Date
Total Billings	477.50	2,456.50	2,934.00
Contract Amount			21,146.00
Remaining			18,212.00
		Total this Sub-Task	\$477.50

Sub-Task	WY.A0	West Yost Associates	Current	Prior	To-Date
Contract Amount					
Total Billings			0.00	4,999.00	4,999.00
Contract Amount					5,000.00
Remaining					1.00
				Total this Sub-Task	0.00
				Total this Task	\$477.50

Billings to Date

	Current	Prior	Total
Labor	477.50	2,456.50	2,934.00
Consultant	0.00	4,999.00	4,999.00
Totals	477.50	7,455.50	7,933.00

Task	03.06	GSP Administrative Information	Current	Prior	To-Date
Sub-Task	DE.00	Davids Engineering, Inc.			
Contract Amount					
Total Billings			0.00	307.50	307.50
Contract Amount					307.00
				Total this Sub-Task	0.00

Sub-Task	WY.A0	West Yost Associates	Current	Prior	To-Date
Contract Amount					
Total Billings			0.00	21,949.00	21,949.00
Contract Amount					21,949.00
				Total this Sub-Task	0.00
				Total this Task	0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	307.50	307.50
Consultant	0.00	21,949.00	21,949.00
Totals	0.00	22,256.50	22,256.50

Task 03.07 Basin Setting
 Sub-Task DE.00 Davids Engineering, Inc.

Professional Personnel

	Hours	Rate	Amount
Associate Engineer/Scientist I Klug, Katherine	16.50	165.00	2,722.50
Staff Engineer/Scientist II Ertis, Brandon	.75	155.00	116.25
Totals	17.25		2,838.75
Total Labor			2,838.75

Contract Amount	Current	Prior	To-Date
Total Billings	2,838.75	16,483.75	19,322.50
Contract Amount			19,468.00
Remaining			145.50
		Total this Sub-Task	\$2,838.75

Sub-Task ER.A0 ERA Economics, LLC

Contract Amount	Current	Prior	To-Date
Total Billings	0.00	2,455.00	2,455.00
Contract Amount			2,455.00
		Total this Sub-Task	0.00

Sub-Task WY.A0 West Yost Associates

Contract Amount	Current	Prior	To-Date
Total Billings	0.00	22,988.00	22,988.00
Contract Amount			23,017.00
Remaining			29.00
		Total this Sub-Task	0.00

Total this Task \$2,838.75

Billings to Date

	Current	Prior	Total
Labor	2,838.75	16,483.75	19,322.50
Consultant	0.00	25,443.00	25,443.00
Totals	2,838.75	41,926.75	44,765.50

Task 03.08 Sustainable Management Criteria
 Sub-Task DE.00 Davids Engineering, Inc.

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4881
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Professional Personnel

	Hours	Rate	Amount
Technical/Project Assistant			
Davids, Joni	1.00	102.00	102.00
Davids, Kristi	.25	102.00	25.50
Totals	1.25		127.50
Total Labor			127.50

Contract Amount	Current	Prior	To-Date
Total Billings	127.50	52,238.20	52,365.70
Contract Amount			52,654.00
Remaining			288.30
		Total this Sub-Task	\$127.50

Sub-Task	ER.A0	ERA Economics, LLC		
Contract Amount			Current	Prior
Total Billings			0.00	11,221.00
Contract Amount				11,221.00
		Total this Sub-Task		0.00

Sub-Task	WC.00	Woodard and Curran, Inc.		
Consultants				
Woodard & Curran				
10/29/2021	Woodard & Curran	Professional Services through		74,388.00
		October 1, 2021 - see attached		
	Total Consultants	1.0 times	74,388.00	74,388.00
Contract Amount		Current	Prior	To-Date
Total Billings		74,388.00	80,281.25	154,669.25
Contract Amount				167,381.00
Remaining				12,711.75
		Total this Sub-Task		\$74,388.00

Sub-Task	WY.A0	West Yost Associates		
Contract Amount			Current	Prior
Total Billings			0.00	61,270.50
Contract Amount				61,318.00
Remaining				47.50
		Total this Sub-Task		0.00
		Total this Task		\$74,515.50

Billings to Date

	Current	Prior	Total
Labor	127.50	52,238.20	52,365.70
Consultant	74,388.00	152,773.00	227,161.00
Add-on	0.00	-.25	-.25
Totals	74,515.50	205,010.95	279,526.45

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4881
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Task	03.09	Monitoring Network
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Sub-Task	DE.00	Davids Engineering, Inc.
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Professional Personnel

	Hours	Rate	Amount
Principal Engineer			
Davids, Grant	4.00	220.00	880.00
Totals	4.00		880.00
Total Labor			880.00

Contract Amount	Current	Prior	To-Date
Total Billings	880.00	2,090.00	2,970.00
Contract Amount			4,590.00
Remaining			1,620.00
Total this Sub-Task			\$880.00

Sub-Task	WY.A0	West Yost Associates
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Contract Amount	Current	Prior	To-Date
Total Billings	0.00	72,878.00	72,878.00
Contract Amount			72,908.00
Remaining			30.00
Total this Sub-Task			0.00

Total this Task \$880.00

Billings to Date

	Current	Prior	Total
Labor	880.00	2,090.00	2,970.00
Consultant	0.00	72,878.00	72,878.00
Totals	880.00	74,968.00	75,848.00

Task	03.10	Projects and Management Actions
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Sub-Task	DE.00	Davids Engineering, Inc.
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Professional Personnel

	Hours	Rate	Amount
Principal Engineer			
Davids, Grant	4.00	220.00	880.00
Associate Engineer/Scientist I			
Klug, Katherine	4.00	165.00	660.00
Technical/Project Assistant			
Davids, Joni	1.00	102.00	102.00
Totals	9.00		1,642.00
Total Labor			1,642.00

Contract Amount	Current	Prior	To-Date
Total Billings	1,642.00	85,734.50	87,376.50
Contract Amount			92,836.00
Remaining			5,459.50
Total this Sub-Task			\$1,642.00

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4881	
Sub-Task	ER.A0	ERA Economics, LLC			
Contract Amount			Current	Prior	To-Date
Total Billings			0.00	48,363.75	48,363.75
Contract Amount					50,000.00
Remaining					1,636.25
Total this Sub-Task					0.00

Sub-Task	WY.A0	West Yost Associates			
Contract Amount			Current	Prior	To-Date
Total Billings			0.00	7,493.50	7,493.50
Contract Amount					7,500.00
Remaining					6.50
Total this Sub-Task					0.00
Total this Task					\$1,642.00
Billings to Date					
			Current	Prior	Total
Labor			1,642.00	85,737.50	87,379.50
Consultant			0.00	55,857.25	55,857.25
Add-on			0.00	-3.00	-3.00
Totals			1,642.00	141,591.75	143,233.75

Task	03.11	GSP Document Preparation and Adoption			
Sub-Task	DE.00	Davids Engineering, Inc.			
Contract Amount			Current	Prior	To-Date
Total Billings			0.00	39,549.00	39,549.00
Contract Amount					39,549.00
Total this Sub-Task					0.00

Sub-Task	WY.A0	West Yost Associates			
Consultants					
West Yost Associates, Inc.					
10/31/2021	West Yost Associates, Inc.	Professional Services from October 1 to October 29, 2021 - see attached		1,111.00	Note - \$35.53 mark-up on copies was manually removed from grant invoice #12 (June-Aug. 2021)
10/31/2021	West Yost Associates, Inc.	Professional Services from October 1 to October 29, 2021 - see attached		-35.53	
Total Consultants			1.0 times	1,075.47	
Contract Amount					
Total Billings			1,075.47	64,126.90	65,202.37
Contract Amount					65,278.00
Remaining					75.63
Total this Sub-Task					\$1,075.47

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4881
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Total this Task **\$1,075.47**
\$1,111.00

Billings to Date

	Current	Prior	Total
Labor	0.00	39,549.00	39,549.00
Consultant	1,075.47	64,126.90	65,202.37
Totals	1,075.47	103,675.90	104,751.37

Task 04.00 Funding Mechanisms

Sub-Task DE.00 Davids Engineering, Inc.

Contract Amount	Current	Prior	To-Date
Total Billings	0.00	5,890.00	5,890.00
Contract Amount			9,680.00
Remaining			3,790.00
Total this Sub-Task			0.00

Sub-Task ER.A0 ERA Economics, LLC

Contract Amount	Current	Prior	To-Date
Total Billings	0.00	28,717.50	28,717.50
Contract Amount			40,000.00
Remaining			11,282.50
Total this Sub-Task			0.00

Total this Task **0.00**

Billings to Date

	Current	Prior	Total
Labor	0.00	5,890.00	5,890.00
Consultant	0.00	28,717.50	28,717.50
Totals	0.00	34,607.50	34,607.50

Task 05.00 Hydrogeologic Investigation

Sub-Task DE.00 Davids Engineering, Inc.

Professional Personnel

	Hours	Rate	Amount
Principal Engineer			
Davids, Grant	2.00	220.00	440.00
Davids, John	1.50	220.00	330.00
Totals	3.50		770.00
Total Labor			770.00

Contract Amount	Current	Prior	To-Date
Total Billings	770.00	2,050.50	2,820.50
Contract Amount			65,099.00
Remaining			62,278.50
Total this Sub-Task			\$770.00

Sub-Task WY.A0 West Yost Associates

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4881
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Consultants

West Yost Associates, Inc.

10/31/2021	West Yost Associates, Inc.	Professional Services from October 1 to October 29, 2021 - see attached	10,881.25
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Total Consultants **1.0 times** **10,881.25** **10,881.25**

Contract Amount

	Current	Prior	To-Date
Total Billings	10,881.25	11,595.75	22,477.00
Contract Amount			63,048.00
Remaining			40,571.00

Total this Sub-Task **\$10,881.25**

Total this Task **\$11,651.25**

Billings to Date

	Current	Prior	Total
Labor	770.00	2,050.50	2,820.50
Consultant	10,881.25	11,595.75	22,477.00
Totals	11,651.25	13,646.25	25,297.50

Task 06.00 GDE Evaluation

Sub-Task DE.00 Davids Engineering, Inc.

Contract Amount

	Current	Prior	To-Date
Total Billings	0.00	15,532.50	15,532.50
Contract Amount			20,532.00
Remaining			4,999.50

Total this Sub-Task **0.00**

Sub-Task WY.A0 West Yost Associates

Contract Amount

	Current	Prior	To-Date
Total Billings	0.00	0.00	0.00
Contract Amount			5,000.00
Remaining			5,000.00

Total this Sub-Task **0.00**

Total this Task **0.00**

Billings to Date

	Current	Prior	Total
Labor	0.00	15,532.50	15,532.50
Totals	0.00	15,532.50	15,532.50

Task 07.00 Well Monitoring Pilot Program

Sub-Task DE.00 Davids Engineering, Inc.

Professional Personnel

	Hours	Rate	Amount
Associate Engineer/Scientist II Alexander, Nadya	4.00	175.00	700.00

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4881
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Billing Backup

Friday, November 12, 2021

Davids Engineering, Inc.

Invoice 4881 Dated 10/31/2021

4:45:37 PM

Project	1178.03	Glenn Groundwater Authority - Colusa Subbasin GSP Development
Task	01.00	Project Management

Professional Personnel

		Hours	Rate	Amount
Principal Engineer				
Davids, Grant	10/20/2021	.50	220.00	110.00
	Review K Klug's draft September project status report			
Davids, Grant	10/25/2021	1.50	220.00	330.00
	Review and forward W&C final invoice to client; review and forward FE Team September invoice to client			
Davids, Grant	10/29/2021	1.50	220.00	330.00
	Project management and related communications			
Secretary/Clerical II				
Clark, Cynthia	10/7/2021	.50	95.00	47.50
	project support, accounting			
Clark, Cynthia	10/8/2021	.50	95.00	47.50
	project support, accounting			
Clark, Cynthia	10/20/2021	.25	95.00	23.75
	project support, accounting			
Clark, Cynthia	10/25/2021	.25	95.00	23.75
	project support, accounting			
Clark, Cynthia	10/29/2021	.25	95.00	23.75
	project support, accounting			
Totals		5.25		936.25
Total Labor				936.25
			Total this Task	\$936.25

Task	03.02	Integrated Hydrologic Modeling
Sub-Task	DE.00	Davids Engineering, Inc.

Professional Personnel

		Hours	Rate	Amount
Principal Engineer				
Davids, Grant	10/1/2021	1.00	220.00	220.00
	Finish draft Model update discussion paper and send to client/team			
Staff Engineer/Scientist I				
Kizer, Erin	10/1/2021	.25	142.00	35.50
	Assist with mapmaking for well- monitoring map.			
Totals		1.25		255.50
Total Labor				255.50
			Total this Sub-Task	\$255.50
			Total this Task	\$255.50

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4881
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Task	03.05	Data Management System
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Sub-Task	DE.00	Davids Engineering, Inc.
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Professional Personnel

			Hours	Rate	Amount
Principal Engineer					
Davids, Grant	10/1/2021		1.00	220.00	220.00
Finalize and transmit draft DMS notes and next steps to client					
Associate Engineer/Scientist II					
Hall, Lindsay	10/1/2021		1.00	175.00	175.00
review and respond to questions					
Associate Engineer/Scientist I					
Klug, Katherine	10/19/2021		.50	165.00	82.50
coordinating status and next steps of DMS work					
Totals			2.50		477.50
Total Labor					477.50

Total this Sub-Task \$477.50

Total this Task \$477.50

Task	03.07	Basin Setting
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Sub-Task	DE.00	Davids Engineering, Inc.
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Professional Personnel

			Hours	Rate	Amount
Associate Engineer/Scientist I					
Klug, Katherine	10/1/2021		1.25	165.00	206.25
drafting annual report tasks					
Klug, Katherine	10/4/2021		3.50	165.00	577.50
drafting annual report tasks, budget, schedule; reviewing DMS info; preparing for NCWA SGMA discussion					
Klug, Katherine	10/5/2021		1.50	165.00	247.50
drafting annual report tasks, budget, schedule; NCWA SGMA discussion					
Klug, Katherine	10/6/2021		3.50	165.00	577.50
drafting annual report tasks, budget, schedule					
Klug, Katherine	10/11/2021		.25	165.00	41.25
Colusa project discussion with G. Davids					
Klug, Katherine	10/13/2021		.50	165.00	82.50
Colusa SGMA work coordination					
Klug, Katherine	10/14/2021		.25	165.00	41.25
Colusa SGMA work coordination					
Klug, Katherine	10/19/2021		2.25	165.00	371.25
internal meeting to discuss status and next steps for outstanding SGMA work; compiling and distributing notes; coordinating follow-up budget discussions and annual report procedure					
Klug, Katherine	10/20/2021		1.50	165.00	247.50
drafting and reviewing SGMA project status; project communication and task status review					
Klug, Katherine	10/21/2021		.50	165.00	82.50
project communication and task status review					

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4881
Klug, Katherine	10/26/2021	1.50	165.00	247.50
attending CGA Board meeting				
Staff Engineer/Scientist II				
Ertis, Brandon	10/5/2021	.75	155.00	116.25
Coordination and Preparation for GSP Summary Presentation, Map Review and Development				
Totals		17.25		2,838.75
Total Labor				2,838.75
Total this Sub-Task				\$2,838.75
Total this Task				\$2,838.75

Task	03.08	Sustainable Management Criteria
Sub-Task	DE.00	Davids Engineering, Inc.

Professional Personnel

		Hours	Rate	Amount
Technical/Project Assistant				
Davids, Joni	10/11/2021	.25	102.00	25.50
project support, accounting				
Davids, Joni	10/18/2021	.25	102.00	25.50
project support, accounting				
Davids, Joni	10/20/2021	.25	102.00	25.50
project support, accounting				
Davids, Joni	10/29/2021	.25	102.00	25.50
project support, accounting				
Davids, Kristi	10/8/2021	.25	102.00	25.50
project support, accounting				
Totals		1.25		127.50
Total Labor				127.50
Total this Sub-Task				\$127.50

Sub-Task	WC.00	Woodard and Curran, Inc.
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Consultants

Woodard & Curran				
AP 8311	10/29/2021	☐ Woodard & Curran / Professional Services through October 1, 2021 - see attached	74,388.00	
Total Consultants		1.0 times	74,388.00	74,388.00
Total this Sub-Task				\$74,388.00
Total this Task				\$74,515.50

Task	03.09	Monitoring Network
Sub-Task	DE.00	Davids Engineering, Inc.

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4881
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Professional Personnel

			Hours	Rate	Amount	
Principal Engineer						
Davids, Grant	10/15/2021		4.00	220.00	880.00	
Prepare for and participate in GSA review public meeting						
Totals			4.00		880.00	
Total Labor						880.00
				Total this Sub-Task		\$880.00
				Total this Task		\$880.00

Task 03.10 Projects and Management Actions

Sub-Task DE.00 Davids Engineering, Inc.

Professional Personnel

			Hours	Rate	Amount	
Principal Engineer						
Davids, Grant	10/15/2021		4.00	220.00	880.00	
Prepare for and participate in GSA review public meeting						
Associate Engineer/Scientist I						
Klug, Katherine	10/28/2021		2.00	165.00	330.00	
compiling C2VSimFG-Colusa results for RD108 "Boards In" Program benefits calculation						
Klug, Katherine	10/29/2021		2.00	165.00	330.00	
summarizing and reviewing recharge benefit estimates for RD108 "Boards In" program						
Technical/Project Assistant						
Davids, Joni	10/11/2021		.25	102.00	25.50	
project support, accounting						
Davids, Joni	10/18/2021		.25	102.00	25.50	
project support, accounting						
Davids, Joni	10/20/2021		.25	102.00	25.50	
project support, accounting						
Davids, Joni	10/29/2021		.25	102.00	25.50	
project support, accounting						
Totals			9.00		1,642.00	
Total Labor						1,642.00
				Total this Sub-Task		\$1,642.00
				Total this Task		\$1,642.00

Task 03.11 GSP Document Preparation and Adoption

Sub-Task WY.A0 West Yost Associates

Consultants

West Yost Associates, Inc.						
AP 8380	10/31/2021	West Yost Associates, Inc. / Professional Services from October 1 to October 29, 2021 - see attached			1,111.00	

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4881
AP 8380	10/31/2021	West Yost Associates, Inc. / Professional Services from October 1 to October 29, 2021 - see attached	-35.53	
Total Consultants			1.0 times	1,075.47
				1,111.00
			Total this Sub-Task	\$1,075.47
				\$1,111.00
			Total this Task	\$1,075.47
				\$1,111.00

Task	05.00	Hydrogeologic Investigation
Sub-Task	DE.00	Davids Engineering, Inc.

Professional Personnel

			Hours	Rate	Amount
Principal Engineer					
Davids, Grant	10/19/2021	Internal team coordination meeting to map out project completion tasks and schedules	2.00	220.00	440.00
Davids, John	10/19/2021	Internal team meeting	1.50	220.00	330.00
Totals			3.50		770.00
Total Labor					770.00
Total this Sub-Task					\$770.00

Sub-Task	WY.A0	West Yost Associates
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Consultants

West Yost Associates, Inc.					
AP 8380	10/31/2021	West Yost Associates, Inc. / Professional Services from October 1 to October 29, 2021 - see attached		10,881.25	
Total Consultants			1.0 times	10,881.25	10,881.25
			Total this Sub-Task		\$10,881.25
			Total this Task		\$11,651.25

Task	07.00	Well Monitoring Pilot Program
Sub-Task	DE.00	Davids Engineering, Inc.

Professional Personnel

			Hours	Rate	Amount
Associate Engineer/Scientist II					
Alexander, Nadya	10/1/2021	Monitoring well map, budget, memo	2.50	175.00	437.50
Alexander, Nadya	10/7/2021	Board meeting and budgeting emails	1.50	175.00	262.50
Associate Engineer/Scientist I					
Klug, Katherine	10/19/2021		.25	165.00	41.25

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4881	
		coordinating with N. Alexander to provide status update for WMPP expansion budget/tasks			
Klug, Katherine		10/20/2021	2.75	165.00	453.75
		review of WMPP background and status with N. Alexander; compiling and summarizing WMPP information; reviewing and updating budget			
Klug, Katherine		10/21/2021	1.50	165.00	247.50
		compiling and summarizing WMPP information; reviewing and updating budget			
Klug, Katherine		10/22/2021	1.25	165.00	206.25
		discussing WMPP questions with G. Davids			
Klug, Katherine		10/25/2021	2.50	165.00	412.50
		preparing WMPP budget summary; WMPP communication and assembling questions for Lisa and Mary			
Klug, Katherine		10/27/2021	1.25	165.00	206.25
		preparing WMPP budget summary; WMPP communication and assembling questions for Lisa and Mary			
		Totals	13.50		2,267.50
		Total Labor			2,267.50
				Total this Sub-Task	\$2,267.50
				Total this Task	\$2,267.50
				Total this Project	\$96,539.72
				Total this Report	\$96,539.72



COMMITMENT & INTEGRITY
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Bryan Thoreson
Principle Engineer
Davids Engineering, Inc., CA
1772 Picasso Avenue
Suite A
Davis, CA 95618

October 14, 2021
Project No: 0011114.01
Invoice No: 195891

Project 0011114.01 DAVIDS GLENN - COLUSA SUBBASIN GSP

Project # 1178.03

Professional Services for the period ending October 1, 2021

Phase 002 SUPPORT SERVICES FOR SMC REFINEMENT

Task 0001 MODELING SUPPORT FOR SMC DEVELOPMENT

Professional Personnel

	Hours	Rate	Amount	
Planner 2				
Honn, Emily	58.00	192.00	11,136.00	
Project Engineer 1				
Miller, Sara	31.50	227.00	7,150.50	
Senior Technical Manager				
Namvar, Reza	1.50	289.00	433.50	
Totals	91.00		18,720.00	
Labor Total				18,720.00
				Total this Task \$18,720.00

Task 0002 SMC REFINEMENT SUPPORT

Professional Personnel

	Hours	Rate	Amount
Planner 2			
Honn, Emily	1.50	198.00	297.00
Valenzuela, George	44.00	198.00	8,712.00
Planner 3			
Eggleton, Charles	93.00	224.00	20,832.00
Project Assistant			
O'Dell, Debora	2.25	116.00	261.00

Please include our invoice number in your remittance. Thank you.



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*211274450 * 2427662596 *

Project	0011114.01	DAVIDS GLENN - COLUSA SUBBASIN GSP	Invoice	195891
Project Manager 2				
Ayres, John	35.00	281.00	9,835.00	
Senior Technical Manager				
Namvar, Reza	5.50	298.00	1,639.00	
Senior Technical Practice Leader				
Dumas, Leslie	7.75	324.00	2,511.00	
Taghavi, Ali	1.00	324.00	324.00	
Totals	190.00		44,411.00	
Labor Total				44,411.00
			Total this Task	\$44,411.00

Task 0003 UPDATE SMC CHAPTER OF GSP

Professional Personnel

	Hours	Rate	Amount	
Planner 3				
Eggleton, Charles	13.50	224.00	3,024.00	
Martien, Lindsay	17.00	224.00	3,808.00	
Project Manager 2				
Ayres, John	12.00	281.00	3,372.00	
Senior Technical Practice Leader				
Dumas, Leslie	3.25	324.00	1,053.00	
Totals	45.75		11,257.00	
Labor Total				11,257.00
			Total this Task	\$11,257.00
			Total this Phase	\$74,388.00
			Total this Invoice	\$74,388.00

Project Summary	Current Fee	Previous Fee	Total
	74,388.00	80,281.25	154,669.25

Approved by: Reza Namvar
Reza Namvar, PE, PhD
Senior Technical Manager
Woodard & Curran

Project 0011114.01 DAVIDS GLENN - COLUSA SUBBASIN GSP Invoice 195891

Billing Backup

Thursday, October 14, 2021

Woodard & Curran, Inc.

Invoice 195891 Dated 10/14/2021

12:33:03 PM

Project 0011114.01 DAVIDS GLENN - COLUSA SUBBASIN GSP

Phase 002 SUPPORT SERVICES FOR SMC REFINEMENT

Task 0001 MODELING SUPPORT FOR SMC DEVELOPMENT

Professional Personnel

		Hours	Rate	Amount
Planner 2				
202 - Honn, Emily	7/28/2020	5.50	192.00	1,056.00
Pre and post calibration aquifer parameter maps; contour maps, summary tables				
202 - Honn, Emily	7/30/2020	7.50	192.00	1,440.00
Edits to Draft Calibration Package powerpoint, graphics, and content; Internal project coordination				
202 - Honn, Emily	7/31/2020	4.00	192.00	768.00
Prepare presentation for David's Engineering; Present to David's Engineering				
202 - Honn, Emily	8/3/2020	4.50	192.00	864.00
Prepare for Colusa Subbasin Model Review with West Yost, David's Engineering, Glenn County, and Colusa County				
202 - Honn, Emily	8/4/2020	3.75	192.00	720.00
Prepare for Colusa Subbasin Model Review with West Yost, David's Engineering, Glenn County, and Colusa County; Meet and present draft calibration package				
202 - Honn, Emily	8/5/2020	1.75	192.00	336.00
Process run with storage parameter sensitivity analysis; Review results with Reza and Sara				
202 - Honn, Emily	8/6/2020	5.25	192.00	1,008.00
Set up run with horizontal K refinements by groundwater node; Process run results				
202 - Honn, Emily	8/7/2020	2.50	192.00	480.00
Set up new run with horizontal K refinements in SR 2 and 14; Process run results				
202 - Honn, Emily	8/10/2020	6.75	192.00	1,296.00
Process local refinements in new runs, groundwater budgets, statistics, GIS				
202 - Honn, Emily	8/11/2020	5.00	192.00	960.00
Set up new runs with local horizontal K refinements in SR 2 and 14				
202 - Honn, Emily	8/12/2020	3.00	192.00	576.00
Process and review runs with local horizontal K refinements in SR 2 and 14				
202 - Honn, Emily	8/20/2020	5.00	192.00	960.00
Run last run with final changes; compile slides for Calibration Package #2; project coordination; process run results				
202 - Honn, Emily	8/26/2020	3.50	192.00	672.00
Troubleshoot nested well hydrograph tool; Draft TM				

Project	0011114.01	DAVIDS GLENN - COLUSA SUBBASIN GSP	Invoice	195891
Project Engineer 1				
243 - Miller, Sara	7/30/2020	6.00	227.00	1,362.00
Coordination on slides. Nested well hydrographs.				
243 - Miller, Sara	7/31/2020	3.00	227.00	681.00
Coordination on slides. Nested well hydrographs. Call with Byron.				
243 - Miller, Sara	8/3/2020	2.25	227.00	510.75
Coordination and slide updates				
243 - Miller, Sara	8/4/2020	5.00	227.00	1,135.00
Slide review and update. Calibration review call with clients.				
243 - Miller, Sara	8/5/2020	2.00	227.00	454.00
Review of model runs. Set up new run.				
243 - Miller, Sara	8/6/2020	2.25	227.00	510.75
Review of model runs. Discuss edits for new run. Set up element pumping edits.				
243 - Miller, Sara	8/7/2020	.50	227.00	113.50
Project discussion. Update model run.				
243 - Miller, Sara	8/10/2020	1.50	227.00	340.50
Run reveiw				
243 - Miller, Sara	8/11/2020	2.00	227.00	454.00
Run review. Discuss element pumping.				
243 - Miller, Sara	8/12/2020	2.50	227.00	567.50
Run review. Review hydrographs.				
243 - Miller, Sara	8/13/2020	1.00	227.00	227.00
Model review and coordination				
243 - Miller, Sara	8/17/2020	1.00	227.00	227.00
Project discussion and communication				
243 - Miller, Sara	8/18/2020	.50	227.00	113.50
Project coordination				
243 - Miller, Sara	8/20/2020	2.00	227.00	454.00
Review run parameters. Schedule meeting.				
Senior Technical Manager				
355 - Namvar, Reza	8/4/2020	.50	289.00	144.50
model calibration				
355 - Namvar, Reza	8/5/2020	.50	289.00	144.50
calibration refinement				
355 - Namvar, Reza	8/21/2020	.50	289.00	144.50
worked with project team on updating model calibration				
Totals		91.00		18,720.00
Labor Total				18,720.00
Total this Task				\$18,720.00

Task	0002	SMC REFINEMENT SUPPORT	Hours	Rate	Amount
Professional Personnel					
Planner 2					
202 - Honn, Emily	5/27/2021	1.50	198.00	297.00	
Export hydrographs from model files; Internal coordination					

Please include our invoice number in your remittance. Thank you.

Project	0011114.01	DAVIDS GLENN - COLUSA SUBBASIN GSP			Invoice	195891
202 - Valenzuela, George		3/30/2021	4.00	198.00	792.00	
		colusa gde analysis				
		colusa gde vicinity hydrographs				
202 - Valenzuela, George		3/31/2021	3.00	198.00	594.00	
		coluisa subbasin tac prep meeting				
		colusa streamflow depletion hydrographns				
202 - Valenzuela, George		4/6/2021	.25	198.00	49.50	
		Butte and Colusa check in call				
202 - Valenzuela, George		4/9/2021	3.25	198.00	643.50	
		CGA/GGA Joint TAC Meeting				
202 - Valenzuela, George		4/12/2021	2.00	198.00	396.00	
		Follow up Actions from 4/9/2021 Joint TAC				
202 - Valenzuela, George		4/13/2021	1.00	198.00	198.00	
		5 mile buffer map colusa				
202 - Valenzuela, George		4/14/2021	1.00	198.00	198.00	
		Colusa Subbasin stream depletion wells map				
202 - Valenzuela, George		4/15/2021	4.75	198.00	940.50	
		Butte/Colusa w&c interval draft call				
		colusa subbasin hydrographs and revusuins				
		colusa subbasin sw depletion map revisions				
202 - Valenzuela, George		4/20/2021	2.00	198.00	396.00	
		Colusa SMCs call				
		colusa subbasin sw depletion well analysis				
202 - Valenzuela, George		4/21/2021	.50	198.00	99.00	
		Five example monitoring wells five miles or more from interconnected streams map				
202 - Valenzuela, George		4/22/2021	2.50	198.00	495.00	
		Colusa SMC starting				
		Updating Colusa Subbasin monitoirng network with West Yost				
202 - Valenzuela, George		4/23/2021	3.00	198.00	594.00	
		CGA/GGA Joint TAC - extra meeting				
202 - Valenzuela, George		4/27/2021	4.00	198.00	792.00	
		colusa subbasin stream depletion analysis				
		Colusa Subbasin revised Thiessen Polygons				
202 - Valenzuela, George		5/11/2021	.75	198.00	148.50	
		colusa subbasin thiessen polygon map for stakeholder meeting				
202 - Valenzuela, George		5/13/2021	3.50	198.00	693.00	
		Colusa Subbasin tac meeting				
202 - Valenzuela, George		5/17/2021	1.00	198.00	198.00	
		Colusa gsp SMC Updates and Tasks				
202 - Valenzuela, George		6/30/2021	3.50	198.00	693.00	
		colusa hydrograph updates (GWL/SWD)				
		Preliminary MTs updates				
202 - Valenzuela, George		7/1/2021	3.50	198.00	693.00	
		colusa gsp putting together MT/MO Appendix and In-text tables for the sustainability indicators				
202 - Valenzuela, George		7/22/2021	.50	198.00	99.00	
		colusa thiessen polygon check				
		Planner 3				

Project	0011114.01	DAVIDS GLENN - COLUSA SUBBASIN GSP			Invoice	195891
203 - Eggleton, Charles		3/31/2021	3.00	224.00	672.00	
						Adjustment too and re-exporting next hydrograph collection
203 - Eggleton, Charles		4/1/2021	.50	224.00	112.00	
						Meeting prep
203 - Eggleton, Charles		4/12/2021	3.00	224.00	672.00	
						data processing support
203 - Eggleton, Charles		4/16/2021	3.00	224.00	672.00	
						KMZ preparations and hydrograph exporting
203 - Eggleton, Charles		4/21/2021	2.00	224.00	448.00	
						map edits for presentation
203 - Eggleton, Charles		4/22/2021	4.00	224.00	896.00	
						Meeting and starting section drafting
203 - Eggleton, Charles		4/23/2021	8.00	224.00	1,792.00	
						drafting SMC section, attendance at Joint TAC meeting
203 - Eggleton, Charles		4/26/2021	3.50	224.00	784.00	
						colusa meeting, redrafting GWL thresholds and hydrographs
203 - Eggleton, Charles		4/27/2021	6.75	224.00	1,512.00	
						data validations, redrafting GWL thresholds and hydrographs
203 - Eggleton, Charles		4/28/2021	1.00	224.00	224.00	
						SWD hydrographing and threshold calculating
203 - Eggleton, Charles		4/29/2021	5.50	224.00	1,232.00	
						SWD hydrographing and threshold calculating
203 - Eggleton, Charles		4/30/2021	2.00	224.00	448.00	
						SWD hydrographing and threshold calculating
203 - Eggleton, Charles		5/6/2021	.75	224.00	168.00	
						Hydrographs processing
203 - Eggleton, Charles		5/7/2021	5.00	224.00	1,120.00	
						hydrograph procesing and KMZ work
203 - Eggleton, Charles		5/10/2021	3.00	224.00	672.00	
						KMZ production
203 - Eggleton, Charles		5/12/2021	1.00	224.00	224.00	
						Colusa SMC call for water quality, preparing notes and outline about next steps for Ken and Grant.
203 - Eggleton, Charles		5/17/2021	2.50	224.00	560.00	
						Updating hydrograph per Ken/Grant's request and providing additional threshold calculation process detail.
203 - Eggleton, Charles		5/18/2021	.50	224.00	112.00	
						providing additional clarification on well 21N02W36A002 hydrograph and the special circumstance around how the fall 2015 measurement was calculated
203 - Eggleton, Charles		5/19/2021	4.25	224.00	952.00	
						prep for and attendance at Joint TAC meeting, drafting SMC chapter
203 - Eggleton, Charles		6/1/2021	.50	224.00	112.00	
						responding to Grants Emails, section writing/editing
203 - Eggleton, Charles		6/2/2021	3.00	224.00	672.00	
						Colusa Section Editing
203 - Eggleton, Charles		6/3/2021	1.75	224.00	392.00	
						Preping section for Internal Review

Please include our invoice number in your remittance. Thank you.

Project	0011114.01	DAVIDS GLENN - COLUSA SUBBASIN GSP			Invoice	195891
203 - Eggleton, Charles		6/4/2021	2.50	224.00	560.00	
		incorporating QC edits and phone call with Leslie				
203 - Eggleton, Charles		6/7/2021	2.00	224.00	448.00	
		Final edits to SMC section, and submitting it to Grant				
203 - Eggleton, Charles		6/10/2021	1.00	224.00	224.00	
		Updated SWD hydrographs with two new well additions				
203 - Eggleton, Charles		6/11/2021	3.25	224.00	728.00	
		Joint TAC meeting attendance				
203 - Eggleton, Charles		6/21/2021	1.00	224.00	224.00	
		Review of SMC draft chapter edits from Grant and Ken				
203 - Eggleton, Charles		6/22/2021	1.50	224.00	336.00	
		review and coordination of SMC Section, meeting with Leslie				
203 - Eggleton, Charles		6/24/2021	1.50	224.00	336.00	
		Colusa Consultant Team call about SMCs and hydrographs				
203 - Eggleton, Charles		6/25/2021	3.50	224.00	784.00	
		Filling out Elements guide and coordinating with Lindsay and George on SMC editing				
203 - Eggleton, Charles		7/19/2021	1.00	224.00	224.00	
		review of SMC section for supporting documentation				
203 - Eggleton, Charles		7/20/2021	3.50	224.00	784.00	
		review of SMC section for supporting documentation				
203 - Eggleton, Charles		7/22/2021	.50	224.00	112.00	
		follow up with Grant on SMC Section supporting documentation internal coordination				
203 - Eggleton, Charles		8/25/2021	3.00	224.00	672.00	
		assembly of data request				
203 - Eggleton, Charles		8/27/2021	1.50	224.00	336.00	
		assembly of data request, and emailing grant draft list of material				
203 - Eggleton, Charles		9/7/2021	1.50	224.00	336.00	
		answer subsidence questions from Colusa Team/DE, data validation				
203 - Eggleton, Charles		9/8/2021	.75	224.00	168.00	
		meeting internally about subsidence data validation questions from DE				
203 - Eggleton, Charles		9/16/2021	.50	224.00	112.00	
		Data transfer to Davids Engineering				
		Project Assistant				
237 - O'Dell, Debora		4/7/2021	.25	116.00	29.00	
		Project Support				
237 - O'Dell, Debora		4/8/2021	.25	116.00	29.00	
		Project Support				
237 - O'Dell, Debora		4/13/2021	.25	116.00	29.00	
		Project Support				
237 - O'Dell, Debora		4/14/2021	.25	116.00	29.00	
		Project Support				
237 - O'Dell, Debora		6/4/2021	.25	116.00	29.00	
		Project Support				
237 - O'Dell, Debora		7/15/2021	.25	116.00	29.00	
		Project Support				

Project	0011114.01	DAVIDS GLENN - COLUSA SUBBASIN GSP			Invoice	195891
237 - O'Dell, Debora		8/13/2021	.25	116.00	29.00	
Project Support						
237 - O'Dell, Debora		9/10/2021	.50	116.00	58.00	
Project Support						
Project Manager 2						
256 - Ayres, John		3/26/2021	5.00	281.00	1,405.00	
SMC Development						
256 - Ayres, John		3/31/2021	4.00	281.00	1,124.00	
SMC development, Prep for TAC meeting						
256 - Ayres, John		4/1/2021	4.00	281.00	1,124.00	
SMC development, Prep for TAC meeting						
256 - Ayres, John		4/6/2021	4.00	281.00	1,124.00	
Prep for 4/9 joint tac meeting						
256 - Ayres, John		4/8/2021	2.00	281.00	562.00	
Hydrograph revision						
256 - Ayres, John		4/9/2021	4.00	281.00	1,124.00	
Joint TAC meeting						
256 - Ayres, John		4/20/2021	4.00	281.00	1,124.00	
MT Preparation						
256 - Ayres, John		4/23/2021	4.00	281.00	1,124.00	
Join TAC presentation						
256 - Ayres, John		5/13/2021	4.00	281.00	1,124.00	
Joint TAC Meeting						
Senior Technical Manager						
355 - Namvar, Reza		3/26/2021	1.00	298.00	298.00	
project team meeting to discuss stream depletion and monitoring network						
355 - Namvar, Reza		3/29/2021	2.50	298.00	745.00	
Colusa model TM review and update. (1.5 hrs)						
project team meeting on SMCs and preparing for TAC meetings (1 hr)						
355 - Namvar, Reza		3/30/2021	1.00	298.00	298.00	
Model TM review. and Chapter 3 review.						
355 - Namvar, Reza		4/7/2021	.25	298.00	74.50	
project support						
355 - Namvar, Reza		4/9/2021	.25	298.00	74.50	
project support						
355 - Namvar, Reza		6/3/2021	.25	298.00	74.50	
project support						
355 - Namvar, Reza		6/17/2021	.25	298.00	74.50	
project support						
Senior Technical Practice Leader						
385 - Dumas, Leslie		6/3/2021	1.50	324.00	486.00	
chapter review						
385 - Dumas, Leslie		6/4/2021	.25	324.00	81.00	
review edits to chapter						
385 - Dumas, Leslie		6/22/2021	1.00	324.00	324.00	
call with Micah re: comments on HCM						
385 - Dumas, Leslie		6/24/2021	1.50	324.00	486.00	
conversation re SMC chapter						

Please include our invoice number in your remittance. Thank you.

Project	0011114.01	DAVIDS GLENN - COLUSA SUBBASIN GSP	Invoice	195891	
385 - Dumas, Leslie		6/25/2021	.25	324.00	81.00
		chapter rework coordination			
385 - Dumas, Leslie		6/28/2021	.25	324.00	81.00
		check in with Micah			
385 - Dumas, Leslie		6/30/2021	.50	324.00	162.00
		coordinate with George and Lindsay			
385 - Dumas, Leslie		7/1/2021	1.75	324.00	567.00
		review hydrographs; coordination			
385 - Dumas, Leslie		7/7/2021	.50	324.00	162.00
		get prelim hydrographs for Grant Davids			
385 - Dumas, Leslie		7/14/2021	.25	324.00	81.00
		discuss Grant Davids request with Micah			
385 - Taghavi, Ali		4/28/2021	1.00	324.00	324.00
		Review amendment scope			
		Totals	190.00		44,411.00
		Labor Total			44,411.00
				Total this Task	\$44,411.00

Task	0003	UPDATE SMC CHAPTER OF GSP	Hours	Rate	Amount
Professional Personnel					
		Planner 3			
203 - Eggleton, Charles		5/20/2021	5.00	224.00	1,120.00
		SMC Chapter Drafting			
203 - Eggleton, Charles		5/21/2021	4.50	224.00	1,008.00
		SMC Chapter Drafting			
203 - Eggleton, Charles		6/28/2021	4.00	224.00	896.00
		SMC Section review/ edit incorporation, coordination with team			
203 - Martien, Lindsay		6/25/2021	1.00	224.00	224.00
		Call with Micah re: review of SMC portion of elements guide			
203 - Martien, Lindsay		6/29/2021	4.50	224.00	1,008.00
		Colusa subbasin elements guide for SMC chapter			
203 - Martien, Lindsay		6/30/2021	2.50	224.00	560.00
		Reviewed chapter comments; coordination with Leslie and George on next steps for the SMC chapter updates			
203 - Martien, Lindsay		7/1/2021	6.00	224.00	1,344.00
		Updated SMC chapter and responded to comments in text; reviewed chapter to get up to speed on how the criteria were determined; reviewed TAC Slides for latest information on groundwater quality sustainability criteria			
203 - Martien, Lindsay		7/2/2021	3.00	224.00	672.00
		wrap up SMC chapter edits and update elements guide now that edits have been made to chapter text			
		Project Manager 2			
256 - Ayres, John		4/13/2021	4.00	281.00	1,124.00
		SMC Section Development			

Please include our invoice number in your remittance. Thank you.

Project	0011114.01	DAVIDS GLENN - COLUSA SUBBASIN GSP			Invoice	195891
256 - Ayres, John		4/15/2021	4.00	281.00	1,124.00	
SMC Section Development						
256 - Ayres, John		4/19/2021	4.00	281.00	1,124.00	
GSP Development						
Senior Technical Practice Leader						
385 - Dumas, Leslie		7/2/2021	3.00	324.00	972.00	
revise Colusa SMC chapter						
385 - Dumas, Leslie		7/8/2021	.25	324.00	81.00	
coordination re: final edits						
Totals			45.75		11,257.00	
Labor Total						11,257.00
					Total this Task	\$11,257.00
					Total this Phase	\$74,388.00
					Total this Project	\$74,388.00
					Total this Report	\$74,388.00



Remit Payment To:
 2020 Research Park Drive, Suite #100
 Davis, CA 95618

October 29, 2021

Invoice Number: 2047019

Mr. Grant Davids	Client Project:	Project No. 1178.03
Davids Engineering, Inc.	WY Project No:	277-60-20-11
1772 Picasso Avenue., Suite A	Contract Amount:	362,900.00
Davis, CA 95618	Job Name:	Colusa Subbasin GSP Preparation

Professional Services from October 1, 2021 to October 29, 2021

Previously Billed :	305,182.65
Total This Period :	11,956.72
Total Amount Billed to Date including This Invoice :	317,139.37
Amount Remaining in Contract :	45,760.63

Task 010 GSP Document Preparation and Adoption

Professional Personnel

	Hours	Rate	Amount
Associate Eng/Scientist/Geologist I	5.50	202.00	1,111.00
Totals	5.50		1,111.00
Total Labor			1,111.00

~~Reimbursable Expenses (Units)~~

Credit for Invoice #2046638	35.53
Total Reimbursable Expenses (Units)	35.53

Total this Task ~~\$1,075.47~~
\$1,111.00

Task 011 Hydrogeologic Investigation

Professional Personnel

	Hours	Rate	Amount
Principal Eng/Scientist/Geologist II	31.50	279.00	8,788.50
Associate Eng/Scientist/Geologist I	9.50	202.00	1,919.00
Administrative IV	1.25	139.00	173.75
Totals	42.25		10,881.25
Total Labor			10,881.25

Total this Task **\$10,881.25**

Total this Invoice **\$11,956.72**

Description of Services:

Task 1. No activity.

Task 2. No activity.

Task 3. No activity.

Task 4. No activity.

Task 5. No activity.

Task 6. No activity.

Task 7. No activity.

Task 8. No activity.

Task 9. No activity.

Task 10. Addressed comments on draft GSP, including questions on arsenic concentrations in Grimes and CDMWC boundaries.

Task 11. Responded to comments. Provided technical support for consideration of revised SMCs for land subsidence. Prepared for 10/13-15/2021 public meetings. Transmitted GIS files.

Task 12. No activity.

Outstanding Invoices

Number	Date	Balance
2047018	9/30/2021	52,859.50
Total		52,859.50

Task	Task Description	Budget Amount	Current Invoice	Total Invoiced To Date	Budget Remaining
001	Data Collection and Analysis	21,976.00	0.00	21,976.00	0.00
002	Monitoring Protocols	6,455.00	0.00	6,455.00	0.00
003	Data and Reporting Standards	9,451.00	0.00	9,451.00	0.00
004	Data Management System	5,000.00	0.00	4,999.00	1.00
005	GSP Administrative Information	21,949.00	0.00	21,949.00	0.00
006	Basin Setting	23,017.00	0.00	22,988.00	29.00
007	Sustainable Management Criteria	61,318.00	0.00	61,270.50	47.50
008	Monitoring Network	72,908.00	0.00	72,878.00	30.00
009	Projects and Management Actions	7,500.00	0.00	7,493.50	6.50
010	GSP Document Preparation and Adoption	65,278.00	1,075.47	65,202.37	75.63
011	Hydrogeologic Investigation	63,048.00	10,881.25	22,477.00	40,571.00
012	GDE Evaluation	5,000.00	0.00	0.00	5,000.00
WYA	West Yost Tracking Only	0.00	0.00	0.00	0.00
TOTAL		362,900.00	11,956.72	317,139.37	45,760.63

Please direct questions to:

Project Manager Kenneth Loy
Principal Lindsay Smith *LS*

Billing Backup

Friday, November 12, 2021

West Yost Associates, Inc.

Invoice 2047019 Dated 10/29/2021

12:55:07 PM

Task 010 GSP Document Preparation and Adoption

Professional Personnel

			Hours	Rate	Amount
Associate Eng/Scientist/Geologist I					
41 - Reimer, Anna	10/14/2021	Address comments on draft GSP.	1.00	202.00	202.00
41 - Reimer, Anna	10/15/2021	Address comments on draft GSP. Prepare for Public Meeting.	1.00	202.00	202.00
41 - Reimer, Anna	10/22/2021	Address comments on GSP.	3.50	202.00	707.00
Totals			5.50		1,111.00
Total Labor					1,111.00

Reimbursable Expenses (Units)

Credit for Invoice #2046638	35.53
	35.53

Total this Task

\$1,075.47
\$1,111.00

Task 011 Hydrogeologic Investigation

Professional Personnel

			Hours	Rate	Amount
Principal Eng/Scientist/Geologist II					
25 - Loy, Kenneth	10/4/2021	Prepared for public meetings.	2.00	279.00	558.00
25 - Loy, Kenneth	10/5/2021	Prepared PPT for public meetings.	2.00	279.00	558.00
25 - Loy, Kenneth	10/7/2021	Prepared for public meetings.	2.00	279.00	558.00
25 - Loy, Kenneth	10/11/2021	Prepared for public meetings. Presented recommended subsidence SMCs at GGA board meeting.	2.00	279.00	558.00
25 - Loy, Kenneth	10/12/2021	Prepared for public meetings. Updated TM on subsidence SMCs.	6.00	279.00	1,674.00
25 - Loy, Kenneth	10/13/2021	Prepared for and participated in public meeting.	4.00	279.00	1,116.00
25 - Loy, Kenneth	10/15/2021	Prepared for and participated in public meeting in Maxwell.	4.00	279.00	1,116.00
25 - Loy, Kenneth	10/18/2021	Addressed action items from 10/15/2021 public meeting.	1.00	279.00	279.00
25 - Loy, Kenneth	10/19/2021	Responded to comments.	2.00	279.00	558.00
25 - Loy, Kenneth	10/22/2021	Responded to comments.	1.00	279.00	279.00

Project	277-60-20-11	Colusa Subbasin GSP Preparation		Invoice	2047019
25 - Loy, Kenneth		10/25/2021	2.00	279.00	558.00
		Responded to comments.			
25 - Loy, Kenneth		10/26/2021	1.00	279.00	279.00
		Responded to comments.			
25 - Loy, Kenneth		10/27/2021	.50	279.00	139.50
		Responded to comments.			
25 - Loy, Kenneth		10/28/2021	1.00	279.00	279.00
		Responded to comments.			
25 - Loy, Kenneth		10/29/2021	1.00	279.00	279.00
		Assessed land subsidence data gaps. Responded to comments.			
Associate Eng/Scientist/Geologist I					
41 - Reimer, Anna		10/6/2021	.50	202.00	101.00
		Transmit GIS files.			
41 - Reimer, Anna		10/13/2021	6.00	202.00	1,212.00
		Address comments on draft GSP.			
41 - Reimer, Anna		10/27/2021	3.00	202.00	606.00
		Address comments/questions.			
Administrative IV					
125 - Peterson, Natalie		10/8/2021	1.25	139.00	173.75
		Presentation formatting			
		Totals	42.25		10,881.25
		Total Labor			10,881.25
				Total this Task	\$10,881.25
				Total this Project	\$11,956.72
				Total this Report	\$11,956.72 \$1,1992.25

Colusa Groundwater Authority, Proposition 1 and Proposition 68 SGWP
Agreement No. 46-00012655

Report #13; Invoice #13 (Prop. 1)
Report #7; Invoice #7 (Prop. 68)
Reporting Period: 10/1/2021-12/31/2021

Davids Engineering, Inc.
 Invoice #1178.03-4927
 Invoice total: \$59,445.45

Description of Work performed:

BUDGET CATEGORY A: GRANT ADMINISTRATION

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$0.00

BUDGET CATEGORY B: STAKEHOLDER OUTREACH AND EDUCATION

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$11,200.00

- Public Outreach
 - Public outreach to provide notice of public hearings for adoption of Colusa Subbasin GSP
-

BUDGET CATEGORY C: GSP DEVELOPMENT

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$47,515.84

- Integrated Hydrologic Modeling
 - Addressed public comments on draft GSP
- GSP Document Preparation
 - Public review complete October 31, comments were added to Administrative Record, reviewed by Consultant Team, GSA staff and Legal Counsel. Final GSP prepared with consideration of the comments received.
- Sustainable Management Criteria
 - SMC for groundwater levels revisited in one area of the subbasin. MTs were revised and folded into the final GSP

County of Colusa, Development Services Department, Water Resources Division
1213 Market Street, Colusa, CA 95932 | 530.458.0891

Colusa Groundwater Authority, Proposition 1 and Proposition 68 SGWP
Agreement No. 46-00012655

- Addressed public comments on draft GSP
 - Monitoring Network
 - Addressed public comments on draft GSP
 - Projects and Management Actions
 - Public review complete October 31. PMAs reviewed and revised with consideration to public review comments received.
 - Addressed public comments on draft GSP
 - Funding Mechanisms
 - Addressed public comments on draft GSP
-

BUDGET CATEGORY D: MONITORING AND ASSESSMENT

Invoice total – Proposition 68: \$729.61

- Work on the following GSP elements:
 - Well Monitoring Pilot Program
 - Identify options and incremental costs for expanding the Pilot program.

For Grant reporting/invoicing purposes, in Period 11, DE Inv. 4632, Travel Expenses of \$107.52, and DE Inv. 4695 travel expenses of \$29.12 were removed by Grantee. In reporting Period 13, DE Inv. 4927 credited these past travel expenses in the amount of \$136.64, which Grantee has manually added back to DE Inv. 4927.

Invoice

DAVIDS ENGINEERING, INC.
Tax ID#68-0346173
1772 Picasso Avenue, Suite A
Davis, CA 95618-0550
530/757-6107 - phone
530/757-6118 - fax

November 30, 2021
 Invoice No: 1178.03 - 4927

Lisa Hunter
 Glenn Groundwater Authority
 225 N Tehama St.
 Willows, CA 95988

Project 1178.03 Glenn Groundwater Authority - Colusa Subbasin GSP Development

Professional Services from November 1, 2021 to November 30, 2021

Task 01.00 Project Management

Professional Personnel

	Hours	Rate	Amount	
Principal Engineer				
Davids, Grant	2.50	220.00	550.00	
Secretary/Clerical II				
Clark, Cynthia	.25	95.00	23.75	
Totals	2.75		573.75	
Total Labor				573.75

Contract Amount

	Current	Prior	To-Date	
Total Billings	573.75	42,559.00	43,132.75	
Contract Amount			44,200.00	
Remaining			1,067.25	
				Total this Task
				\$573.75

Billings to Date

	Current	Prior	Total
Labor	573.75	42,559.00	43,132.75
Totals	573.75	42,559.00	43,132.75

Task 02.00 Stakeholder Outreach and Coordination

Sub-Task CS.US California State University, Sacramento

Consultants

California State University, Sacramento			
11/15/2021	California State University, Sacramento	Professional Services for August 2021 - see attached	8,328.75
11/24/2021	California State University, Sacramento	Professional Services for the month of September 2021 - see attached	2,871.25
	Total Consultants	1.0 times	11,200.00
			11,200.00

Contract Amount

	Current	Prior	To-Date
Total Billings	11,200.00	54,189.75	65,389.75
Contract Amount			104,540.15
Remaining			39,150.40

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4927
			Total this Sub-Task	\$11,200.00

Sub-Task	DE.00	Davids Engineering, Inc.			
Contract Amount			Current	Prior	To-Date
Total Billings			0.00	47,725.75	47,725.75
Contract Amount					46,759.85
			Total this Sub-Task		0.00
			Total this Task		\$11,200.00

Billings to Date

	Current	Prior	Total
Labor	0.00	47,725.75	47,725.75
Consultant	11,200.00	54,189.75	65,389.75
Totals	11,200.00	101,915.50	113,115.50

Task	03.01	Data Collection and Analysis			
Sub-Task	DE.00	Davids Engineering, Inc.			
Contract Amount			Current	Prior	To-Date
Total Billings			0.00	3,558.75	3,558.75
Contract Amount					3,559.00
Remaining					.25
			Total this Sub-Task		0.00

Sub-Task	WY.A0	West Yost Associates			
Contract Amount			Current	Prior	To-Date
Total Billings			0.00	21,976.00	21,976.00
Contract Amount					21,976.00
			Total this Sub-Task		0.00
			Total this Task		0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	3,558.75	3,558.75
Consultant	0.00	21,976.00	21,976.00
Totals	0.00	25,534.75	25,534.75

Task	03.02	Integrated Hydrologic Modeling			
Sub-Task	DE.00	Davids Engineering, Inc.			
Professional Personnel			Hours	Rate	Amount
Principal Engineer					
Davids, Grant			5.25	220.00	1,155.00
Totals			5.25		1,155.00
Total Labor					1,155.00

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4927	
Contract Amount			Current	Prior	To-Date
Total Billings			1,155.00	110,760.30	111,915.30
Contract Amount					111,913.00
Adjustment					-2.30
				Total this Sub-Task	\$1,152.70
				Total this Task	\$1,152.70

Billings to Date

	Current	Prior	Total
Labor	1,152.70	110,760.30	111,913.00
Totals	1,152.70	110,760.30	111,913.00

Task	03.03	Monitoring Protocols			
Sub-Task	DE.00	Dauids Engineering, Inc.			
Contract Amount			Current	Prior	To-Date
Total Billings			0.00	110.00	110.00
Contract Amount					110.00
				Total this Sub-Task	0.00

Sub-Task	WY.A0	West Yost Associates			
Contract Amount			Current	Prior	To-Date
Total Billings			0.00	6,455.00	6,455.00
Contract Amount					6,455.00
				Total this Sub-Task	0.00
				Total this Task	0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	110.00	110.00
Consultant	0.00	6,455.00	6,455.00
Totals	0.00	6,565.00	6,565.00

Task	03.04	Data and Reporting Standards			
Sub-Task	DE.00	Dauids Engineering, Inc.			
				Total this Sub-Task	0.00

Sub-Task	WY.A0	West Yost Associates			
Contract Amount			Current	Prior	To-Date
Total Billings			0.00	9,451.00	9,451.00
Contract Amount					9,451.00
				Total this Sub-Task	0.00
				Total this Task	0.00

Billings to Date

	Current	Prior	Total
Consultant	0.00	9,451.00	9,451.00
Totals	0.00	9,451.00	9,451.00

Task	03.05	Data Management System		
Sub-Task	DE.00	Davids Engineering, Inc.		
Contract Amount			Current	Prior
Total Billings			0.00	2,934.00
Contract Amount				21,146.00
Remaining				18,212.00
Total this Sub-Task				0.00

Sub-Task	WY.A0	West Yost Associates		
Contract Amount			Current	Prior
Total Billings			0.00	4,999.00
Contract Amount				5,000.00
Remaining				1.00
Total this Sub-Task				0.00
Total this Task				0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	2,934.00	2,934.00
Consultant	0.00	4,999.00	4,999.00
Totals	0.00	7,933.00	7,933.00

Task	03.06	GSP Administrative Information		
Sub-Task	DE.00	Davids Engineering, Inc.		
Contract Amount			Current	Prior
Total Billings			0.00	307.50
Contract Amount				307.00
Total this Sub-Task				0.00

Sub-Task	WY.A0	West Yost Associates		
Contract Amount			Current	Prior
Total Billings			0.00	21,949.00
Contract Amount				21,949.00
Total this Sub-Task				0.00
Total this Task				0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	307.50	307.50

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4927
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Consultant	0.00	21,949.00	21,949.00
Totals	0.00	22,256.50	22,256.50

Task	03.07	Basin Setting
Sub-Task	DE.00	Davids Engineering, Inc.

Professional Personnel

	Hours	Rate	Amount
Secretary/Clerical II			
Clark, Cynthia	1.50	95.00	142.50
Totals	1.50		142.50
Total Labor			142.50

Contract Amount	Current	Prior	To-Date
Total Billings	142.50	19,322.50	19,465.00
Contract Amount			19,468.00
Remaining			3.00
		Total this Sub-Task	\$142.50

Sub-Task	ER.A0	ERA Economics, LLC
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Contract Amount	Current	Prior	To-Date
Total Billings	0.00	2,455.00	2,455.00
Contract Amount			2,455.00
		Total this Sub-Task	0.00

Sub-Task	WY.A0	West Yost Associates
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Contract Amount	Current	Prior	To-Date
Total Billings	0.00	22,988.00	22,988.00
Contract Amount			23,017.00
Remaining			29.00
		Total this Sub-Task	0.00
		Total this Task	\$142.50

Billings to Date

	Current	Prior	Total
Labor	142.50	19,322.50	19,465.00
Consultant	0.00	25,443.00	25,443.00
Totals	142.50	44,765.50	44,908.00

Task	03.08	Sustainable Management Criteria
Sub-Task	DE.00	Davids Engineering, Inc.

Professional Personnel

	Hours	Rate	Amount
Technical/Project Assistant			
Davids, Joni	.25	102.00	25.50
Davids, Kristi	.50	102.00	51.00

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4927
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Secretary/Clerical I				
Schroeder, Cathy	2.50	82.00	205.00	
Totals	3.25		281.50	
Total Labor				281.50

Contract Amount	Current	Prior	To-Date	
Total Billings	281.50	52,365.70	52,647.20	
Contract Amount			52,654.00	
Remaining			6.80	
			Total this Sub-Task	\$281.50

Sub-Task	ER.A0	ERA Economics, LLC		
Contract Amount			Current	Prior
Total Billings			0.00	11,221.00
Contract Amount				11,221.00
			Total this Sub-Task	0.00

Sub-Task	WC.00	Woodard and Curran, Inc.		
Contract Amount			Current	Prior
Total Billings			0.00	154,669.25
Contract Amount				154,669.25
			Total this Sub-Task	0.00

Sub-Task	WY.A0	West Yost Associates		
Contract Amount			Current	Prior
Total Billings			0.00	61,270.50
Contract Amount				61,318.00
Remaining				47.50
			Total this Sub-Task	0.00

Total this Task **\$281.50**

Billings to Date

	Current	Prior	Total
Labor	281.50	52,365.70	52,647.20
Consultant	0.00	227,161.00	227,161.00
Add-on	0.00	-.25	-.25
Totals	281.50	279,526.45	279,807.95

Task	03.09	Monitoring Network		
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Sub-Task	DE.00	Dauids Engineering, Inc.		
Professional Personnel			Hours	Rate
Principal Engineer				Amount
Dauids, Grant			5.50	220.00
				1,210.00

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4927
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Associate Engineer/Scientist I

Klug, Katherine	2.50	165.00	412.50
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Totals	8.00		1,622.50
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Total Labor			1,622.50
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Contract Amount	Current	Prior	To-Date
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Total Billings	1,622.50	2,970.00	4,592.50
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Contract Amount			4,590.00
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Adjustment			-2.50
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Total this Sub-Task			\$1,620.00
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Sub-Task WY.A0 West Yost Associates

Contract Amount	Current	Prior	To-Date
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Total Billings	0.00	72,878.00	72,878.00
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Contract Amount			72,908.00
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Remaining			30.00
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Total this Sub-Task			0.00
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Total this Task			\$1,620.00
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Billings to Date

	Current	Prior	Total
Labor	1,620.00	2,970.00	4,590.00

Consultant	0.00	72,878.00	72,878.00
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Totals	1,620.00	75,848.00	77,468.00
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Task 03.10 Projects and Management Actions

Sub-Task DE.00 Davids Engineering, Inc.

Professional Personnel

	Hours	Rate	Amount
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Principal Engineer Davids, Grant	6.50	220.00	1,430.00
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Associate Engineer/Scientist I Klug, Katherine	1.25	165.00	206.25
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Technical/Project Assistant Davids, Joni	.25	102.00	25.50
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Totals	8.00		1,661.75
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Total Labor			1,661.75
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Contract Amount	Current	Prior	To-Date
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Total Billings	1,661.75	87,376.50	89,038.25
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Contract Amount			92,836.00
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Remaining			3,797.75
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Total this Sub-Task			\$1,661.75
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Sub-Task ER.A0 ERA Economics, LLC

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4927
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Contract Amount		Current	Prior	To-Date
Total Billings		0.00	48,363.75	48,363.75
Contract Amount				50,000.00
Remaining				1,636.25
Total this Sub-Task				0.00

Sub-Task	WY.A0	West Yost Associates		
Contract Amount		Current	Prior	To-Date
Total Billings		0.00	7,493.50	7,493.50
Contract Amount				7,500.00
Remaining				6.50
Total this Sub-Task				0.00
Total this Task				\$1,661.75

Billings to Date

	Current	Prior	Total
Labor	1,661.75	87,379.50	89,041.25
Consultant	0.00	55,857.25	55,857.25
Add-on	0.00	-3.00	-3.00
Totals	1,661.75	143,233.75	144,895.50

Task	03.11	GSP Document Preparation and Adoption		
Sub-Task	DE.00	Davids Engineering, Inc.		
Contract Amount		Current	Prior	To-Date
Total Billings		0.00	39,549.00	39,549.00
Contract Amount				39,549.00
Total this Sub-Task				0.00

Sub-Task	WY.A0	West Yost Associates		
Contract Amount		Current	Prior	To-Date
Total Billings		0.00	65,202.37	65,202.37
Contract Amount				65,278.00
Remaining				75.63
Total this Sub-Task				0.00
Total this Task				0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	39,549.00	39,549.00
Consultant	0.00	65,202.37	65,202.37
Totals	0.00	104,751.37	104,751.37

Task	04.00	Funding Mechanisms		
Sub-Task	DE.00	Davids Engineering, Inc.		

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4927
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Professional Personnel

	Hours	Rate	Amount	
Associate Engineer/Scientist I				
Klug, Katherine	23.00	165.00	3,795.00	
Totals	23.00		3,795.00	
Total Labor				3,795.00
Contract Amount	Current	Prior	To-Date	
Total Billings	3,795.00	5,890.00	9,685.00	
Contract Amount			9,680.00	
Adjustment				-5.00
		Total this Sub-Task		\$3,790.00

 Sub-Task ER.A0 ERA Economics, LLC

Consultants

ERA Economics, LLC				
11/30/2021 ERA Economics, LLC	Professional Services from		2,992.50	
	November 1 to November 30,			
	2021 - see attached			
Total Consultants		1.0 times	2,992.50	2,992.50
Contract Amount	Current	Prior	To-Date	
Total Billings	2,992.50	28,717.50	31,710.00	
Contract Amount			40,000.00	
Remaining			8,290.00	
		Total this Sub-Task		\$2,992.50
		Total this Task		\$6,782.50

Billings to Date

	Current	Prior	Total
Labor	3,790.00	5,890.00	9,680.00
Consultant	2,992.50	28,717.50	31,710.00
Totals	6,782.50	34,607.50	41,390.00

 Task 05.00 Hydrogeologic Investigation

 Sub-Task DE.00 Davids Engineering, Inc.

Professional Personnel

	Hours	Rate	Amount	
Principal Engineer				
Davids, Grant	10.50	220.00	2,310.00	
Associate Engineer/Scientist I				
Klug, Katherine	59.50	165.00	9,817.50	
Secretary/Clerical I				
Schroeder, Cathy	2.00	82.00	164.00	
Totals	72.00		12,291.50	
Total Labor				12,291.50

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4927	
Contract Amount			Current	Prior	To-Date
Total Billings			12,291.50	2,820.50	15,112.00
Contract Amount					65,099.00
Remaining					49,987.00
Total this Sub-Task					\$12,291.50

Sub-Task	WY.A0	West Yost Associates			
Consultants					
West Yost Associates, Inc.					
11/30/2021	West Yost Associates, Inc.	Professional Services from October 30 to November 26, 2021 - see attached		22,873.00	
Total Consultants			1.0 times	22,873.00	22,873.00
Contract Amount			Current	Prior	To-Date
Total Billings			22,873.00	22,477.00	45,350.00
Contract Amount					75,759.75
Remaining					30,409.75
Total this Sub-Task					\$22,873.00
Total this Task					\$35,164.50

Billings to Date			
	Current	Prior	Total
Labor	12,291.50	2,820.50	15,112.00
Consultant	22,873.00	22,477.00	45,350.00
Totals	35,164.50	25,297.50	60,462.00

Task	06.00	GDE Evaluation			
Sub-Task	DE.00	Davids Engineering, Inc.			
Contract Amount			Current	Prior	To-Date
Total Billings			0.00	15,532.50	15,532.50
Contract Amount					20,532.00
Remaining					4,999.50
Total this Sub-Task					0.00

Sub-Task	WY.A0	West Yost Associates			
Contract Amount			Current	Prior	To-Date
Total Billings			0.00	0.00	0.00
Contract Amount					5,000.00
Remaining					5,000.00
Total this Sub-Task					0.00
Total this Task					0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	15,532.50	15,532.50
Totals	0.00	15,532.50	15,532.50

Task 07.00 Well Monitoring Pilot Program
 Sub-Task DE.00 Davids Engineering, Inc.

Professional Personnel

	Hours	Rate	Amount
Associate Engineer/Scientist I Klug, Katherine	5.25	165.00	866.25
Totals	5.25		866.25
Total Labor			866.25

Additional Fees

Travel Expense Credit			-136.64
Total Additional Fees			-136.64

Contract Amount

	Current	Prior	To-Date
Total Billings	729.61	61,259.90	61,989.51
Contract Amount			66,100.00
Remaining			4,110.49
Total this Sub-Task			\$866.25 -\$729.61
Total this Task			\$866.25 -\$729.61

Billings to Date

	Current	Prior	Total
Labor	866.25	31,168.75	32,035.00
Add-on	-136.64	30,091.15	29,954.51
Totals	729.61	61,259.90	61,989.51
Total this Invoice			\$59,308.81
			\$59,445.45

Billings to Date

	Current	Prior	Total
Labor	22,379.95	464,953.75	487,333.70
Consultant	37,065.50	616,755.87	653,821.37
Add-on	-136.64	30,087.90	29,951.26
Totals	59,308.81	1,111,797.52	1,171,106.33

I certify that the above invoice is true and correct to the best of my knowledge.

Authorized By: Grant G. Davids

Date: 12/10/2021

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4927
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Billing Backup

Friday, December 10, 2021

Davids Engineering, Inc.

Invoice 4927 Dated 11/30/2021

7:26:20 AM

Project	1178.03	Glenn Groundwater Authority - Colusa Subbasin GSP Development
Task	01.00	Project Management

Professional Personnel

			Hours	Rate	Amount
Principal Engineer					
Davids, Grant	11/15/2021		1.00	220.00	220.00
GSP comments coordination call					
Davids, Grant	11/16/2021		1.50	220.00	330.00
GSP comments coordination call					
Secretary/Clerical II					
Clark, Cynthia	11/24/2021		.25	95.00	23.75
project support, accounting.					
Totals			2.75		573.75
Total Labor					573.75

Total this Task \$573.75

Task	02.00	Stakeholder Outreach and Coordination
Sub-Task	CS.US	California State University, Sacramento

Consultants

California State University, Sacramento					
AP 8385	11/15/2021	California State University, Sacramento / Professional Services for August 2021 - see attached			8,328.75
AP 8402	11/24/2021	California State University, Sacramento / Professional Services for the month of September 2021 - see attached			2,871.25
Total Consultants			1.0 times	11,200.00	11,200.00

Total this Sub-Task \$11,200.00

Total this Task \$11,200.00

Task	03.02	Integrated Hydrologic Modeling
Sub-Task	DE.00	Davids Engineering, Inc.

Professional Personnel

			Hours	Rate	Amount
Principal Engineer					
Davids, Grant	11/2/2021		2.75	220.00	605.00
Initial review of public review comments on GSP. Participate in weekly GSP Outreach team meeting					
Davids, Grant	11/17/2021		1.50	220.00	330.00

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4927
Review and comment on revisions to App 3G addressing modeling of stream-aquifer interaction				
Dauids, Grant		11/30/2021	1.00	220.00
				220.00
	Review GSP Chapter 3			
	Totals		5.25	1,155.00
	Total Labor			1,155.00
			Total this Sub-Task	\$1,155.00
			Total this Task	\$1,155.00

Task	03.07	Basin Setting			
Sub-Task	DE.00	Dauids Engineering, Inc.			
Professional Personnel					
			Hours	Rate	Amount
	Secretary/Clerical II				
Clark, Cynthia		11/3/2021	.25	95.00	23.75
	project support, accounting.				
Clark, Cynthia		11/4/2021	.25	95.00	23.75
	project support, accounting.				
Clark, Cynthia		11/10/2021	.25	95.00	23.75
	project support, accounting.				
Clark, Cynthia		11/12/2021	.50	95.00	47.50
	project support, accounting.				
Clark, Cynthia		11/15/2021	.25	95.00	23.75
	project support, accounting.				
	Totals		1.50		142.50
	Total Labor				142.50
			Total this Sub-Task		\$142.50
			Total this Task		\$142.50

Task	03.08	Sustainable Management Criteria			
Sub-Task	DE.00	Dauids Engineering, Inc.			
Professional Personnel					
			Hours	Rate	Amount
	Technical/Project Assistant				
Dauids, Joni		11/3/2021	.25	102.00	25.50
	project support, accounting				
Dauids, Kristi		11/1/2021	.25	102.00	25.50
	project support, accounting				
Dauids, Kristi		11/10/2021	.25	102.00	25.50
	project support, corrections				
	Secretary/Clerical I				
Schroeder, Cathy		11/10/2021	.50	82.00	41.00
	enter comments into GSP				
Schroeder, Cathy		11/12/2021	2.00	82.00	164.00

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4927
	enter comments into GSP			
	Totals		3.25	281.50
	Total Labor			281.50
			Total this Sub-Task	\$281.50
			Total this Task	\$281.50

Task 03.09 Monitoring Network

Sub-Task DE.00 Davids Engineering, Inc.
Professional Personnel

			Hours	Rate	Amount
	Principal Engineer				
Davids, Grant		11/5/2021	2.00	220.00	440.00
	Assemble project financial summary for review with Katie next week; review draft annual report agreement/scope				
Davids, Grant		11/23/2021	1.50	220.00	330.00
	Prepare for and participate in Team coordination meeting				
Davids, Grant		11/30/2021	2.00	220.00	440.00
	Review GSP Chapter 4				
	Associate Engineer/Scientist I				
Klug, Katherine		11/1/2021	1.50	165.00	247.50
	reviewing GSP questions/comments, preparing monthly update				
Klug, Katherine		11/2/2021	1.00	165.00	165.00
	Sacramento Valley GSP coordination; preparing monthly update				
	Totals		8.00		1,622.50
	Total Labor				1,622.50
				Total this Sub-Task	\$1,622.50
				Total this Task	\$1,622.50

Task 03.10 Projects and Management Actions

Sub-Task DE.00 Davids Engineering, Inc.
Professional Personnel

			Hours	Rate	Amount
	Principal Engineer				
Davids, Grant		11/18/2021	2.00	220.00	440.00
	Review GSP comments responses				
Davids, Grant		11/19/2021	3.50	220.00	770.00
	Review ERA revised App 5C econ analysis; review GSP comment responses.				
Davids, Grant		11/23/2021	1.00	220.00	220.00
	Team outreach and GSP prep coordination meeting				
	Associate Engineer/Scientist I				
Klug, Katherine		11/24/2021	1.25	165.00	206.25
	revising Colusa GSP appendices; responding to GSP comments				
	Technical/Project Assistant				
Davids, Joni		11/3/2021	.25	102.00	25.50

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4927
	project support, accounting			
	Totals	8.00	1,661.75	
	Total Labor			1,661.75
			Total this Sub-Task	\$1,661.75
			Total this Task	\$1,661.75

Task	04.00	Funding Mechanisms
Sub-Task	DE.00	Davids Engineering, Inc.

Professional Personnel

		Hours	Rate	Amount
Associate Engineer/Scientist I				
Klug, Katherine	11/3/2021	2.00	165.00	330.00
preparing WMPP and land subsidence memo				
Klug, Katherine	11/4/2021	2.00	165.00	330.00
updating WMPP and land subsidence memo; reviewing GSP comments; Colusa Team check-in meeting and comment discussion				
Klug, Katherine	11/8/2021	4.25	165.00	701.25
reviewing and responding to AquAlliance comments				
Klug, Katherine	11/9/2021	4.50	165.00	742.50
reviewing and responding to AquAlliance comments and admin record comments; meeting to discuss timeline for GSP completion				
Klug, Katherine	11/10/2021	8.25	165.00	1,361.25
reviewing and responding to AquAlliance and NGO comments and admin record comments; revising GSP chapters				
Klug, Katherine	11/29/2021	.50	165.00	82.50
revising responses to GSP comments; reviewing appendices				
Klug, Katherine	11/30/2021	1.50	165.00	247.50
reviewing responses to GSP comments; reviewing appendices				
Totals		23.00		3,795.00
Total Labor				3,795.00
			Total this Sub-Task	\$3,795.00

Sub-Task	ER.A0	ERA Economics, LLC
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Consultants

ERA Economics, LLC				
AP 8411	11/30/2021	ERA Economics, LLC / Professional Services from November 1 to November 30, 2021 - see attached	2,992.50	
Total Consultants			1.0 times	2,992.50
			Total this Sub-Task	\$2,992.50
			Total this Task	\$6,787.50

Task	05.00	Hydrogeologic Investigation
Sub-Task	DE.00	Davids Engineering, Inc.

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4927
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Professional Personnel

		Hours	Rate	Amount
Principal Engineer				
Davids, Grant	11/4/2021	.75	220.00	165.00
Prepare for and participate in bi-weekly GSP Team call				
Davids, Grant	11/9/2021	2.75	220.00	605.00
Team call to coordinate comment responses; review GSP comment				
Davids, Grant	11/12/2021	1.00	220.00	220.00
Team meeting to coordinate GSP comment responses				
Davids, Grant	11/14/2021	4.50	220.00	990.00
Review/process GSP comments				
Davids, Grant	11/17/2021	1.50	220.00	330.00
Client-team call to address client questions				
Associate Engineer/Scientist I				
Klug, Katherine	11/1/2021	.75	165.00	123.75
reviewing GSP questions/comments				
Klug, Katherine	11/2/2021	1.50	165.00	247.50
reviewing GSP questions/comments; comment coordination discussion with staff and the Consulting Team				
Klug, Katherine	11/11/2021	7.75	165.00	1,278.75
reviewing and responding to AquAlliance and NGO comments and admin record comments; revising GSP chapters				
Klug, Katherine	11/12/2021	9.25	165.00	1,526.25
reviewing and responding to AquAlliance and NGO comments and admin record comments; revising GSP chapters; meeting to discuss legal comments				
Klug, Katherine	11/15/2021	4.00	165.00	660.00
reviewing and responding to comment letters; meeting with WY to discuss comment responses; interbasin coordination through NCWA				
Klug, Katherine	11/16/2021	5.00	165.00	825.00
responding to comments and updating Chapter 3; reviewing and responding to comment letters; meeting with WY to discuss comment responses				
Klug, Katherine	11/17/2021	6.75	165.00	1,113.75
reviewing and responding to comment letters; reviewing and updating Appendix 3G; meeting with WY and GGA/CGA staff to discuss comment responses				
Klug, Katherine	11/18/2021	5.00	165.00	825.00
reviewing and responding to comment letters				
Klug, Katherine	11/19/2021	10.25	165.00	1,691.25
reviewing and responding to comment letters; revising Ch. 6 and 7; revising appendices				
Klug, Katherine	11/20/2021	1.25	165.00	206.25
revising Colusa GSP appendices				
Klug, Katherine	11/22/2021	3.50	165.00	577.50
revising Colusa GSP appendices; responding to GSP comments				
Klug, Katherine	11/23/2021	4.50	165.00	742.50
updating GSP maps; responding to GSP comments; meeting with GSA staff and consultant team to discuss GSP final adoption plans				
Secretary/Clerical I				
Schroeder, Cathy	11/1/2021	1.50	82.00	123.00

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4927
		print and bind documents		
Schroeder, Cathy		11/10/2021	.50	82.00
		enter comments into GSP		41.00
		Totals	72.00	12,291.50
		Total Labor		12,291.50
			Total this Sub-Task	\$12,291.50

Sub-Task	WY.A0	West Yost Associates		
Consultants				
West Yost Associates, Inc.				
AP 8430	11/30/2021	West Yost Associates, Inc. / Professional Services from October 30 to November 26, 2021 - see attached		22,873.00
		Total Consultants	1.0 times	22,873.00
			Total this Sub-Task	\$22,873.00
			Total this Task	\$35,164.50

Task	07.00	Well Monitoring Pilot Program		
Sub-Task	DE.00	Davids Engineering, Inc.		
Professional Personnel				
			Hours	Rate
				Amount
		Associate Engineer/Scientist I		
Klug, Katherine		11/1/2021	.25	165.00
		reviewing and organizing WMPP and land subsidence cost information		41.25
Klug, Katherine		11/2/2021	.75	165.00
		reviewing and organizing WMPP and land subsidence cost information		123.75
Klug, Katherine		11/3/2021	3.25	165.00
		revising and transmitting WMPP information; preparing WMPP and land subsidence memo		536.25
Klug, Katherine		11/16/2021	1.00	165.00
		summarizing WMPP total costs; revising WMPP cost summary		165.00
		Totals	5.25	866.25
		Total Labor		866.25
Additional Fees				
		Travel Expense Credit		-136.64
		Total Additional Fees		-136.64
			Total this Sub-Task	\$729.61
			Total this Task	\$729.61
			Total this Project	\$59,318.61
			Total this Report	\$59,318.61



Invoice No. 1090314
Invoice Date 11/12/2021
Account No. 000007074
Payment Terms Net 30

Due Date 12/12/2021

Total Amount Due \$8,328.75

Bill To Davids Engineering
Attn:Cynthia Clark
1772 Picasso Ave, Suite A
Davis CA 95618-0550

Questions regarding this invoice can be directed to the Bursar's Office at 916.278.6833

Table with 3 columns: Line No., Description, Identifier, Amount

Note: RE: COLUSA GSA GSP

PROJECT NO. 1178-03

CSUS PO # CE200237

8,328.75

IN ACCORDANCE WITH THE ABOVE REFERENCED CONTRACT, OUR BILLING IS SUBMITTED FOR YOUR REVIEW AND AUTHORIZATION FOR PAYMENT AS FOLLOWS:

TOTAL AMOUNT OF CONTRACT: \$ 104,540.15

TOTAL INVOICED TO DATE: \$ 62,518.50

AMOUNT REMAINING: \$ 42,021.65

AMOUNT PAID TO DATE: \$ 25,522.25

CURRENT INVOICE: \$ 8,328.75

PROFESSIONAL SERVICES FOR AUGUST 2021

(SEE ATTACHED FOR DETAILS)

*** FOR QUESTIONS REGARDING THIS INVOICE, PLEASE CONTACT TERESA OEHNINGER AT (916) 278-6581 ***

----- Please return this portion of invoice with payment -----

Total Amount Due: \$8,328.75

Please include the following on the payment:

Account No. 000007074

Invoice No. 1090314

Payable to:

California State University, Sacramento

6000 J. Street, MS 6052

Sacramento, CA 95819-6010

INVOICE 1090314

Date: November 12, 2021

To: Davids Engineering
Attn: Cynthia Clark, Accounts Payable
1772 Picasso Avenue, Suite A
Davis, CA 95618-0550

From: Teresa Oehninger

Re: Colusa GSA GSP
Project No. 1178-03

CSUS PO #CE200237

In accordance with the above referenced contract, our billing is submitted for your review and authorization for payment as follows:

Total Amount of Contract	\$	104,540.15		
Total Invoiced To Date	\$	62,518.50	% Billed	59.80%
Amount Remaining	\$	42,021.65	% Remaining	40.20%
Amount Paid to Date	\$	25,522.25		
Current Invoice	\$	8,328.75		

August 1, 2021 - August 31, 2021

Professional Services

	Hours		Rate	
Dave Ceppos, Managing Senior Mediator	26.50	@ \$	206.00	\$ 5,459.00
Corin Choppin	29.25	@ \$	95.00	\$ 2,778.75
Teresa Oehninger	1.00	@ \$	91.00	\$ 91.00
Total Professional Services:	56.75			\$ 8,328.75

Direct Expenses

Total Direct Expenses	\$	-
Total Invoice	\$	8,328.75

Please make check payable to:

California State University, Sacramento
6000 J Street, Sacramento, CA 95819-6010
Accounts Receivable - Lassen Hall 1003

Please use this revenue chartstring: 502843 TECCE 93000

Internal Reference #19-007

Davids Engineering Colusa Subbasin Groundwater Sustainability Agency
Hours by Task
August 1, 2021 - August 31, 2021

Tasks	Task 1	Task 2.1	Task 2.2	Task 2.3
Deborah Hunt	0.00	0.00	0.00	0.00
Dave Ceppos	0.00	0.00	26.50	0.00
Corin Choppin	0.00	0.00	29.25	0.00
Teresa Oehninger	1.00	0.00	0.00	0.00
Hours per Task	1.00	0.00	55.75	0.00

Total Hours: 56.75

Daily Activity Report - Colusa Subbasin GSP - Project - #1178.03

Dave Ceppos

August 2021	Work Performed	Hours Charged
1		
2		
3	2.2 Conduct Outreach and Engagement Activities	1
4		
5	2.2 Conduct Outreach and Engagement Activities	1.5
6		
7		
8		
9		
10		
11		
12	2.2 Conduct Outreach and Engagement Activities	3
13	2.2 Conduct Outreach and Engagement Activities	3
14		
15		
16		
17		
18	2.2 Conduct Outreach and Engagement Activities	1
19	2.2 Conduct Outreach and Engagement Activities	1
20		
21		
22		
23		
24		
25		
26		
27	2.2 Conduct Outreach and Engagement Activities	2
28		
29		
30	2.2 Conduct Outreach and Engagement Activities	7
31	2.2 Conduct Outreach and Engagement Activities	7
	Total	26.5

Notes

Daily Activity Report - Colusa Subbasin GSP - Project - #1178.03

Corin Choppin

August 2021	Work Performed	Hours Charged
1		
2		
3	2.2 Conduct Outreach and Engagement Activities	2.5
4		
5		
6		
7		
8		
9		
10		
11		
12		
13	2.2 Conduct Outreach and Engagement Activities	3
14		
15		
16		
17	2.2 Conduct Outreach and Engagement Activities	3
18		
19		
20	2.2 Conduct Outreach and Engagement Activities	1
21		
22		
23	2.2 Conduct Outreach and Engagement Activities	2
24	2.2 Conduct Outreach and Engagement Activities	3
25		
26	2.2 Conduct Outreach and Engagement Activities	0.75
27	2.2 Conduct Outreach and Engagement Activities	2
28		
29	2.2 Conduct Outreach and Engagement Activities	3.5
30	2.2 Conduct Outreach and Engagement Activities	4
31	2.2 Conduct Outreach and Engagement Activities	4.5
	Total	29.25

Notes

Daily Activity Report - Colusa Subbasin GSP - Project - #1178.03

Teresa Oehninger

August 2021	Work Performed	Hours Charged
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31	Project Support/Accounting-Invoicing	1
	Total	1

Notes



Invoice No. 1090378
Invoice Date 11/17/2021
Account No. 000007074
Payment Terms Net 30

Due Date 12/17/2021

Total Amount Due \$2,871.25

Bill To Davids Engineering
Attn:Cynthia Clark
1772 Picasso Ave, Suite A
Davis CA 95618-0550

Questions regarding this invoice can be directed to the Bursar's Office at 916.278.6833

Table with 4 columns: Line No., Description, Identifier, Amount

Note: RE: COLUSA GSA GSP

PROJECT NO. 1178-03 CSUS PO # CE200237

2,871.25

IN ACCORDANCE WITH THE ABOVE REFERENCED CONTRACT, OUR BILLING IS SUBMITTED FOR YOUR REVIEW AND AUTHORIZATION FOR PAYMENT AS FOLLOWS:

TOTAL AMOUNT OF CONTRACT: \$ 104,540.15
TOTAL INVOICED TO DATE: \$ 65,389.75

AMOUNT REMAINING: \$ 39,150.40
AMOUNT PAID TO DATE: \$ 25,522.25
CURRENT INVOICE: \$ 2,871.25

PROFESSIONAL SERVICES FOR SEPTEMBER 2021
(SEE ATTACHED FOR DETAILS)

*** FOR QUESTIONS REGARDING THIS INVOICE, PLEASE CONTACT TERESA OEHNINGER AT (916) 278-6581 ***

----- Please return this portion of invoice with payment -----

Total Amount Due: \$2,871.25

Please include the following on the payment:

Account No. 000007074
Invoice No. 1090378

Payable to:

California State University, Sacramento
6000 J. Street, MS 6052
Sacramento, CA 95819-6010

INVOICE 1090378

Date: November 17, 2021

To: Davids Engineering
 Attn: Cynthia Clark, Accounts Payable
 1772 Picasso Avenue, Suite A
 Davis, CA 95618-0550

From: Teresa Oehninger

Re: Colusa GSA GSP
 Project No. 1178-03

CSUS PO #CE200237

In accordance with the above referenced contract, our billing is submitted for your review and authorization for payment as follows:

Total Amount of Contract	\$	104,540.15		
Total Invoiced To Date	\$	65,389.75	% Billed	62.55%
Amount Remaining	\$	39,150.40	% Remaining	37.45%
Amount Paid to Date	\$	25,522.25		
Current Invoice	\$	2,871.25		

Professional Services

	September 1 - 30, 2021			
	Hours	Rate		
Dave Ceppos, Managing Senior Mediator	9.00 @	\$ 206.00	\$	1,854.00
Corin Choppin	9.75 @	\$ 95.00	\$	926.25
Teresa Oehninger	1.00 @	\$ 91.00	\$	91.00
Total Professional Services:	19.75		\$	2,871.25

Direct Expenses

Total Direct Expenses	\$	-
Total Invoice	\$	2,871.25

Please make check payable to:

California State University, Sacramento
 6000 J Street, Sacramento, CA 95819-6010
 Accounts Receivable - Lassen Hall 1003

Please use this revenue chartstring: 502843 TECCE 93000

Internal Reference #19-007

Davids Engineering Colusa Subbasin Groundwater Sustainability Agency
Hours by Task
September 1, 2021 - September 30, 2021

Tasks	Task 1	Task 2.1	Task 2.2	Task 2.3
Deborah Hunt	0.00	0.00	0.00	0.00
Dave Ceppos	0.00	0.00	9.00	0.00
Corin Choppin	0.00	0.00	9.75	0.00
Teresa Oehninger	1.00	0.00	0.00	0.00
Hours per Task	1.00	0.00	18.75	0.00

Total Hours: 19.75

Daily Activity Report - Colusa Subbasin GSP - Project - #1178.03

Dave Ceppos

September 2021	Work Performed	Hours Charged
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15	2.2 Conduct Outreach and Engagement Activities	3
16		
17		
18		
19		
20		
21	2.2 Conduct Outreach and Engagement Activities	2
22		
23		
24	2.2 Conduct Outreach and Engagement Activities	4
25		
26		
27		
28		
29		
30		
31		
Total		9

Notes

Daily Activity Report - Colusa Subbasin GSP - Project - #1178.03

Corin Choppin

September 2021	Work Performed	Hours Charged
1	2.2 Conduct Outreach and Engagement Activities	1.75
2	2.2 Conduct Outreach and Engagement Activities	0.5
3	2.2 Conduct Outreach and Engagement Activities	0.75
4		
5		
6	2.2 Conduct Outreach and Engagement Activities	0.5
7	2.2 Conduct Outreach and Engagement Activities	1.5
8		
9		
10		
11		
12		
13	2.2 Conduct Outreach and Engagement Activities	0.5
14	2.2 Conduct Outreach and Engagement Activities	0.5
15		
16		
17		
18		
19		
20		
21	2.2 Conduct Outreach and Engagement Activities	0.75
22		
23		
24		
25		
26		
27		
28	2.2 Conduct Outreach and Engagement Activities	1.75
29	2.2 Conduct Outreach and Engagement Activities	0.5
30	2.2 Conduct Outreach and Engagement Activities	0.75
31		
	Total	9.75

Notes

Daily Activity Report - Colusa Subbasin GSP - Project - #1178.03

Teresa Oehninger

September 2021	Work Performed	Hours Charged
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30	Project Support/Accounting-Invoicing	1
31		
	Total	1

Notes

INVOICE

From

ERA Economics, LLC

1111 Kennedy Place, Suite 4
Davis, CA 95616
530.341.3374

Invoice ID

DE20f.11

Issue Date

12/06/2021

Due Date

01/05/2022 (Net 30)

Subject

Colusa Subbasin GSP

Invoice For

Davids Engineering

1772 Picasso Avenue, Suite A
Davis CA 95618

Description	Quantity	Unit Price	Amount
[DE20f] Colusa Subbasin GSP - 11/12/2021 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Review GSP comments and respond to DE re: funding/financing; call with GSP team and legal	1.75	\$185.00	\$323.75
[DE20f] Colusa Subbasin GSP - 11/15/2021 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Review IP and PMA chapters re: OAWD costs; coordination with Grant and Katie. Draft responses to GSP comment (comment re: water markets).	2.00	\$185.00	\$370.00
[DE20f] Colusa Subbasin GSP - 11/17/2021 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Review PMA costs and GSP chapters -- coordinate with DE and WY on how to update the costs and GSP	0.75	\$185.00	\$138.75
[DE20f] Colusa Subbasin GSP - 11/17/2021 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Meeting with Eugene re: PMA cost update for OAWD. Review files and updates.	1.00	\$185.00	\$185.00
[DE20f] Colusa Subbasin GSP - 11/17/2021 - Task 4: Funding Mechanisms Review / Eugene Binunsky: Completed OAWD Annexation Capital Costs edit for excel workbooks, Ch.6, Ch.7, Appendix 7a, ES, etc.	1.50	\$100.00	\$150.00
[DE20f] Colusa Subbasin GSP - 11/18/2021 - Task 4: Funding Mechanisms Review / Brooks Ronspies: - MT/MO Review	2.50	\$135.00	\$337.50
[DE20f] Colusa Subbasin GSP - 11/18/2021 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Meet with brooks re: well impact apdx; meet with Eugene re: PMA costs; revise PMA cost chapter; finish drafting responses to comments, upload to DE SP and coordination with DE team	4.00	\$185.00	\$740.00
[DE20f] Colusa Subbasin GSP - 11/18/2021 - Task 4: Funding Mechanisms Review / Eugene Binunsky: Tracked changes for edits to PMA costs for OAWD annex. Applied to all relevant chapters.	1.00	\$100.00	\$100.00
[DE20f] Colusa Subbasin GSP - 11/19/2021 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Finalize edits to ch 6 and 7; apdx 5c, 6c, 6b, 7a; review brooks' analysis; misc coord with grant and katie; send final files to DE team	3.50	\$185.00	\$647.50

Amount Due **\$2,992.50**

Notes

Colusa Subbasin Groundwater Sustainability Plan
Davids Engineering PROJECT NUMBER: 1178.03

ERA work performed 11/1/21 - 11/30/21. Budget Summary:

Task 4: Funding Mechanisms Review
Task 4 Budget: \$39,180
This invoice: \$2,992.5
Total invoiced: \$31,710



Remit Payment To:
2020 Research Park Drive, Suite #100
Davis, CA 95618

November 26, 2021

Invoice Number: 2047377

Mr. Grant Davids	Client Project:	Project No. 1178.03
Davids Engineering, Inc.	WY Project No:	277-60-20-11
1772 Picasso Avenue., Suite A	Contract Amount:	362,900.00
Davis, CA 95618	Job Name:	Colusa Subbasin GSP Preparation

Professional Services from October 30, 2021 to November 26, 2021

Previously Billed :	317,139.37
Total This Period :	22,873.00
Total Amount Billed to Date including This Invoice :	340,012.37
Amount Remaining in Contract :	22,887.63

Task 011 Hydrogeologic Investigation

Professional Personnel

	Hours	Rate	Amount
Vice President	.25	307.00	76.75
Principal Eng/Scientist/Geologist II	43.00	279.00	11,997.00
Associate Eng/Scientist/Geologist I	44.00	202.00	8,888.00
Administrative IV	13.75	139.00	1,911.25
Totals	101.00		22,873.00
Total Labor			22,873.00
		Total this Task	\$22,873.00
		Total this Invoice	\$22,873.00

Description of Services:

Task 1. No activity. Task 2. No activity. Task 3. No activity. Task 4. No activity. Task 5. No activity. Task 6. No activity. Task 7. No activity. Task 8. No activity. Task 9. No activity. Task 10. No activity. Task 11. Assessed and reported on land subsidence benchmark costs. Reviewed and responded to comments on public draft GSP. Participated in NCWA GSP coordination meetings on 11/2/2021 and 11/15/2021. Prepared final GSP for CGA and GGA Boards' adoption. Task 12. No activity.

Outstanding Invoices

Number	Date	Balance
2047019	10/29/2021	11,956.72
Total		11,956.72

Project

277-60-20-11


Colusa Subbasin GSP Preparation

Invoice

2047377

Task	Task Description	Budget Amount	Current Invoice	Total Invoiced To Date	Budget Remaining
001	Data Collection and Analysis	21,976.00	0.00	21,976.00	0.00
002	Monitoring Protocols	6,455.00	0.00	6,455.00	0.00
003	Data and Reporting Standards	9,451.00	0.00	9,451.00	0.00
004	Data Management System	5,000.00	0.00	4,999.00	1.00
005	GSP Administrative Information	21,949.00	0.00	21,949.00	0.00
006	Basin Setting	23,017.00	0.00	22,988.00	29.00
007	Sustainable Management Criteria	61,318.00	0.00	61,270.50	47.50
008	Monitoring Network	72,908.00	0.00	72,878.00	30.00
009	Projects and Management Actions	7,500.00	0.00	7,493.50	6.50
010	GSP Document Preparation and Adoption	65,278.00	0.00	65,202.37	75.63
011	Hydrogeologic Investigation	63,048.00	22,873.00	45,350.00	17,698.00
012	GDE Evaluation	5,000.00	0.00	0.00	5,000.00
WYA	West Yost Tracking Only	0.00	0.00	0.00	0.00
TOTAL		362,900.00	22,873.00	340,012.37	22,887.63

Please direct questions to:

Project Manager Kenneth Loy
Principal Lindsay Smith 

Billing Backup

Monday, December 6, 2021

West Yost Associates, Inc.

Invoice 2047377 Dated 11/26/2021

1:35:27 PM

Task 011 Hydrogeologic Investigation

Professional Personnel

			Hours	Rate	Amount
Vice President					
15 - Drayer, Elizabeth	11/15/2021	project review	.25	307.00	76.75
Principal Eng/Scientist/Geologist II					
25 - Loy, Kenneth	11/1/2021	Assessed land subsidence benchmark costs.	1.00	279.00	279.00
25 - Loy, Kenneth	11/2/2021	Participated in NCWA interbasin coordination meeting to review GSP comment letters. Participated in coordination meeting with CGA and GGA staff to coordinate responses to comments. Documented strategy and unit cost for constructing and surveying additional subsidence benchmarks.	3.00	279.00	837.00
25 - Loy, Kenneth	11/8/2021	Responded to comments.	2.00	279.00	558.00
25 - Loy, Kenneth	11/9/2021	Responded to comments.	2.00	279.00	558.00
25 - Loy, Kenneth	11/10/2021	Reviewed compiled comments.	2.00	279.00	558.00
25 - Loy, Kenneth	11/12/2021	Responded to comments.	2.00	279.00	558.00
25 - Loy, Kenneth	11/15/2021	Responded to comments. Participated in NCWA comment coordination call.	4.00	279.00	1,116.00
25 - Loy, Kenneth	11/16/2021	Responded to comments.	4.00	279.00	1,116.00
25 - Loy, Kenneth	11/17/2021	Responded to comments.	4.00	279.00	1,116.00
25 - Loy, Kenneth	11/18/2021	Responded to comments.	6.00	279.00	1,674.00
25 - Loy, Kenneth	11/19/2021	Responded to comments.	6.00	279.00	1,674.00
25 - Loy, Kenneth	11/22/2021	Responded to comments.	7.00	279.00	1,953.00
Associate Eng/Scientist/Geologist I					
41 - Reimer, Anna	11/5/2021	Prepare GSP.	1.50	202.00	303.00
41 - Reimer, Anna	11/12/2021	Prepare GSP.	4.00	202.00	808.00
41 - Reimer, Anna	11/15/2021	Prepare GSP.	4.50	202.00	909.00
41 - Reimer, Anna	11/16/2021	Prepare GSP.	5.00	202.00	1,010.00

Project	277-60-20-11	Colusa Subbasin GSP Preparation			Invoice	2047377
41 - Reimer, Anna		11/17/2021	2.00	202.00		404.00
	Prepare GSP.					
41 - Reimer, Anna		11/18/2021	3.50	202.00		707.00
	Prepare GSP.					
41 - Reimer, Anna		11/19/2021	6.00	202.00		1,212.00
	Prepare GSP.					
41 - Reimer, Anna		11/22/2021	5.50	202.00		1,111.00
	Prepare GSP.					
41 - Reimer, Anna		11/23/2021	6.00	202.00		1,212.00
	Prepare GSP.					
41 - Reimer, Anna		11/24/2021	6.00	202.00		1,212.00
	Prepare GSP.					
Administrative IV						
125 - Encelan, Christine		11/22/2021	3.00	139.00		417.00
125 - Encelan, Christine		11/23/2021	4.75	139.00		660.25
125 - Encelan, Christine		11/24/2021	6.00	139.00		834.00
	Totals		101.00			22,873.00
	Total Labor					22,873.00
					Total this Task	\$22,873.00
					Total this Project	\$22,873.00
					Total this Report	\$22,873.00

Colusa Groundwater Authority, Proposition 1 and Proposition 68 SGWP
Agreement No. 46-00012655

Report #13; Invoice #13 (Prop. 1)
Report #7; Invoice #7 (Prop. 68)
Reporting Period: 10/1/2021-12/31/2021

Davids Engineering, Inc.
Invoice #1178.03-4976
Invoice total: \$39,988.50

Description of Work performed:

BUDGET CATEGORY A: GRANT ADMINISTRATION

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$0.00

BUDGET CATEGORY B: STAKEHOLDER OUTREACH AND EDUCATION

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$6,473.75

- Work on the following elements:
 - Prepare outreach materials for Public Hearing for Adoption of Plan
-

BUDGET CATEGORY C: GSP DEVELOPMENT

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$33,514.75

- Work on the following elements:
 - GSP Document Preparation and Adoption
 - Final GSP prepared with consideration of public comments received
 - Attend GSP adoption hearings
 - Began uploading GSP to SGMA portal
 - Annual Report
 - GSA staff submitted grant amendment to allocate funding for the Annual Report

County of Colusa, Development Services Department, Water Resources Division
1213 Market Street, Colusa, CA 95932 | 530.458.0891

Colusa Groundwater Authority, Proposition 1 and Proposition 68 SGWP
Agreement No. 46-00012655

BUDGET CATEGORY D: MONITORING AND ASSESSMENT

Invoice total – Proposition 68: \$0.00

- Work on the following elements:
 - Well Monitoring Pilot Program
 - GSA staff submitted grant amendment to allocate funding for expansion of the WMPP

Invoice

DAVIDS ENGINEERING, INC.
Tax ID#68-0346173
1772 Picasso Avenue, Suite A
Davis, CA 95618-0550
530/757-6107 - phone
530/757-6118 - fax

December 31, 2021
 Invoice No: 1178.03 - 4976

Lisa Hunter
 Glenn Groundwater Authority
 225 N Tehama St.
 Willows, CA 95988

Project 1178.03 Glenn Groundwater Authority - Colusa Subbasin GSP Development
Professional Services from December 1, 2021 to December 31, 2021

Task 01.00 Project Management

Professional Personnel

	Hours	Rate	Amount	
Principal Engineer				
Davids, Grant	.25	220.00	55.00	
Secretary/Clerical II				
Clark, Cynthia	2.00	95.00	190.00	
Totals	2.25		245.00	
Total Labor				245.00

Contract Amount	Current	Prior	To-Date	
Total Billings	245.00	43,132.75	43,377.75	
Contract Amount			44,200.00	
Remaining			822.25	
				Total this Task
				\$245.00

Billings to Date

	Current	Prior	Total
Labor	245.00	43,132.75	43,377.75
Totals	245.00	43,132.75	43,377.75

Task 02.00 Stakeholder Outreach and Coordination

Sub-Task CS.US California State University, Sacramento

Consultants

California State University, Sacramento				
12/13/2021	California State University, Sacramento	Professional Services for October, 2021 - see attached	6,473.75	
	Total Consultants	1.0 times	6,473.75	6,473.75

Contract Amount	Current	Prior	To-Date	
Total Billings	6,473.75	65,389.75	71,863.50	
Contract Amount			104,540.15	
Remaining			32,676.65	
				Total this Sub-Task
				\$6,473.75

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4976
Sub-Task	DE.00	Davids Engineering, Inc.		
Contract Amount			Current	Prior
Total Billings			0.00	47,725.75
Contract Amount				46,759.85
			Total this Sub-Task	0.00
			Total this Task	\$6,473.75

Billings to Date

	Current	Prior	Total
Labor	0.00	47,725.75	47,725.75
Consultant	6,473.75	65,389.75	71,863.50
Totals	6,473.75	113,115.50	119,589.25

Task	03.01	Data Collection and Analysis		
Sub-Task	DE.00	Davids Engineering, Inc.		
Contract Amount			Current	Prior
Total Billings			0.00	3,558.75
Contract Amount				3,559.00
Remaining				.25
			Total this Sub-Task	0.00

Sub-Task	WY.A0	West Yost Associates		
Contract Amount			Current	Prior
Total Billings			0.00	21,976.00
Contract Amount				21,976.00
			Total this Sub-Task	0.00
			Total this Task	0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	3,558.75	3,558.75
Consultant	0.00	21,976.00	21,976.00
Totals	0.00	25,534.75	25,534.75

Task	03.02	Integrated Hydrologic Modeling		
Sub-Task	DE.00	Davids Engineering, Inc.		
Contract Amount			Current	Prior
Total Billings			0.00	111,913.00
Contract Amount				111,913.00
			Total this Sub-Task	0.00
			Total this Task	0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	111,913.00	111,913.00
Totals	0.00	111,913.00	111,913.00

Task	03.03	Monitoring Protocols		
Sub-Task	DE.00	Davids Engineering, Inc.		
Contract Amount			Current	Prior
Total Billings			0.00	110.00
Contract Amount				110.00
Total this Sub-Task				0.00

Sub-Task	WY.A0	West Yost Associates		
Contract Amount			Current	Prior
Total Billings			0.00	6,455.00
Contract Amount				6,455.00
Total this Sub-Task				0.00
Total this Task				0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	110.00	110.00
Consultant	0.00	6,455.00	6,455.00
Totals	0.00	6,565.00	6,565.00

Task	03.04	Data and Reporting Standards		
Sub-Task	DE.00	Davids Engineering, Inc.		
Total this Sub-Task				0.00

Sub-Task	WY.A0	West Yost Associates		
Contract Amount			Current	Prior
Total Billings			0.00	9,451.00
Contract Amount				9,451.00
Total this Sub-Task				0.00
Total this Task				0.00

Billings to Date

	Current	Prior	Total
Consultant	0.00	9,451.00	9,451.00
Totals	0.00	9,451.00	9,451.00

Task	03.05	Data Management System		
Sub-Task	DE.00	Davids Engineering, Inc.		

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4976
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Contract Amount		Current	Prior	To-Date
Total Billings		0.00	2,934.00	2,934.00
Contract Amount				21,146.00
Remaining				18,212.00
Total this Sub-Task				0.00

Sub-Task	WY.A0	West Yost Associates		
Contract Amount		Current	Prior	To-Date
Total Billings		0.00	4,999.00	4,999.00
Contract Amount				5,000.00
Remaining				1.00
Total this Sub-Task				0.00
Total this Task				0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	2,934.00	2,934.00
Consultant	0.00	4,999.00	4,999.00
Totals	0.00	7,933.00	7,933.00

Task	03.06	GSP Administrative Information		
Sub-Task	DE.00	Davids Engineering, Inc.		
Contract Amount		Current	Prior	To-Date
Total Billings		0.00	307.50	307.50
Contract Amount				307.00
Total this Sub-Task				0.00

Sub-Task	WY.A0	West Yost Associates		
Contract Amount		Current	Prior	To-Date
Total Billings		0.00	21,949.00	21,949.00
Contract Amount				21,949.00
Total this Sub-Task				0.00
Total this Task				0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	307.50	307.50
Consultant	0.00	21,949.00	21,949.00
Totals	0.00	22,256.50	22,256.50

Task	03.07	Basin Setting		
Sub-Task	DE.00	Davids Engineering, Inc.		

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4976
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Contract Amount		Current	Prior	To-Date
Total Billings		0.00	19,465.00	19,465.00
Contract Amount				19,468.00
Remaining				3.00
Total this Sub-Task				0.00

Sub-Task	ER.A0	ERA Economics, LLC		
Contract Amount		Current	Prior	To-Date
Total Billings		0.00	2,455.00	2,455.00
Contract Amount				2,455.00
Total this Sub-Task				0.00

Sub-Task	WY.A0	West Yost Associates		
Contract Amount		Current	Prior	To-Date
Total Billings		0.00	22,988.00	22,988.00
Contract Amount				23,017.00
Remaining				29.00
Total this Sub-Task				0.00
Total this Task				0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	19,465.00	19,465.00
Consultant	0.00	25,443.00	25,443.00
Totals	0.00	44,908.00	44,908.00

Task	03.08	Sustainable Management Criteria		
Sub-Task	DE.00	Davids Engineering, Inc.		
Contract Amount		Current	Prior	To-Date
Total Billings		0.00	52,647.20	52,647.20
Contract Amount				52,654.00
Remaining				6.80
Total this Sub-Task				0.00

Sub-Task	ER.A0	ERA Economics, LLC		
Contract Amount		Current	Prior	To-Date
Total Billings		0.00	11,221.00	11,221.00
Contract Amount				11,221.00
Total this Sub-Task				0.00

Sub-Task	WC.00	Woodard and Curran, Inc.		
Contract Amount		Current	Prior	To-Date
Total Billings		0.00	154,669.25	154,669.25
Contract Amount				154,669.25

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4976
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Total this Sub-Task 0.00

Sub-Task WY.A0 West Yost Associates

Contract Amount	Current	Prior	To-Date
Total Billings	0.00	61,270.50	61,270.50
Contract Amount			61,318.00
Remaining			47.50

Total this Sub-Task 0.00

Total this Task 0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	52,647.20	52,647.20
Consultant	0.00	227,161.00	227,161.00
Add-on	0.00	-.25	-.25
Totals	0.00	279,807.95	279,807.95

Task 03.09 Monitoring Network

Sub-Task DE.00 Davids Engineering, Inc.

Contract Amount	Current	Prior	To-Date
Total Billings	0.00	4,590.00	4,590.00
Contract Amount			4,590.00

Total this Sub-Task 0.00

Sub-Task WY.A0 West Yost Associates

Contract Amount	Current	Prior	To-Date
Total Billings	0.00	72,878.00	72,878.00
Contract Amount			72,908.00
Remaining			30.00

Total this Sub-Task 0.00

Total this Task 0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	4,590.00	4,590.00
Consultant	0.00	72,878.00	72,878.00
Totals	0.00	77,468.00	77,468.00

Task 03.10 Projects and Management Actions

Sub-Task DE.00 Davids Engineering, Inc.

Professional Personnel

	Hours	Rate	Amount
Principal Engineer Davids, Grant	14.00	220.00	3,080.00

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4976
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Technical/Project Assistant

Davids, Joni	1.50	102.00	153.00
Davids, Kristi	.75	102.00	76.50
Totals	16.25		3,309.50

Total Labor

3,309.50

Contract Amount

	Current	Prior	To-Date
Total Billings	3,309.50	89,038.25	92,347.75
Contract Amount			92,836.00
Remaining			488.25

Total this Sub-Task \$3,309.50

Sub-Task ER.A0 ERA Economics, LLC

Contract Amount

	Current	Prior	To-Date
Total Billings	0.00	48,363.75	48,363.75
Contract Amount			50,000.00
Remaining			1,636.25

Total this Sub-Task 0.00

Sub-Task WY.A0 West Yost Associates

Contract Amount

	Current	Prior	To-Date
Total Billings	0.00	7,493.50	7,493.50
Contract Amount			7,500.00
Remaining			6.50

Total this Sub-Task 0.00

Total this Task \$3,309.50

Billings to Date

	Current	Prior	Total
Labor	3,309.50	89,041.25	92,350.75
Consultant	0.00	55,857.25	55,857.25
Add-on	0.00	-3.00	-3.00
Totals	3,309.50	144,895.50	148,205.00

Task 03.11 GSP Document Preparation and Adoption

Sub-Task DE.00 Davids Engineering, Inc.

Contract Amount

	Current	Prior	To-Date
Total Billings	0.00	39,549.00	39,549.00
Contract Amount			39,549.00

Total this Sub-Task 0.00

Sub-Task WY.A0 West Yost Associates

Contract Amount

	Current	Prior	To-Date
Total Billings	0.00	65,202.37	65,202.37
Contract Amount			65,278.00
Remaining			75.63

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4976
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Total this Sub-Task 0.00

Total this Task 0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	39,549.00	39,549.00
Consultant	0.00	65,202.37	65,202.37
Totals	0.00	104,751.37	104,751.37

Task 04.00 Funding Mechanisms

Sub-Task DE.00 Davids Engineering, Inc.

Contract Amount	Current	Prior	To-Date
Total Billings	0.00	9,680.00	9,680.00
Contract Amount			9,680.00

Total this Sub-Task 0.00

Sub-Task ER.A0 ERA Economics, LLC

Contract Amount	Current	Prior	To-Date
Total Billings	0.00	31,710.00	31,710.00
Contract Amount			40,000.00
Remaining			8,290.00

Total this Sub-Task 0.00

Total this Task 0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	9,680.00	9,680.00
Consultant	0.00	31,710.00	31,710.00
Totals	0.00	41,390.00	41,390.00

Task 05.00 Hydrogeologic Investigation

Sub-Task DE.00 Davids Engineering, Inc.

Professional Personnel

	Hours	Rate	Amount
Principal Engineer			
Davids, Grant	15.50	220.00	3,410.00
Associate Engineer/Scientist I			
Klug, Katherine	27.25	165.00	4,496.25
Totals	42.75		7,906.25
Total Labor			7,906.25

Contract Amount	Current	Prior	To-Date
Total Billings	7,906.25	15,112.00	23,018.25
Contract Amount			65,099.00
Remaining			42,080.75

Total this Sub-Task \$7,906.25

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4976
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Sub-Task	WY.A0	West Yost Associates
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Consultants

West Yost Associates, Inc.

12/31/2021	West Yost Associates, Inc.	Professional Services from November 27 to December 31, 2021 - see attached	22,054.00
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Total Consultants	1.0 times	22,054.00	22,054.00
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Contract Amount

	Current	Prior	To-Date
Total Billings	22,054.00	45,350.00	67,404.00
Contract Amount			75,759.75
Remaining			8,355.75

Total this Sub-Task	\$22,054.00
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Total this Task	\$29,960.25
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Billings to Date

	Current	Prior	Total
Labor	7,906.25	15,112.00	23,018.25
Consultant	22,054.00	45,350.00	67,404.00
Totals	29,960.25	60,462.00	90,422.25

Task	06.00	GDE Evaluation
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Sub-Task	DE.00	Davids Engineering, Inc.
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Contract Amount

	Current	Prior	To-Date
Total Billings	0.00	15,532.50	15,532.50
Contract Amount			20,532.00
Remaining			4,999.50

Total this Sub-Task	0.00
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Sub-Task	WY.A0	West Yost Associates
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Contract Amount

	Current	Prior	To-Date
Total Billings	0.00	0.00	0.00
Contract Amount			5,000.00
Remaining			5,000.00

Total this Sub-Task	0.00
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Total this Task	0.00
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Billings to Date

	Current	Prior	Total
Labor	0.00	15,532.50	15,532.50
Totals	0.00	15,532.50	15,532.50

Task	07.00	Well Monitoring Pilot Program
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Sub-Task	DE.00	Davids Engineering, Inc.
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Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4976
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Contract Amount	Current	Prior	To-Date	
Total Billings	0.00	61,989.51	61,989.51	
Contract Amount			66,100.00	
Remaining			4,110.49	
Total this Sub-Task				0.00
Total this Task				0.00

Billings to Date

	Current	Prior	Total
Labor	0.00	32,035.00	32,035.00
Add-on	0.00	29,954.51	29,954.51
Totals	0.00	61,989.51	61,989.51

Total this Invoice **\$39,988.50**

Outstanding Invoices

Number	Date	Balance
4881	10/31/2021	96,539.72
4927	11/30/2021	59,308.81
Total		155,848.53

Total Now Due **\$195,837.03**

Billings to Date

	Current	Prior	Total
Labor	11,460.75	487,333.70	498,794.45
Consultant	28,527.75	653,821.37	682,349.12
Add-on	0.00	29,951.26	29,951.26
Totals	39,988.50	1,171,106.33	1,211,094.83

I certify that the above invoice is true and correct to the best of my knowledge.

Authorized By: _____ 

Date: 01/10/2022

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4976
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Billing Backup

Monday, January 10, 2022

Davids Engineering, Inc.

Invoice 4976 Dated 12/31/2021

2:08:13 PM

Project	1178.03	Glenn Groundwater Authority - Colusa Subbasin GSP Development
Task	01.00	Project Management

Professional Personnel

		Hours	Rate	Amount
Principal Engineer				
Davids, Grant	12/22/2021	.25	220.00	55.00
Review draft November progress report				
Secretary/Clerical II				
Clark, Cynthia	12/6/2021	.25	95.00	23.75
Project support, accounting				
Clark, Cynthia	12/7/2021	.50	95.00	47.50
Project support, accounting				
Clark, Cynthia	12/9/2021	1.00	95.00	95.00
Project support, accounting				
Clark, Cynthia	12/10/2021	.25	95.00	23.75
Project support, accounting				
Totals		2.25		245.00
Total Labor				245.00
			Total this Task	\$245.00

Task	02.00	Stakeholder Outreach and Coordination
Sub-Task	CS.US	California State University, Sacramento

Consultants

California State University, Sacramento				
AP 8462	12/13/2021	California State University, Sacramento / Professional Services for October, 2021 - see attached		6,473.75
Total Consultants			1.0 times	6,473.75
			Total this Sub-Task	\$6,473.75
			Total this Task	\$6,473.75

Task	03.10	Projects and Management Actions
Sub-Task	DE.00	Davids Engineering, Inc.

Professional Personnel

		Hours	Rate	Amount
Principal Engineer				
Davids, Grant	12/6/2021	.75	220.00	165.00
Internal team communications and coordination				
Davids, Grant	12/7/2021	2.00	220.00	440.00
Prepare for and participate in NCWA SGMA interbasin coordination call				
Davids, Grant	12/8/2021	2.50	220.00	550.00
Internal team communications and coordination				

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4976	
Dauids, Grant		12/9/2021	1.75	220.00	385.00
		Internal team communications and coordination			
Dauids, Grant		12/13/2021	1.00	220.00	220.00
		Internal team communications and coordination			
Dauids, Grant		12/14/2021	4.00	220.00	880.00
		Internal team work planning and communications; participate in GGA meeting/GSP adoption public hearing			
Dauids, Grant		12/15/2021	1.00	220.00	220.00
		Internal team communications and coordination			
Dauids, Grant		12/21/2021	1.00	220.00	220.00
		Internal team communications and coordination			
		Technical/Project Assistant			
Dauids, Joni		12/8/2021	1.50	102.00	153.00
		project support, accounting			
Dauids, Kristi		12/1/2021	.25	102.00	25.50
		project support, accounting			
Dauids, Kristi		12/6/2021	.25	102.00	25.50
		project support, accounting			
Dauids, Kristi		12/16/2021	.25	102.00	25.50
		project support, accounting			
		Totals	16.25		3,309.50
		Total Labor			3,309.50
				Total this Sub-Task	\$3,309.50
				Total this Task	\$3,309.50

Task	05.00	Hydrogeologic Investigation
Sub-Task	DE.00	Dauids Engineering, Inc.

Professional Personnel

		Hours	Rate	Amount
	Principal Engineer			
Dauids, Grant	12/1/2021	6.50	220.00	1,430.00
	Review/edit final GSP chapters and appendices			
Dauids, Grant	12/2/2021	6.75	220.00	1,485.00
	Review/edit final GSP chapters and appendices			
Dauids, Grant	12/3/2021	2.25	220.00	495.00
	Review/edit final GSP chapters and appendices			
	Associate Engineer/Scientist I			
Klug, Katherine	12/1/2021	9.75	165.00	1,608.75
	reviewing and revising Colusa GSP documents; updating and reviewing comment tracker			
Klug, Katherine	12/2/2021	2.00	165.00	330.00
	reviewing and revising Colusa GSP documents; updating and reviewing comment tracker			
Klug, Katherine	12/3/2021	1.75	165.00	288.75
	reviewing and revising Colusa GSP documents			
Klug, Katherine	12/6/2021	1.75	165.00	288.75
	coordinating GSP follow-up activities (comment review, annual report agreement and subcontracting)			

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	4976
Klug, Katherine	12/7/2021	2.00 165.00	330.00	
		NCWA SGMA coordination call and discussion, compiling and distributing notes		
Klug, Katherine	12/8/2021	.25 165.00	41.25	
		coordinating GSP follow-up activities (annual report outreach)		
Klug, Katherine	12/9/2021	.50 165.00	82.50	
		reviewing suggested contract updates and comments on Annual Report agreement from L. Hunter		
Klug, Katherine	12/14/2021	3.00 165.00	495.00	
		reviewing status of contract work; preparing punch list summary; participating in GGA public meeting		
Klug, Katherine	12/15/2021	1.00 165.00	165.00	
		reviewing and summarizing SGMA portal upload requirements; starting upload process		
Klug, Katherine	12/16/2021	.50 165.00	82.50	
		coordinating GSP and SGMA work next steps; reviewing annual report and DMS status; reviewing preface typo corrections		
Klug, Katherine	12/17/2021	.25 165.00	41.25	
		coordinating GSP and SGMA work next steps		
Klug, Katherine	12/20/2021	1.75 165.00	288.75	
		updating and coordinating punch list, GSP upload		
Klug, Katherine	12/21/2021	2.25 165.00	371.25	
		updating and coordinating punch list, GSP upload, preparing November project update		
Klug, Katherine	12/22/2021	.50 165.00	82.50	
		preparing and updating SGMA portal uploads		
	Totals	42.75	7,906.25	
	Total Labor			7,906.25
			Total this Sub-Task	\$7,906.25

Sub-Task	WY.A0	West Yost Associates		
Consultants				
West Yost Associates, Inc.				
AP 8516	12/31/2021	☐ West Yost Associates, Inc. / Professional Services from November 27 to December 31, 2021 - see attached	22,054.00	
	Total Consultants	1.0 times	22,054.00	22,054.00
		Total this Sub-Task		\$22,054.00
		Total this Task		\$29,960.25
		Total this Project		\$39,988.50
		Total this Report		\$39,988.50



Invoice No. 1090555
Invoice Date 12/07/2021
Account No. 000007074
Payment Terms Net 30

Due Date 01/06/2022

Total Amount Due \$6,473.75

Bill To Davids Engineering
Attn:Cynthia Clark / Accts. Payable
1772 Picasso Ave, Suite A
Davis CA 95618-0550

Questions regarding this invoice can be directed to the Bursar's Office at 916.278.6833

Table with 3 columns: Line No., Description, Identifier, Amount

Note: RE: COLUSA GSA GSP

PROJECT NO. 1178-03

CSUS PO # CE200237

6,473.75

IN ACCORDANCE WITH THE ABOVE REFERENCED CONTRACT, OUR BILLING IS SUBMITTED FOR YOUR REVIEW AND AUTHORIZATION FOR PAYMENT AS FOLLOWS:

TOTAL AMOUNT OF CONTRACT: \$ 104,540.15
TOTAL INVOICED TO DATE: \$ 71,863.50

AMOUNT REMAINING: \$ 32,676.65
AMOUNT PAID TO DATE: \$ 54,189.75
CURRENT INVOICE: \$ 6,473.75

PROFESSIONAL SERVICES FOR OCTOBER 2021
(SEE ATTACHED FOR DETAILS)

*** FOR QUESTIONS REGARDING THIS INVOICE, PLEASE CONTACT TERESA OEHNINGER AT (916) 278-6581 ***

----- Please return this portion of invoice with payment -----

Total Amount Due: \$6,473.75

Please include the following on the payment:

Account No. 000007074
Invoice No. 1090555

Payable to:

California State University, Sacramento
6000 J. Street, MS 6052
Sacramento, CA 95819-6010

INVOICE 1090555

Date: December 7, 2021

To: Davids Engineering
 Attn: Cynthia Clark, Accounts Payable
 1772 Picasso Avenue, Suite A
 Davis, CA 95618-0550

From: Teresa Oehninger

Re: Colusa GSA GSP
 Project No. 1178-03

CSUS PO #CE200237

In accordance with the above referenced contract, our billing is submitted for your review and authorization for payment as follows:

Total Amount of Contract	\$ 104,540.15		
Total Invoiced To Date	\$ 71,863.50	% Billed	68.74%
Amount Remaining	\$ 32,676.65	% Remaining	31.26%
Amount Paid to Date	\$ 54,189.75		
Current Invoice	\$ 6,473.75		

Professional Services	October 1, 2021 - October 31, 2021			
	Hours		Rate	
Deborah Hunt, Program Director	1.00	@ \$	213.00	\$ 213.00
Dave Ceppos, Managing Senior Mediator	16.00	@ \$	206.00	\$ 3,296.00
Corin Choppin	30.25	@ \$	95.00	\$ 2,873.75
Teresa Oehninger	1.00	@ \$	91.00	\$ 91.00
Total Professional Services:	48.25			\$ 6,473.75

Direct Expenses	
Total Direct Expenses	\$ -
Total Invoice	\$ 6,473.75

Please make check payable to:
California State University, Sacramento
 6000 J Street, Sacramento, CA 95819-6010
 Accounts Receivable - Lassen Hall 1003

Please use this revenue chartstring: 502843 TECCE 93000

Internal Reference #19-007

Davids Engineering Colusa Subbasin Groundwater Sustainability Agency
Hours by Task
October 1, 2021 - October 31, 2021

Tasks	Task 1	Task 2.1	Task 2.2	Task 2.3
Deborah Hunt	1.00	0.00	0.00	0.00
Dave Ceppos	0.00	0.00	16.00	0.00
Corin Choppin	0.00	0.00	30.25	0.00
Teresa Oehninger	1.00	0.00	0.00	0.00
Hours per Task	<hr/> 2.00	<hr/> 0.00	<hr/> 46.25	<hr/> 0.00

Total Hours: 48.25

Daily Activity Report - Colusa Subbasin GSP - Project - #1178.03

Deborah Hunt - Program Director

October 2021	Work Performed	Hours Charged
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31	Project Management-Overview of project/progress	1
	Total	1
Notes		

Daily Activity Report - Colusa Subbasin GSP - Project - #1178.03

Dave Ceppos

October 2021	Work Performed	Hours Charged
1		
2		
3		
4	2.2 Conduct Outreach and Engagement Activities	1
5		
6		
7		
8		
9		
10		
11	2.2 Conduct Outreach and Engagement Activities	2.5
12	2.2 Conduct Outreach and Engagement Activities	2
13	2.2 Conduct Outreach and Engagement Activities	3.5
14		
15	2.2 Conduct Outreach and Engagement Activities	7
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
Total		16

Notes

Daily Activity Report - Colusa Subbasin GSP - Project - #1178.03

Corin Choppin

October 2021	Work Performed	Hours Charged
1	2.2 Conduct Outreach and Engagement Activities	2.5
2		
3		
4		
5	2.2 Conduct Outreach and Engagement Activities	0.5
6		
7		
8		
9		
10		
11		
12	2.2 Conduct Outreach and Engagement Activities	1.75
13	2.2 Conduct Outreach and Engagement Activities	4.5
14		
15	2.2 Conduct Outreach and Engagement Activities	1.5
16		
17		
18	2.2 Conduct Outreach and Engagement Activities	1.5
19	2.2 Conduct Outreach and Engagement Activities	2.5
20	2.2 Conduct Outreach and Engagement Activities	1.25
21	2.2 Conduct Outreach and Engagement Activities	2.25
22		
23	2.2 Conduct Outreach and Engagement Activities	3.5
24		
25	2.2 Conduct Outreach and Engagement Activities	2.75
26	2.2 Conduct Outreach and Engagement Activities	2.25
27	2.2 Conduct Outreach and Engagement Activities	1
28	2.2 Conduct Outreach and Engagement Activities	1.75
29	2.2 Conduct Outreach and Engagement Activities	0.75
30		
31		
Total		30.25

Notes

Daily Activity Report - Colusa Subbasin GSP - Project - #1178.03

Teresa Oehninger

October 2021	Work Performed	Hours Charged
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31	Project Support/Accounting-Invoicing	1
	Total	1

Notes



Remit Payment To:
2020 Research Park Drive, Suite #100
Davis, CA 95618

December 31, 2021

Invoice Number: 2047713

Mr. Grant Davids	Client Project:	Project No. 1178.03
Davids Engineering, Inc.	WY Project No:	277-60-20-11
1772 Picasso Avenue., Suite A	Contract Amount:	375,611.75
Davis, CA 95618	Job Name:	Colusa Subbasin GSP Preparation

Professional Services from November 27, 2021 to December 31, 2021

Previously Billed :	340,012.37
Total This Period :	22,054.00
Total Amount Billed to Date including This Invoice :	362,066.37
Amount Remaining in Contract :	13,545.38

Task 011 Hydrogeologic Investigation

Professional Personnel

	Hours	Rate	Amount
Principal Eng/Scientist/Geologist II	33.50	279.00	9,346.50
Associate Eng/Scientist/Geologist I	29.50	202.00	5,959.00
Administrative IV	34.50	139.00	4,795.50
Administrative III	15.50	126.00	1,953.00
Totals	113.00		22,054.00
Total Labor			22,054.00
		Total this Task	\$22,054.00
		Total this Invoice	\$22,054.00

Description of Services:

Task 1. No activity.

Task 2. No activity.

Task 3. No activity.

Task 4. No activity.

Task 5. No activity.

Task 6. No activity.

Task 7. No activity.

Task 8. No activity.

Task 9. No activity.

Task 10. No activity.

Task 11. Completed final GSP for adoption. Participated in adoption hearings.


Task 12. No activity.

Outstanding Invoices

Number	Date	Balance
2047019	10/29/2021	11,956.72
2047377	11/26/2021	22,873.00
Total		34,829.72

Task	Task Description	Budget Amount	Current Invoice	Total Invoiced To Date	Budget Remaining
001	Data Collection and Analysis	21,976.00	0.00	21,976.00	0.00
002	Monitoring Protocols	6,455.00	0.00	6,455.00	0.00
003	Data and Reporting Standards	9,451.00	0.00	9,451.00	0.00
004	Data Management System	5,000.00	0.00	4,999.00	1.00
005	GSP Administrative Information	21,949.00	0.00	21,949.00	0.00
006	Basin Setting	23,017.00	0.00	22,988.00	29.00
007	Sustainable Management Criteria	61,318.00	0.00	61,270.50	47.50
008	Monitoring Network	72,908.00	0.00	72,878.00	30.00
009	Projects and Management Actions	7,500.00	0.00	7,493.50	6.50
010	GSP Document Preparation and Adoption	65,278.00	0.00	65,202.37	75.63
011	Hydrogeologic Investigation	75,759.75	22,054.00	67,404.00	8,355.75
012	GDE Evaluation	5,000.00	0.00	0.00	5,000.00
WYA	West Yost Tracking Only	0.00	0.00	0.00	0.00
TOTAL		375,611.75	22,054.00	362,066.37	13,545.38

Please direct questions to:

Project Manager Kenneth Loy
Principal Lindsay Smith 

Billing Backup

Tuesday, January 4, 2022

West Yost Associates, Inc.

Invoice 2047713 Dated 12/31/2021

2:17:56 PM

Task 011 Hydrogeologic Investigation

Professional Personnel

			Hours	Rate	Amount
Principal Eng/Scientist/Geologist II					
25 - Loy, Kenneth	11/29/2021		6.50	279.00	1,813.50
		Responded to comments. Prepared final GSP for adoption.			
25 - Loy, Kenneth	11/30/2021		8.00	279.00	2,232.00
		Prepared final GSP.			
25 - Loy, Kenneth	12/1/2021		6.00	279.00	1,674.00
		Prepared final GSP.			
25 - Loy, Kenneth	12/2/2021		4.00	279.00	1,116.00
		Prepared final GSP.			
25 - Loy, Kenneth	12/3/2021		4.00	279.00	1,116.00
		Completed and issued final GSP for adoption.			
25 - Loy, Kenneth	12/10/2021		1.00	279.00	279.00
		Prepared for adoption hearing.			
25 - Loy, Kenneth	12/13/2021		2.00	279.00	558.00
		Attended CGA GSP adoption hearing.			
25 - Loy, Kenneth	12/14/2021		2.00	279.00	558.00
		Prepared for and participated in GGA adoption hearing.			
Associate Eng/Scientist/Geologist I					
41 - Reimer, Anna	11/29/2021		5.50	202.00	1,111.00
		Prepare GSP.			
41 - Reimer, Anna	11/30/2021		6.00	202.00	1,212.00
		Prepare GSP.			
41 - Reimer, Anna	12/1/2021		6.00	202.00	1,212.00
		Prepare GSP.			
41 - Reimer, Anna	12/2/2021		6.00	202.00	1,212.00
		Prepare GSP.			
41 - Reimer, Anna	12/3/2021		6.00	202.00	1,212.00
		Prepare GSP.			
Administrative IV					
125 - Encelan, Christine	11/29/2021		5.00	139.00	695.00
		Anna/Ken - GSP finalization			
125 - Encelan, Christine	11/30/2021		6.00	139.00	834.00
125 - Encelan, Christine	12/1/2021		5.50	139.00	764.50
125 - Encelan, Christine	12/2/2021		12.25	139.00	1,702.75
125 - Encelan, Christine	12/3/2021		5.50	139.00	764.50
125 - Encelan, Christine	12/17/2021		.25	139.00	34.75
		Anna - edits to preface			
Administrative III					
130 - Perea, Angélica	11/30/2021		1.50	126.00	189.00

Project	277-60-20-11	Colusa Subbasin GSP Preparation		Invoice	2047713
	Format Chapter 4, acronym_AR				
130 - Perea, Angélica		12/1/2021	2.00	126.00	252.00
	Colusa GSP_AR/CE/KL				
130 - Perea, Angélica		12/2/2021	8.00	126.00	1,008.00
	Colusa GSP_AR/CE/KL				
130 - Perea, Angélica		12/3/2021	4.00	126.00	504.00
	TOC and Final Edits GSP				
	Totals		113.00		22,054.00
	Total Labor				22,054.00
				Total this Task	\$22,054.00
				Total this Project	\$22,054.00
				Total this Report	\$22,054.00