GLENN GROUNDWATER AUTHORITY

GROUNDWATER SUSTAINABILITY AGENCY Proposition 218 Draft Fee Report

June 2023

Colusa Sub-basin Groundwater Sustainability Plan Implementation

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LIST OF ACROYNMS AND ABBREVIATIONS

AF	acre-feet (generally equivalent to 325,851 gallons)
APNs	Assessor's parcel numbers
Budget	Five-Year Annual Budget
CGA GSA	Colusa Groundwater Authority Groundwater Sustainability Agency
Colusa Subbasin	DWR defined alluvial basin in Glenn and Colusa counties.
County	County of Glenn
СРІ	Consumer Price Index
DACs	Disadvantaged Communities
DWR	California Department of Water Resources
CY	Calendar Year
FY	Fiscal Year
GGA	Glenn Groundwater Authority
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
JPA	Joint Powers Agreement/Authority
LAFCO	Local Agency Formation Commission
MOU	Memorandum of Understanding
SGMA	Sustainable Groundwater Management Act (2014)
Subbasin	DWR delineated alluvial groundwater areas in GGA GSA boundary.
SWRCB	State Water Resources Control Board
TM	Technical Memorandum

ACKNOWLEDGEMENTS

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SECTION 1: INTRODUCTION AND SUMMARY

The Colusa Subbasin is comprised of the two GSAs: The Colusa Groundwater Authority (CGA) governing the portion of the Subbasin within Colusa County and the Glenn Groundwater Authority (GGA) governing the portion of the Subbasin within Glenn County. The GGA is a groundwater sustainability agency (GSA) created through a Joint Powers Agreement (JPA) that was initially approved in June 2017 and amended in October 2019 (see Appendix A), which established the GGA as a cost-effective regional governance structure to achieve SGMA compliance and maintain local control over local groundwater resources. The GGA is the GSA responsible for compliance with the 2014 Sustainable Groundwater Management Act (SGMA) in the Glenn County portion of the Colusa Subbasin which comprises the GGA service area boundary. The GGA is comprised of the following member agencies:

- City of Orland
- City of Willows
- County of Glenn
- Glenn-Colusa Irrigation District
- Glide Water District
- Kanawha Water District
- Monroeville Water District
- Orland-Artois Water District
- Princeton-Codora-Glenn Irrigation District
- Provident Irrigation District

The GGA is responsible for making decisions about the most cost-effective means to maintain GSA operations, complying with SGMA requirements, and implementing the Colusa Subbasin Groundwater Sustainability Plan (GSP) in collaboration with the CGA while maintaining local control over the management of groundwater resources within its service area.

The CGA and GGA collaborate to manage the Colusa Subbasin and have coordinated on developing a single Colusa Subbasin GSP and are committed to working together to effectively manage groundwater resources and achieve SGMA compliance throughout the Colusa Subbasin. The GSAs have entered into a Memorandum of Understanding (MOU) outlining their commitment to collaborate, while respecting each GSA's decision-making authority within its jurisdiction.

Now that GSAs are changing their focus from GSP development to implementation, it may be necessary to review existing agreements with a focus on GSP implementation efforts. Ongoing collaboration provides economies of scale for sharing the cost of GSP implementation and SGMA compliance amongst the GSAs and stakeholders, while maintaining local control of its groundwater resources.

The Subbasin governance for GSP development is expected to be similar for GSP implementation. The GGA will continue to be responsible for GSP implementation and SGMA compliance for its members and stakeholders in coordination with the CGA to achieve Subbasin SGMA compliance in a cost-effective manner. The GSAs will coordinate to make management decisions about the entire Subbasin concerning implementation of the GSP. The following figure highlights the groundwater basins in Glenn County with the GGA responsible for groundwater management decisions in the Glenn County portion of the Colusa Subbasin.



The GGA served as the lead for SGMA compliance activities in the Glenn County portion of the Colusa Subbasin through GSP preparation, adoption, and submittal of the Colusa Subbasin GSP to DWR by the January 31, 2022 deadline for SGMA compliance. The GSP development efforts were funded through Proposition 1 and 68 grant funds and local fees with an emphasis to keep local costs as low as possible. The GGA continues to serve as the lead for SGMA compliance within its jurisdictional boundary and adopted a 2022/2023 budget utilizing revenues from existing Proposition 218 fees structured to support SGMA compliance during GSP development while developing the long-term funding for GSA administration and SGMA compliance during GSP implementation. The GGA receives staffing support from Glenn County for on-going GGA operations. The GGA, on behalf of the member agencies and stakeholders, will continue to

ensure GSA operations through the development of a long-term funding plan to sustain GGA operations, achieve SGMA compliance, and implement the GSP recommendations.

The GGA is developing a long-term funding source to fund overall GSP implementation costs. If adopted, the proposed GGA Fees would be collected through the Glenn County tax bill and cover the everyday operations of the GGA (including legal, technical, administrative, accounting, office, insurance, audits, and outreach materials) and GSP implementation costs (including annual monitoring and reporting, five-year GSP updates, Subbasin coordination and outreach, data management system maintenance, and grant funding services) required to achieve and maintain SGMA compliance for all landowners within the GGA service area. The CGA, on behalf of the GSAs in the Colusa Subbasin, received Proposition 1 and 68 grant funding to develop the Colusa Subbasin GSP; however, costs for GSP implementation that cannot be covered by grants will need to be covered by the proposed GGA Fees. It is anticipated that any necessary management actions resulting from GSP implementation that require additional funding will be funded by other localized fees or assessments, cost sharing arrangements, or through additional outside grant funding sources.

The GGA will pursue outside funding sources to assist in securing additional grant funds to support cost-effective GSP implementation activities by the GGA and its members. The GGA will also participate in regional funding opportunities that benefit the GGA to reduce long-term SGMA compliance costs and achieve long-term groundwater sustainability objectives.

The GGA has developed the proposed budget as reflected in Table 1-1 below (Five-Year Budget) to cover the costs of SGMA compliance that includes both GSA operational and GSP implementation related costs. Considerable effort went into developing the Five-Year Budget during GSP development with input from the GSA to identify SGMA compliance costs. The budget projection for the GGA to achieve SGMA compliance (based on current requirements) is a maximum of \$837,675 per year for GSP implementation for a five-year period spanning fiscal years 2023-24 through 2027-28 (fiscal year beginning July 1, 2023). Based on the GGA funding needs, the GGA is seeking to collect the proposed Fees in the GGA service area to generate sufficient revenue to fund the GGA operations for SGMA compliance and maintain local control as defined herein. Fees would cover GSP implementation costs beginning July 1, 2023 based on adoption and submittal of the Colusa Subbasin GSP. The proposed Fees would cover the ongoing GGA operational and GSP implementation costs over the initial five-year implementation period. The two GSAs within the Colusa Subbasin will coordinate on costsharing appropriate expenses.

Table 1-1: GGA	Five-Vear	Budget	(FY23-24	through H	FY27-28)
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Fee Cost Category	Fiscal Year 2023-24	Fiscal Year 2024-25	Fiscal Year 2025-26	Fiscal Year 2026-27	Fiscal Year 2027-28
GGA Admin. Costs					
Administration - Contracted Services	\$170,000	\$200,000	\$220,000	\$170,000	\$170,000
Legal Services	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
CPA Audit Services - Financial	\$10,000	\$10,500	\$11,000	\$11,500	\$11,500
JPA Insurance	\$2,000	\$2,500	\$2,500	\$2,500	\$2,500
County A-87 Cost Alloc. (Bookkeeper Services)	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500
Professional Services	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000
Board Expenses	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
Special Department Expenses	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
Legal Notices	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
County Tax Roll Fee	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
Contingency (10%)	\$40,750	\$43,850	\$45,900	\$40,950	\$40,950
GGA Admin. Sub- total	\$448,250	\$482,350	\$504,900	\$450,450	\$450,450
GGA SGMA Compliance Costs					
Annual Reporting (with DWR monitoring)	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
Five Year GSP Update w/Modeling Calibrations (due 2027)	\$60,625	\$60,625	\$60,625	\$60,625	\$48,500
Surface-GW Interaction Modeling	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
GSA Coordination & Outreach (w/in and between GSAs)	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000

Data Management	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
Maintenance					
Long Term Financial Planning/Fees	\$17,500	\$17,500	\$17,500	\$17,500	\$17,500
Grant Procurement	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
GSP Project Implementation and Monitoring	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Contingency (8%)	\$24,650	\$24,650	\$24,650	\$24,650	\$23,680
SGMA Compliance Sub-total	\$332,775	\$332,775	\$332,775	\$332,775	\$319,680
TOTAL GGA Costs	\$781,025	\$815,125	\$837,675	\$783,225	\$770,130
Annual Avg. Costs	\$797,436	\$797,436	\$797,436	\$797,436	\$797,436
GGA Admin.: Program Manager, Office Expenses, and legal services for GSA operations.					
GGA SGMA Compliance: Annual Reports, 5-Year GSP Updates, GSA coordination, Data Management, Financial Planning, Surface-Groundwater modeling, and grant funding					

The proposed Fees are authorized by SGMA and Proposition 218 and apply on a cost of service per acre basis to lands within the GGA boundaries in the manner described in this Fee Report. SGMA provides authority for GSAs to charge fees or charges to support its operations to facilitate compliance with SGMA. Failure to adequately manage groundwater in the Subbasin may subject the subbasin to intervention by the State Water Resources Control Board (SWRCB). If it intervenes, the SWRCB may impose annual fees for lands within the GGA ranging from \$100 per de minimis well (using less than 2 ac-ft of water per year for domestic uses only), to \$300 per well plus up to \$55 per acre-foot of groundwater pumped per well, with no guarantee of assistance in bearing costs to address the groundwater issues for which it intervenes (see **Appendix B**). By collecting Fees, the GGA will provide SGMA coverage to landowners through local management of groundwater in the Colusa Subbasin. The proposed 2023 GGA Fee Tax Roll is based on the GGA's service area boundary for parcels on the 2023 tax rolls of Glenn County. The tax roll lists the assessor's parcel numbers (APNs) that would be subject to the proposed Fees and is included as **Appendix C**. The complete file will be submitted to the County upon adoption of the GGA Fees by the GGA expected in July or early August 2023.

The Agencies within the GGA could have the option to pay their share of total GSA costs on behalf of the landowners through a Funding Agreement. The GGA will discuss the options for receiving future GSA fee revenues. For option 1, the lands within the boundaries of these member agencies would receive the GGA Fee Roll Proposition 218 Notice (see **Appendix D**), to be provided the option for protest, and submit payment of fees through the property tax bill. Option 2 would exclude those agencies that choose to pay the appropriate fees directly to the GGA. In the event these agencies choose to enter into Funding Agreements for proposed fees with the GGA, the Funding Agreement will specify the terms of the payments. The Local Agency Formation Commission (LAFCO) boundaries and GGA Fee Roll for these entities will be used to determine assessable acreage and fee calculations if a Funding Agreement is desired. The GGA 2023 Funding Agreements would be included as **Appendix E**.

Parcels listed by the assessor as tax-exempt, including Federal and Tribal lands, will not be included in the GGA Fee Roll. Other local and regional governmental agencies subject to the fees will pay their fair share based on assessable acreage and fee calculations. These parcels primarily include the exclusion of Federal and Tribal lands, with State-owned parcels considered uncollectible.

Table 1-2 provides an example schedule of the proposed Fees to be collected to proportionally recover operating expenses calculated using the GGA's budget on a cost per acre basis during the next five years. The actual Fees will be set annually by the GGA, based on the budget needs, but it will not exceed the proposed maximum Fee of \$2.40 per acre for irrigated-surface water, \$5.59 per acre for irrigated-groundwater, and \$0.52 per acre for non-irrigated parcels. The budgeted operations expenses are in 2023 dollars and do not include an inflation factor per annum based on the expected average Consumer Price Index (CPI) during the period. The maximum annual inflation factor to be applied to the Fees would not exceed the selected CPI index annually, with the actual inflation factor applied each year at the discretion of the GGA through Fiscal Year 2027-28. Operations expenses have not been projected beyond the Fiscal Year 2027-28. The GGA will update its Fees for future years based on actual expenses during the first five years of GSP implementation and projected expenses over the subsequent multi-year period.

Table 1-2 Recommended Fees	Fiscal Year 2023-24	Fiscal Year 2024-25	Fiscal Year 2025-26	Fiscal Year 2026-27	Fiscal Year 2027-28
Proposed Non- Irrigated Fee (\$/ac)	\$0.35	\$0.37	\$0.38	\$0.35	\$0.35
Fee Implementation Costs	\$0.14	\$0.14	\$0.14	\$0.14	\$0.14
Proposed Total Non-Irrigated Fee (\$/ac)	\$0.49	\$0.51	\$0.52	\$0.49	\$0.49
Proposed Irrigated-	\$2.11	¢2.20	¢2.26	¢2 11	\$2.08
SW Fee (\$/ac)	\$2.11	\$2.20	\$2.26	\$2.11	\$2.08

Table 1-2: G	GA Proposed	Irrigated/Non-	Irrigated	Fees

Proposed Total Irrigated-SW Fee (\$/ac)	\$2.25	\$2.34	\$2.40	\$2.25	\$2.22
Proposed Irrigated- GW Fee (\$/ac)	\$5.08	\$5.30	\$5.45	\$5.09	\$5.01
Fee Implementation Costs	\$0.14	\$0.14	\$0.14	\$0.14	\$0.14
Proposed Total Irrigated-GW Fee (\$/ac)	\$5.22	\$5.44	\$5.59	\$5.23	\$5.15

The GGA operational and GSP implementation components comprise the total proposed Fees that cover the cost of SGMA compliance for the GGA within its service area and contribute to compliance for the Subbasin as a whole. Additional funds may be required to implement specific projects listed in the GSP. Funding for these projects will come from other funding sources and be the responsibility of the project proponent(s) to identify funding sources and secure necessary funding for project implementation. The GGA will coordinate with project proponents on grant funding opportunities if available to improve groundwater management or lower future GGA operations costs. Project funds could come from supplemental funding and/or local fees or assessments greater than the maximum fees recommended in this report. Approval by the landowners in a future Proposition 218 election will likely be required for those fees or assessments.

The GGA is seeking to implement a 3-tier Irrigated/Non-Irrigated fee structure within the maximum amount shown in Tables 1-2 above, specifically \$2.40, \$5.59, and \$0.52 per acre for irrigated-surface water, irrigated-groundwater, and non-irrigated user classes respectively for all assessable parcels. The budgeted operations expenses are in 2023 dollars and do not include CPI annual inflation adjustments expected during the period. The components that make up the total are shown in the table and explained further in this report. Note that the proposed Fees applied by the GGA will not exceed the maximum amount unless an increase is approved through a subsequent Proposition 218 or other required proceeding. **The necessary funding for the GGA will be reviewed annually by the GGA and, depending on the funds projected to be needed for the year, may be adjusted up to the maximum assessment rate.**

The development and consideration of adopting the proposed Fee is being conducted in accordance with provisions of Proposition 218, as reflected in Article XIII D of the California Constitution and Sections 53750 through 53756 of the State's Government Code. These constitutional and statutory provisions establish specified mandatory procedures that local agencies must follow.

Under the Proposition 218 process, landowners must be notified and given the opportunity to protest prior to the adoption of any fee structure. Pursuant to these requirements, the GGA will hold a public hearing at which all landowners affected by the proposed charge may participate and will have the opportunity to protest the proposed charge. At the public hearing, the GGA will consider comments from owners of land that would be subject to the proposed GGA fee.

Landowner protests received at the GGA meeting prior to and by the close of the public hearing will be counted and the protest results will be certified. If a majority of the total assessed parcels submit written protests, the GGA will not adopt the proposed Fees. Absent a majority protest, the GGA is authorized to adopt the proposed Fees at its public adoption hearing. The public hearing and consideration of adoption of the proposed Fee is expected to be held in late July or early August 2023.

Proposition 218 Process – Stakeholder Outreach

The GGA has conducted significant public and stakeholder outreach in the development and consideration of the Fee Options technical memorandum, this Fee Study, and the development of the proposed fee. The GGA will continue to consider public comments prior to acting on the proposed GGA Fees through the close of the public hearing that will be scheduled for July or early August 2023. These actions include regular updates and discussion and GGA meetings that are open to the public, other public meetings, providing key information posted on the GGA website, availability of a Fact Sheet, and other outreach deemed appropriate to inform and involve those affected by the Fees (**Appendix F**). An additional Public Workshop may be held in July 2023 to discuss GSP implementation and long-term funding needs for SGMA compliance. This will supplement the outreach and notification required for a Proposition 218 fee process, including providing all affected parcel owners a notice of the proposed charges and protest process at least 45-days prior to GGA consideration for approval. Additional outreach may be conducted through other GGA venues before consideration for Fee adoption by the GGA.

SECTION 2: REPORT PURPOSE

This Fee Report is prepared to describe the basis for GGA's proposed Fees to each assessable parcel within the GGA jurisdiction, unless covered by a GGA Fee Funding Agreement. The proposal is for the GGA to collect revenue in the form of which will be used to cover everyday operations and SGMA compliance related costs of the GGA. These operations include administration, legal services, technical services, funding services, insurance, consulting, office, outreach materials, accounting, annual monitoring and reporting, GSA coordination, five-year GSP updates to the Department of Water Resources (DWR), and potentially special studies on an as needed basis during GSP implementation. The cost of SGMA compliance characterized in this Report is based on current SGMA legislation requirements. The GGA achieves SGMA compliance for all landowners within the Glenn County portion of the Colusa Subbasin.

Sustainable Groundwater Management Act

On September 16, 2014, the Governor of California signed into law a three-bill legislative package (Senate Bill 1168, Assembly Bill 1739 and Assembly Bill 1319) that provided a statewide framework for sustainable groundwater management for basins in California with a focus on those subbasins with a higher priority for formalized local and regional groundwater plans. These laws are collectively known as the Sustainable Groundwater Management Act (SGMA). SGMA defines sustainable groundwater management as the *management and use of groundwater in a manner that can be maintained during the planning and implementation horizon without causing undesirable results. Undesirable results* are defined in SGMA as any of six primary effects caused by groundwater conditions occurring throughout the basin:

Groundwater Effects (1-6)	SGMA Legislation Primary Groundwater Effect Descriptions				
1	Chronic lowering of groundwater levels indicating a significant and unreasonable depletion of supply				
2	Significant and unreasonable reduction of groundwater storage				
3	Significant and unreasonable seawater intrusion				
4	Significant and unreasonable degraded water quality				
5	Significant and unreasonable land subsidence				
6	Depletions of interconnected surface water that have significant and unreasonable adverse impacts on beneficial uses of surface water				

Table 2-1: SGMA Legislation Primary Effect Descriptions

These potential undesirable results are the focus of SGMA and must be addressed in GSPs prepared by GSAs. GSPs focus on assessing, monitoring, and mitigating undesirable results from

groundwater use. Some of these undesirable results, such as sea water intrusion, are not applicable to the GGA area, while others, such as lowering of groundwater levels and reduction in groundwater storage are significant issues in some areas and will need to be addressed. Each of these undesirable results has been investigated and prioritized as part of the GSP development process. The GSP also includes measurable objectives and implementation actions to achieve and maintain groundwater basin sustainability in the Subbasin. SGMA requires the development and implementation of GSPs that document the proposed plans and programs for achieving groundwater basin sustainability within a prescribed 20-year window. During the GSP implementation phase, GSAs are required to adopt programs to facilitate measures outlined in the GSP, update the GSP at least every five years, conduct regular GSA coordination activities, and provide DWR with annual updates on the progress of achieving sustainability based on annual monitoring and reporting requirements for each GSP. The CGA, on behalf of the GSAs in the Colusa Subbasin received Proposition 1 and 68 grant funding to cover a majority of the work to develop the GSP; however, costs for GSP implementation that cannot be covered by grants will need to be funded through the proposed GGA Fee. To the extent that GSP implementation requires specific project development that requires additional funding, these projects will be funded by other local and regional cost sharing and funds, or through other grant funding programs.

GGA's Authority to Levy Assessments

The GGA is a multi-agency GSA that was formed through a JPA with the purpose of complying with SGMA. The JPA was initially approved in June 2017 and amended in October 2019. This governance model facilitates cost-effective SGMA compliance for the lands within the Glenn County portion of the Colusa Subbasin. A copy of the JPA establishing the GGA can be found in **Appendix A**. A description of its members follows.

GGA Member Agencies

Membership:

- City of Orland
- City of Willows
- County of Glenn
- Glenn-Colusa Irrigation District
- Glide Water District
- Kanawha Water District
- Monroeville Water District
- Orland-Artois Water District
- Princeton-Codora-Glenn Irrigation District
- Provident Irrigation District

The GGA is the exclusive GSA responsible for the compliance and implementation of the provisions of SGMA for a portion of the DWR-defined Colusa Subbasin (5-021.52) which is

classified as a High Priority Basin by DWR encompassing approximately 306,000 acres in Glenn County. **Appendix A** contains the JPA establishing the GGA to serve as the GSA for its service area within the Subbasin on behalf of its member agencies. GSA responsibility for SGMA compliance is as follows: submit Annual Reports to DWR on groundwater conditions, prepare five-year GSP updates, provide GSA coordination within the GSA and between neighboring GSAs, address surface-groundwater interactions and associated modeling updates, provide data management services for groundwater information and data, conduct long term financial planning to ensure long-term funding reliability, and secure future grants for GSP implementation activities on behalf of landowners within the Subbasin. Table 2-2 highlights the GSAs within the Colusa Subbasin boundary definition per DWR Bulletin 118.

DWR GW Subbasin #	DWR GW Subbasin Name	GSAs	Total Area (Acres)
5-021.52	Colusa Subbasin	GGA and CGA GSAs	723,823
	Colusa Subbasin-Glenn	GGA GSA	305,905
	Colusa Subbasin-Colusa	CGA GSA	416,863

Table 2-2: DWR Colusa Subbasin – GSA Delineations

The Colusa Subbasin is located partially within Glenn County as depicted in DWR Bulletin 118 as cited in Table 2-2 above. The GSA coordinated the development of the Colusa Subbasin GSP in collaboration with its member agencies, the CGA, and stakeholders with responsibility for SGMA compliance within the Subbasin. The GSP was approved by the GSAs and was submitted to DWR by the January 31, 2022 regulatory deadline. There is a cooperating agreement (MOU) between the GSAs which was initially prepared to cover the GSP development phase of SGMA compliance. GSP implementation responsibility is demarcated as follows: the GSA is responsible for covering their GSA administration costs, and their portion of GSP implementation and SGMA compliance costs. All landowners benefit from the GSA budget and actions as part of the long term GSP implementation costs that must be supported by a longterm fee or funding source. The GGA may develop, adopt, and implement sustainable management of groundwater underlying the GGA service area and take actions as necessary to ensure SGMA compliance for all landowners within its service area. The GGA will also coordinate with its member agencies and participating partner agencies to secure project related funding upon GSP approval and readiness to proceed with project implementation by project partners.

The GGA will rely on the proposed Fees for the initial five years of GSA operations and SGMA compliance. The GGA will update its long-term funding projections as needed to operate the GSA at the lowest possible costs while achieving the goals and objectives of the GSP and member agencies.

Pursuant to Chapter 8 (commencing with Section 10730) of Part 2.74 of Division 6 of the Water Code, a GSA may impose fees, including, but not limited to, permit fees and fees on groundwater extraction or other regulated activity, to fund the costs of a groundwater sustainability program, including, but not limited to, preparation, adoption, and amendment of a GSP, and investigations, inspections, compliance assistance, enforcement, and program administration, including a prudent reserve. The GSA needs a long-term funding source to achieve SGMA compliance and maintain local control over its groundwater resources.

GGA's State Intervention Alternative

If local GSAs are unable or unwilling to sustainably manage their portion of the groundwater subbasin, the SWRCB may step in to protect the groundwater resources using a process called state intervention. The SWRCB is responsible for setting and collecting fees to recover the costs associated with state intervention and has established a fee structure as shown in **Appendix B**. The SWRCB fee schedule, if applied to the GGA area, would cost many overlying users of groundwater significantly more than current estimates under the local control option.

As illustrated in **Appendix B**, the SWRCB can and will intervene and implement the requirements of the SGMA legislation in the GGA service area boundary (as well as other areas of the State) if locals are unable or unwilling to comply with the law. In such a case, the Subbasin could be designated as a "Probationary Basin" by the SWRCB and directly charge the intervention fees to each groundwater extractor. In addition, landowners would be required to measure and report their groundwater use to the SWRCB. Landowners would have a direct relationship with the SWRCB rather than localized planning and implementation. The SWRCB fees would be as follows:

- Base Filing Fee: \$300 per well, plus \$40 per acre-foot (AF) per year (Probationary Basin) or \$55 per AF per year (Interim Plan), plus costs for needed studies.
- De minimis wells (less than or equal to 2 AF per year for domestic purposes only) would be charged \$100 per year.

For perspective on these costs, if the SWRCB were to designate the basin as probationary and an irrigated landowner has 40 acres with one well and the demand is 3.0 AF per acre. The associated annual SWRCB fees would be \$300 (filing fee) plus \$4,800 (3.0 AF/acre x 40 acres x \$40/AF) for a total of \$5,100 per year. If the SWRCB determined the basin needed an Interim Plan, the annual cost would go to \$6,900.

By comparison, under the rates and schedule proposed for the GGA through this Fee Report, this same landowner if classified as an irrigated-groundwater would pay a maximum of \$224 per year (40 acres x \$5.59/acre). A landowner if classified as irrigated-surface water would pay a maximum annual fee of \$96 (40 acres x 2.40/acre). From a regulation standpoint, the GGA would like to prevent state intervention while maintaining local control in a cost-effective manner. As such, the purpose of the GGA is to fully comply with SGMA on behalf of its landowners to avoid state intervention and maintain local control and a more tailored approach to groundwater management.

Proposition 218 Requirements

In November 1996, the California voters approved Proposition 218, the *Right to Vote on Taxes Act*, which added Article XIII D to the California Constitution. Proposition 218 imposes certain requirements relative to the imposition of certain assessments, fees, and charges by local agencies. There are several processes for approval of revenue generation under Proposition 218 – Section 4 identifies revenue requirements, Section 5 identifies parcels subject to the Charge, and Section 6 is for calculating fees or charges on a unit basis (i.e., per acre charge) for land-based assessments based on revenue requirements and assessable acreage.

For this initial five-year budget, the GGA is considering adopting fees under Section 6 of Proposition 218 for GSA operations. Since the GGA does not currently have pumping data for individual parcels, fees proportional to extractions are not able to be estimated in any reliable manner, making this type of fee impractical, and difficult to calculate. Therefore, collecting fees on a cost per acre basis by user class fulfills the proportionality requirement by differentiating between how different user classes impact groundwater sustainability in the Subbasin by structuring cost allocation of GSA total costs based on level of service and benefits received as required for SGMA compliance.

In general, before a local agency can levy new fees subject to Section 6 of Proposition 218, the Agency (or GGA) must comply with the <u>following Proposition 218 requirements</u> to achieve SGMA compliance in a reasonable fashion, while only charging customers for proposed fees that are necessary to achieve the goals and objectives of the GGA as follows:

- 1. Revenues derived from the fee or charge must not exceed the funds required to provide the property-related service. The Fees will not exceed the Five-Year Budget projections.
- 2. Revenue from the fee or charge must not be used for any purpose other than that for which the fee or charge is imposed. The Fees will only be used for GSA operations and SGMA compliance purposes.
- 3. No fee or charge may be imposed for general governmental services, such as police, fire, ambulance, or libraries, where the service is available to the public in substantially the same manner as it is to property owners. The Fees are for the dedicated purpose of achieving SGMA compliance in the Subbasin for all landowners subject to the Fees.
- 4. The amount of a fee or charge imposed upon any parcel or person as an incident of property ownership must not exceed the proportional cost of the service attributable to the parcel. The Fees are proportional to parcel benefit received by user class.
- 5. The fee or charge may not be imposed for service, unless the service is actually used by or immediately available to, the owner of the property in question. All landowners will realize immediate SGMA compliance benefits upon approval of the proposed Fees by the GGA.

This Report is limited to the proposed assessments to fund the GGA's annual operations and to comply with the requirements of the SGMA legislation forecast over the next five years. The GGA will monitor DWR SGMA compliance requirements and policy direction to achieve

SGMA compliance at a reasonable cost for the Subbasin. To achieve SGMA compliance in the Subbasin, a GSA serving a Subbasin must maintain compliance with SGMA regulations. The proposed fee will enable the GGA to achieve SGMA compliance for all landowners within the GSA service area thereby meeting its SGMA requirements within their service area boundary.

SECTION 3: GGA GSA BACKGROUND INFORMATION

The GGA was formed and established in 2017 through a JPA, which was amended to add an additional member in 2019 (see **Appendix A**). The GGA is located in the Sacramento Valley Groundwater Basin – Colusa Subbasin (5-021.51) in the central portion of the Sacramento Valley and encompasses a total area of approximately 305,905 acres within the GGA jurisdiction. There are ten member agencies in the Colusa Subbasin portion within the GGA service area boundary that participated in the development and preparation of the Colusa Subbasin GSP. The GGA service area boundary with parcels classified into proposed fee user classes (non-irrigated, irrigated-surface water and irrigated-groundwater) is illustrated in **Figure 3-1**. The GGA service area is within Glenn County adjacent to the CGA portion of the Subbasin. The Colusa Subbasin is designated by DWR's basin prioritization policy as defined in DWR Bulletin No. 118. More information is available at https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority.





Glenn County has a population of approximately 29,000 with a diversified economy. Agriculture is an important major producing industry in the GGA service area dependent on both surface and groundwater. Top crops include irrigated crops such as rice, fruit and nut orchards, olives, field crops, and row crops as well as low water use operations such as livestock grazing. There are areas in the GGA service area that are identified by DWR as disadvantaged communities (DACs). The GGA boundary service area is surrounded by the CGA service area to the south, Corning Sub-basin GSA to the north, and Butte Subbasin with eleven independent GSAs to the east. The Sacramento River and Stony Creek run through Glenn County. The Glenn-Colusa Canal and Tehama Colusa Canal provide large scale surface water supply operations for portions of the Subbasin. The City of Willows is an urban area with a population of 6,300. The City of Orland with a population of approximately 8,200 is the largest community located within the GGA service area boundary.

GGA Service Area Climate Description

The Colusa Subbasin, consistent with the Sacramento Valley, has a Mediterranean climate characterized by warm, dry summers and cool, wet winters with transitional months in the spring and fall. Based on weather station and observation collected in the Subbasin the average monthly precipitation and average monthly maximum daily temperatures are described as follows. Monthly average daily maximum temperatures range from 56.1° Fahrenheit (F) in December to 97.1°F in July. Precipitation is greatest between October and April, with little precipitation in the months of May through September. Annual average precipitation is approximately 20 inches per year, similar to the rest of the Sacramento Valley.

DWR determines a Water Year Type Index each year for the entire Sacramento Valley. The water year is from October 1 to September 30. The analysis to determine the water year type is based on unimpaired runoff calculations from several stream gauges dispersed throughout the region. Data collected each water year from 1906 to present are classified by the DWR as 'wet,' 'above normal,' 'below normal,' 'dry,' and 'critical' depending on the amount of precipitation and water availability in the Sacramento River and major tributaries. This information is used in this GSP to guide interpretation of natural water level fluctuations within the Subbasin. Annual precipitation records are correlated with water year type in accordance with the variation in hydrologic conditions in the Subbasin. In general, greater local precipitation occurs in wetter water year types, though there are some years where local precipitation was not aligned with the regional outlook for the Sacramento Valley, potentially due to carryover storage available in major Sacramento Valley reservoirs. Weather can vary drastically in the region with a medium variability of hydrologic conditions resulting in a wide range of very wet to very dry years with multiple year dry periods not uncommon on a historic basis. These varying hydrologic conditions can impact the mix of annual surface and groundwater use allocations that may occur with groundwater extractions increasing during extended dry year periods when surface water allocations may be limited.

GGA Service Area Land Use Description

Land in the Subbasin is widely utilized for agricultural purposes with the primary land uses being agricultural crops, rangeland, and pasture. The Subbasin is generally covered with irrigated crops such as rice, fruit and nut orchards, olives, field crops, and row crops. There are Federal

Intensive Agriculture

Ag Transition

Rural Residential

Agricultural/Residential

Multiple Family Residential

Community Commercial

Highway and Service Commercial

Urban Reserve

owned lands in the GSA service area and wildlife refuge areas. The GGA is a large diverse service area with multiple land uses, types of property ownership, and water entities providing water service to agricultural and urban areas. Figure 3-2 represents current land use patterns and types as specified in the proposed Glenn County General Plan update including Subbasin areas within Glenn County.



Figure 3-2: Glenn County Region Land Use Map

FIGURE LU-1. LAND USE MAP - COUNTYWIDE

De Novo Planning Group

Industrial

Mixed Use

Recreation

Public Facilities

Based on 2021 Land IQ data an estimated that 15% of the land within the GGA jurisdiction is characterized as non-irrigated (e.g. open space characterized as grassland, rangeland, shrubland, open water, wetlands, or barren land). Approximately 80% of the GGA jurisdiction was used for intensive agricultural and other irrigated purposes (including crop irrigation and urban areas).

Land use areas in the Subbasin are broadly classified across three sectors: agricultural, urban, and native vegetation. Agricultural land use (and water use) encompasses all agricultural crops reported in the Subbasin. Urban land uses are associated with the cities and communities within the Subbasin and typically include residential, commercial, industrial, public and quasi-public, and semi-agricultural land. Native lands are designated as native lands that are either privately managed or managed by the U.S. Fish and Wildlife Service as wildlife refuges. All water users in the region require reliable long term water supplies that prudently manage available surface and groundwater sources within the safe yield of local groundwater aquifers.

GGA Service Area – GSA Governance Approach

The GGA serves as the exclusive GSA for managing groundwater in the Glenn County portion of the Colusa Subbasin in coordination with the CGA in the southern portion of the Subbasin. Part of the responsibility of the GGA (in compliance with SGMA) is to conduct regular groundwater GSA coordination meetings during GSP implementation that would be supported by the proposed fee structure. The GGA will assist with and facilitate GSP implementation within and between the GSAs to achieve and maintain the GSP sustainability goal within twenty (20) years of implementation (by 2042). The Colusa Subbasin is currently working toward maintaining groundwater withdrawals within the Subbasin's sustainable yield. Working collaboratively through the GGA governance model will allow GSA members to cost-effectively achieve SGMA compliance and maintain local control over groundwater use and management decision-making and policy.

Projects that are recommended in the adopted Colusa Subbasin GSP will be planned and implemented by the lead applicant(s) and through regional collaboration as needed to accomplish GGA groundwater management objectives. The GGA members will collaborate and coordinate on projects of mutual interest and maximize outside funding sources to deliver projects in a cost-effective manner and reduce long-term GGA costs of service. Project funding will be accounted for as described in separate Project Agreements. The GGA will coordinate with the CGA and partner agencies to assist in securing project level funding in a timely and cost-effective manner. The GGA will maintain a list of GSP projects and work within the Subbasin and prioritize its project funding list accordingly to take advantage of grant funding sources as they become available. The GGA will continue to apprise its members of upcoming grant funding opportunities and assist in securing funds for shovel ready projects and actions that can reduce long-term SGMA compliance costs for its members and achieve and maintain safe yield metrics through 2042.

SECTION 4: GGA FINANCIAL INFORMATION

The GGA is a relatively new organization and has obtained funding for GSP development related activities from inception to date primarily through secured grant funds (CGA served as the grant applicant and administrator), in-kind and start-up voluntary contributions from member agencies, and local fees generated through the existing Proposition 218 fee process. GGA member agencies agreed to have the GSA lead the initial GSP development phase of the work and establish a functioning GSA to position the members for SGMA compliance once the grant funded GSP was prepared, approved by the GSAs, and submitted to DWR in January 2022. For the initial five years of GSP implementation, the GGA will rely on the proposed Fees to support GSA operations and GSP implementation and SGMA compliance actions. The contributions to date have been used to support GSA administration, GSP development, and SGMA compliance. This included funding to ensure adequate staffing to complete the work on schedule given SGMA compliance schedule targets and to ensure that the GSP was completed and submitted to DWR by January 31, 2022 deadline. As discussed above, the primary purpose of the GGA is to organize and represent the landowners for the purposes of SGMA compliance while maintaining local control over groundwater policy and management. The GGA's administrative activities are expected to continue annually to complete annual monitoring and reporting requirements, complete the Five-Year GSP updates, maintain GSA coordination and continue GSA operations which will be coordinated with member agencies and stakeholders. It is also planned that in the initial several years of GSP implementation additional technical evaluations may be undertaken to better understand Subbasin groundwater characteristics, address data gaps, and refine preferred projects the GGA members can implement to improve long-term groundwater resource sustainability for the region. The GGA will also be coordinating with other GSAs on an interbasin basis on a regular basis during GSP implementation consistent with the requirements of SGMA. The technical report evaluations and GSP development actions are intended to prioritize water resource actions that help reliably meet long-term agriculture, urban, and environmental groundwater supply needs within the Subbasin sustainable yield.

The GGA projected Five-Year Budget is based on the current governance model to serve the GGA service area and coordinate with other GSAs in the Subbasin as required to update the GSP on a five-year basis. The GGA Budget would be funded through the proposed Fees and all budget revenues and expenditures would be held in an account that can only be used for approved GGA activities related to GSA operations and GSP implementation costs. The Five-Year Budget is presented over the initial five-year GSP implementation period of the GGA post-GSP development on an annual budget cycle basis. Any annual rate increase would be effective for the specified year as implemented through updated fees included on the County tax bills not to exceed approved maximum fees.

The GSA administration and GSP implementation costs were developed through a collaborative effort of the GSA with SGMA compliance responsibilities. The GGA working with the LSCE Team, evaluated fee options based on updated agreed upon GSA revenue projections for SGMA compliance and cost allocation approach for sharing regional costs based on the best available acreage estimates to serve as a basis for the proposed Fee within the GGA service area. This information will be updated in the future and will consider the actual costs for GSP implementation, any revisions to the cost allocation formula, the availability of grant funds to offset GSA administration or changes in GSP implementation regional costs, or modifications to

annual GSA revenue requirements as a result of any changes to the SGMA legislation requirements constituting SGMA compliance for GSAs in the Subbasin. The GGA will continue to work together with the CGA to comply with SGMA at the lowest possible cost to their respective GSA stakeholders. The GGA will need the proposed Fee in place to serve as a dedicated revenue source to cover their costs for GSA operations and SGMA compliance during the first five years of GSP implementation broken down by Fiscal Year. The Fee options evaluated based on the GGA Five-Year budget are included in **Appendix G**.

The GGA's projected Five-Year Budget in Table 4-1 is allocated into Operational Costs associated with maintaining the GSA as a functioning organization to meet SGMA compliance requirements. The budget projections also include GSP implementation related costs primarily for annual monitoring and reporting, five-year GSP updates, and Subbasin coordination activities required for SGMA compliance. The proposed Fees would be based on the Annual Average Costs in Table 4-1 which will enable the GGA to meet SGMA compliance requirements in the most cost-effective manner on both a short- and long-term basis.

Fee Cost Category	Fiscal Year 2023-24	Fiscal Year 2024-25	Fiscal Year 2025-26	Fiscal Year 2026-27	Fiscal Year 2027-28
GGA Admin. Costs					
Administration - Contracted Services	\$170,000	\$200,000	\$220,000	\$170,000	\$170,000
Legal Services	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
CPA Audit Services - Financial	\$10,000	\$10,500	\$11,000	\$11,500	\$11,500
JPA Insurance	\$2,000	\$2,500	\$2,500	\$2,500	\$2,500
County A-87 Cost Alloc. (Bookkeeper Services)	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500
Professional Services	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000
Board Expenses	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
Special Department Expenses	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
Legal Notices	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
County Tax Roll Fee	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
Contingency (10%)	\$40,750	\$43,850	\$45,900	\$40,950	\$40,950
GGA Admin. Sub- total	\$448,250	\$482,350	\$504,900	\$450,450	\$450,450

Table 4-1: GGA Five-Year Budget (FY23-24 through FY27-28)

GGA SGMA Compliance Costs					
Annual Reporting (with DWR monitoring)	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
Five Year GSP Update w/Modeling Calibrations (due 2027)	\$60,625	\$60,625	\$60,625	\$60,625	\$48,500
Surface-GW Interaction Modeling	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
GSA Coordination & Outreach (w/in and between GSAs)	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
Data Management System Upgrades and Maintenance	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
Long Term Financial Planning/Fees	\$17,500	\$17,500	\$17,500	\$17,500	\$17,500
Grant Procurement	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
GSP Project Implementation and Monitoring	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Contingency (8%)	\$24,650	\$24,650	\$24,650	\$24,650	\$23,680
SGMA Compliance Sub-total	\$332,775	\$332,775	\$332,775	\$332,775	\$319,680
TOTAL GGA Costs	\$781,025	\$815,125	\$837,675	\$783,225	\$770,130
Annual Avg. Costs	\$797,436	\$797,436	\$797,436	\$797,436	\$797,436
GGA Admin.: Program Manager, Office Expenses, and legal services for GSA operations.					
GGA SGMA Compliance: Annual Reports, 5-Year GSP Updates, GSA coordination, Data Management, Financial Planning, Surface-Groundwater modeling, and grant funding					

procurement.

GGA Operational Budget Overview

The GGA staffing will provide ongoing support for GSA operations, including administration and GSP compliance actions over the initial five-year implementation period post-GSP development and adoption by the GGA. The GGA operations budget is comprised of primary legal, technical, funding, and administrative (staffing responsibilities) service components which will include staff administration and Subbasin coordination tasks associated with an active GSA maintaining SGMA compliance. The GGA staff will report to the GGA. The staff roles are being developed and are expected include, but not limited to, the following tasks:

- 1. Coordinate meetings, prepare and distribute agenda packets, attend GGA meetings, establish action items, and brief the GGA on all relevant issues in a timely manner.
- 2. Create, supervise and coordinate accounting, technical, legal and administration services, hydrogeological, and similar technical work necessary to accomplish the GGA directives.
- 3. Conduct educational, outreach, and collaborative activities (within and between the GSAs).
- 4. Coordinate the annual collection and maintenance of general GGA information necessary to comply with SGMA, including land ownership, land use types and acreage, surface water deliveries, groundwater usage, key climate factors and data, and GSP management and project objective assessment tracking.
- 5. Facilitate timely completion of Annual Monitoring and Reporting requirements to maintain SGMA compliance.
- 6. Facilitate timely completion of Five-Year GSP Update requirements to maintain SGMA compliance.
- 7. Pursue outside grant funding sources that reduce SGMA compliance costs.

The GGA will achieve SGMA compliance for its members to maintain local control of groundwater resources in its service area boundary with no State intervention or fees.

Alternative Fee Options – Considered by The GGA

The GGA considered various fee options and directed exploration of the three-tier Irrigated/Non-Irrigated fee structure option in the Fee Report to enable GGA to consider adopting a long-term GSA fee based on service area characteristics and known parcel level information. After deliberations at the April and May 2023 meetings, the GGA wanted the Fee Report to focus on a preferred Irrigated/Non-Irrigated Fee structure that was more equitable to landowners for GSP implementation than the existing uniform fees that focused on GSP development as depicted in the Fee Options evaluation TM in Appendix G. In providing this direction, the GGA considered other long term fee options including Uniform, Well Registration/Charge, Metering, Metering, and Land Use Hybrid based options which were generally more expensive to implement and, in some cases, may have required the GSA to become a billing collector, or were not reflective of the desired refined application of more detailed parcel level data. Metering was the most expensive fee option and would have required several years for implementation. Other fee options required additional costs to collect, analyze and apply more detailed parcel level data which would have increased the GSA's overall cost of implementing these other options. This discussion is included in the fee evaluation TM in Appendix G and characterizes the options reviewed and considered prior to directing the inclusion of the proposed fees in this Fee Report. The recommended Fees that will be considered at the public hearing expected to be scheduled for late July or early August 2023 represents the proposed 3-Tier Irrigated/Non-Irrigated Fees that charge landowners based on benefits received from the fee accounting for user class SGMA compliance costs and benefits differences.

SECTION 5: GGA MANAGEMENT BENEFITS

For the activities covered in this initial Five-Year Budget, the GGA proposes to levy fees differently between user classes based on the net assessable acreage and allocation of GGA administrative costs and GGA GSP implementation costs as required to achieve SGMA compliance for all landowners within the Subbasin.

The rationale is that the existence of the GGA provides the benefit of SGMA compliance to all landowners within its boundaries and maintains local control with no State imposed fees. Although some properties might not presently utilize groundwater, all parcels have overlying groundwater rights. Furthermore, there is a different level of benefits received from the GSA fees by user class with Irrigated-Groundwater lands receiving the highest level of SGMA compliance benefits and Non-Irrigated lands receiving the lowest level of SGMA compliance benefits. The Irrigated-Surface Water user class has a lower cost allocation than Irrigated-Groundwater because of the net recharge benefit provided and lower impact on groundwater sustainability metrics. In addition, surface water users may only use the groundwater resource during dry years as a supplemental source of supply. Those that use the groundwater resource directly as a permanent long-term supply have the highest cost allocation and associated recommended fees.

GGA User Class	GGA Acreage Data Land IQ/Glenn County	GGA Five-Year Budget Cost Allocation	
Non-irrigated	43,293 acres	4% of total GSA costs: does not impact groundwater sustainability metrics	
Irrigated-Surface Water	158,711 acres	Lower portion of 96% irrigated cost allocation: does provide some net groundwater recharge benefits	
Irrigated- Groundwater	84,990 acres	Higher portion of 96% irrigated cost allocation: directly impacts groundwater sustainability metrics	
NET BILLABLE ACRES	= 286,994 acres	GGA	
Non-irrigated: open space, vacant, natural habitat, dry land farming, rangeland. Irrigated-Surface Water: lands within entities providing surface water access to and/or to lands actively using surface water.			

Table 5-1. GGA Proposed Fee Cost Allocation User Classes

Irrigated-Groundwater: lands with no access to surface water that use groundwater. (Irrigated-Groundwater receives highest SGMA compliance benefits through Fees.

Table 5-2 summarizes the recommended cost allocation to structure fees based on benefits received by different user classes in the Subbasin.

GGA User Class	Irrigated/Non-Irrigated Cost Allocation	Irrig-SW/Irrig-GW Cost Allocation		
GSA Admin. Costs	96/4%%	45/55%		
SGMA Compliance Costs	96/4%%	45/55%		
Irrigated/Non-irrigated Cost Allocation: based on estimated annual water use by user type per 2022 Annual Report.				
Irrig-SW/Irrig-GW Cost Allocation: based on net groundwater impact differential between irrigated surface water and irrigated groundwater lands.				
(Final cost allocation is weighted based on costs of providing service to different user classes and SGMA compliance benefits received through Fees.)				

Table 5-2. GGA Proposed Fee Cost Allocation By User Class

Structuring proposed Fees based on the different level of service received by each user class will allow landowners to be directly represented through the GGA as it proceeds to meet the requirements of SGMA over the 2042 planning horizon.

Based on the recommended cost allocation by user class, which represents the different level of benefits that are to be attributed to landowners within the GGA service area boundaries if the proposed fees are approved, Table 5-3 summarizes the acreages used in the analyses.

Table 5-3. Acreage Subject to GGA Fees

GGA	GGA Acreage Data Land IQ/Glenn County	GGA Five-Year Budget Data Source		
Total GGA	305,905 acres	Colusa Subbasin GSP		
Total Federal Lands	-13,952 acres	Colusa Subbasin GSP		
Total State Lands	-0 acres	Colusa Subbasin GSP		
Total Tribal Lands	-0 acres	Colusa Subbasin GSP		
Other Unbillable	-4,959 acres	Colusa Subbasin GSP		
NET ASSESSABLE ACRES	= 286,994 acres	GGA		
Net acreage = Total GGA – exempt parcels (Federal/Tribal Lands, State considered uncollectible). Other Unbillable = roads, surface water features, other similar items.				
(source: Land IQ 2021 Data, County Assessor's data for boundary and parcel data)				

The lands have been identified as subject to the proposed Fees and would fund the GGA Five-Year Budget. The Operational and GSP Implementation Costs are applicable to all parcel owner acreages listed in Table 5-3 as reflected in net assessable acres above to all who will have an adopted 2022 GSP funded through the Proposition 1 and 68 programs. The proposed 2023 GGA Fee Roll is based on the GGA net assessable acreage located within the GGA, and 2022-2023 tax rolls of Glenn County. The tax roll list of APNs that would be subject to the proposed Fees are included as **Appendix C.** The complete roll will be submitted to the County upon implementation of the GGA Fee by August 10, 2023.

The GGA service area boundary includes areas served by member agencies and Federal and Tribal owned lands that are exempt from GSA fees. All property owners subject to the proposed Fees would pay the County through their property tax bill for specified fees. The Agencies within the GGA could have the option to pay their share of total GSA costs on behalf of the landowners through a Funding Agreement. The GGA Board will discuss the options for receiving future GSA fee revenues. The GGA will discuss terms and payment options for those subject to the Proposed Fees as deemed necessary to ensure that all parcels subject to the proposed fee pay their fair share of the GGA's total Five-Year Budget amount. **Appendix E** contains information on this topic which will be finalized as part of the approval of the GGA Fee Report.

Under SGMA legislation Federal and Tribal lands are exempt from GSA fees, and State lands can be billed but should not be relied on for budget planning purposes. Other lands are considered non-billable including roadways and water features.

SECTION 6: GGA PROPOSED FEES

This section describes the GGA's proposed Fees for funding GGA operational and GSP implementation costs over the initial five-year period (FY2023-24 through FY2027-28) post-GSP adoption in January 2022. The Fee would cover the associated legal, technical and administrative costs, as well as SGMA compliance costs associated with annual monitoring and reporting, five-year GSP updates, subbasin coordination, data management, financial planning, and grant funding procurement. Based on the services to be provided by the GGA, the GGA proposes to levy fees to all assessable parcels within the service area boundary of the GGA that are identified on the tax rolls of Glenn County.

In conformance with this Fee Report, the GGA would seek Fee revenues to fund its GSA operational and GSP related implementation costs associated with SGMA compliance for all parcels in the GGA service area boundary. Section 4 presents the proposed GGA Five-Year Budget and total revenues needed to fund the GGA efforts over the next five years and the methodology for setting charges in proportion to cost of service based on available information. Proposition 218 requires that charges levied to each parcel owner be proportional to the cost of service attributable to that customer. The costs of administering the GSA on behalf of the parcels within the GGA includes the legal, technical and administrative costs for landowners in the GGA service area boundary and are proportional to the number of acres covered by the GGA by each user class of the proposed Irrigated/Non-Irrigated fee structure (3-Tiers) with all parcels with each user class paying their share of benefits received from the GGA's governance, SGMA compliance, and local control attributes (no State Intervention or imposed fees). Therefore, collecting the operational and GSP implementation portions of the Fees based on a cost per acre basis fulfills the proportionality requirement. As the GGA currently does not have actual groundwater pumping volume data for individual parcels, or exact water sources data, charges proportional to extractions or water source would not be practical, applicable, or defensible under Proposition 218 requirements.

The proposed Fees include the GSA operational and GSP implementation costs necessary for SGMA compliance that would be proportional to the number of acres covered in meeting the annual operational budget target over the five-year charge period for the benefit of all landowners within the GGA service area boundary and is presented in Table 6-1. The maximum fees for irrigated-surface water, irrigated-groundwater and non-irrigated user classes allowed are \$2.40, \$5.59 and \$0.52 per acre respectively during the initial five-year funding period. An annualized charge (average annual charge) option is presented.

The cost allocation for the recommended Irrigated/Non-Irrigated fees is 96/4% respectively based on their percentage of total annual groundwater use in the Subbasin. The cost allocation for the fee proposes the cost allocation of the total GSA costs based on benefits received from SGMA compliance. This cost allocation is based on the percentage of SGMA compliance costs each user class should be responsible for based on their impact on the ability of GGA to meet groundwater sustainability metrics by 2042. Non-irrigators have the lowest impact on GGA groundwater metrics and therefore pay the lowest percentage of SGMA compliance costs based on the premise that they use a very small percentage of total groundwater use in the Subbasin. Those that significantly impact the groundwater aquifer and sustainability metrics are the Irrigated-Groundwater users who directly impact the ability of the GGA to meet groundwater

sustainability metrics by 2042. Irrigators primarily affect the ability of the GSA to operate the Subbasin within the safe yield identified in the GSP and therefore would pay a much higher percentage of the total GSA costs. Therefore, the proposed Fees allocate the majority of the total GSA costs to the Irrigated-GW and Irrigated-SW user classes who have a direct impact on the ability of the GSA to operate the Subbasin within the safe yield and are responsible for virtually all groundwater use in the Subbasin. The Irrigated-Groundwater user class uses the majority of groundwater use in the GGA service area and therefore has the highest GSA fees. The recommended fees are presented in Table 6-1 below.

Table 6-1 Recommended Fees	Fiscal Year 2023-24	Fiscal Year 2024-25	Fiscal Year 2025-26	Fiscal Year 2026-27	Fiscal Year 2027-28
Proposed Non- Irrigated Fee (\$/ac)	\$0.35	\$0.37	\$0.38	\$0.35	\$0.35
Fee Implementation Costs	\$0.14	\$0.14	\$0.14	\$0.14	\$0.14
Proposed Total Non-Irrigated Fee (\$/ac)	\$0.49	\$0.51	\$0.52	\$0.49	\$0.49
Proposed Irrigated- SW Fee (\$/ac)	\$2.11	\$2.20	\$2.26	\$2.11	\$2.08
Fee Implementation Costs	\$0.14	\$0.14	\$0.14	\$0.14	\$0.14
Proposed Total Irrigated-SW Fee (\$/ac)	\$2.25	\$2.34	\$2.40	\$2.25	\$2.22
Proposed Irrigated- GW Fee (\$/ac)	\$5.08	\$5.30	\$5.45	\$5.09	\$5.01
Fee Implementation Costs	\$0.14	\$0.14	\$0.14	\$0.14	\$0.14
Proposed Total Irrigated-GW Fee (\$/ac)	\$5.22	\$5.44	\$5.59	\$5.23	\$5.15

Table 6-1: GGA Proposed Irrigated/Non-Irrigated Fees

The GGA directed the Fee Study Ad-hoc Committee to work with LSCE to develop bring options to the GGA Board on a long-term fee that was more equitable during GSP implementation than the current uniform fee that was focused on GSP development. It was determined that utilizing the Irrigated/Non-Irrigated fee option in the Fee Report would give the GGA Board the opportunity to approve an equitable final fee structure for SGMA compliance

during GSP implementation for landowners subject to the Fees for the next five years of GSA operations. The GGA can approve the recommended fee when they consider approving a proposed fee option. The cost allocation for the recommended fee recognizes that irrigated parcels should bear the burden for a majority of SGMA compliance costs since they use most of the groundwater in the service area and will determine if long term water balance and sustainability metrics are met in the future. The Non-Irrigated user class fees base cost allocation on estimated groundwater use by those parcels within the Subbasin.

The recommended fee options will meet the GSA's Five-Year budget projections. The GGA can consider fee adjustments that do not exceed the maximum fees for each user class as needed for GSA operations and SGMA compliance costs. The GGA will continue to pursue outside funding opportunities as available to future GSA costs as low as possible while maintaining local control over its groundwater resources.

It is important for the GGA to approve the Fee Report and recommended long-term fees so that new long term GSA fees can be approved at the July or early August 2023 GGA meeting to establish new fees on the December 2023 property tax bill. The GGA needs the updated fees to cover 100% of the costs to maintain GSA operations and achieve SGMA compliance for all landowners in the GSA service area related to GSP implementation. The GGA's current fee structure expires in 2024 and was designed to cover the costs for GSP development not GSP implementation. Approval of the proposed fee is recommended in 2023 to provide additional GGA revenues to achieve SGMA compliance for all landowners in the GGA service areas.

The GGA is seeking to implement an Irrigated/Non-Irrigated fee with maximum fee amounts shown in Tables 6-1 for the recommended fee. The maximum fees for the approved fee option will be included in the Proposition 218 Notices mailed to property owners within the GGA service area boundary who are subject to the proposed fees for Irrigated-Surface Water, Irrigated-Groundwater and Non-Irrigated classified parcels. The public hearing to consider approving final fees by the GGA will occur at the July or early August 2023 GGA meeting.

It is recommended that the GGA hold a public workshop in July 2023 to provide landowners with the opportunity to voice their questions and concerns about the GGA long term fees recommended for approval at the July or early August 2023 GGA meeting. The budgeted operational expenses are in 2023 dollars and do not include future CPI annual inflation adjustments to account for the impact of future inflation on the GSA Operational Budget during the five-year fee implementation period. Note that the Fee applied by the GGA may vary from year to year but will not exceed the maximum amount unless an increase is approved through a subsequent Proposition 218 proceeding. **The necessary funding for the GGA will be reviewed annually by the GGA** and, depending on the projected funding level needed for the year, may be approved up to the maximum assessment rate. The proposed maximum annual charge allows the GGA to apply Fees to pay for anticipated increases in operating expenses and actions required to achieve SGMA compliance for members without having to incur the expense of routinely repeating the Proposition 218 procees.

The GGA would adopt the first year of the proposed Fees not to exceed the maximum fee amount specified in the Proposition 218 Notice then annually review the budget and adjust the fees as necessary over the five-year fee implementation period. If DWR grant funds are approved in a timely manner the GGA would have the opportunity to keep their fees lower than projected during the five-year charge schedule.

GGA Service Area – Assessment Roll

Appendix C is the proposed 2023 GGA Fee Roll. This roll serves as the basis for providing notice to each landowner in the GGA service area boundary whose land will be subject to the Fee, identifying each parcel as reflected in County records, and the acreage for the portion of each parcel within the GGA service area. The protest is directly related to the number of owners of parcels subject to the GGA Fees. The Fee will be considered and may be approved unless written protests accounting for a majority of the total assessed parcels are submitted at the public hearing.

Appendix D includes the Public Notices, which would be distributed to all parcels subject to Fees. The Protest Form will be included in the Proposition 218 Notice for those landowners who wish to file a protest against the proposed fees. More information will be available as part of the GSA's outreach and communication protocols.

GGA Conclusion

The primary objective of the GGA regarding revenues and financial sustainability is to ensure that its expenditures are truly necessary and reasonable for the stated purposes, and that those costs are allocated in a fair and equitable manner amongst the net assessable acres in its service area boundary. Based on the revenue objectives, the GGA's proposal is to fund its annual operational and GSP implementation future activities identified in this five-year budget for the benefit of all parcels within the GGA that pay the Fee. Absent the creation of the GGA (or a similar entity) and funding by the proposed charge, the GGA landowners would have no direct representation or cost-effective means for complying with SGMA requirements. Without such representation, the SWRCB would take corrective action as provided by SGMA to achieve compliance at a higher total cost to the Subbasin without local control. Note that under State control fees or costs to individual landowners may or may not be higher than the proposed GGA Fees. However, with this proposed fee, properties will receive SGMA compliance benefits with local and more tailored representation than the SWRCB can provide for substantially lower basin-wide costs than if no GSA were formed. If no GSA were formed, the landowners would be left subject to regulation and oversight by the SWRCB with no local representation, local control, or guarantee that costs for addressing groundwater issues would be shared by the State.

SECTION 7: GGA IMPLEMENTATION PROCEDURES

Based on legal and policy review of procedural options available to the GGA, it has been determined that the proposed fee structure offers an equitable procedure, consistent with the precedent established from previously adopted similar Fees by other GSAs in California for SGMA compliance purposes. The GGA's proposed fee would generate revenues for its operations (including legal, technical, and administrative costs) and GSP implementation costs associated with SGMA compliance. Having the GGA serving its portion of the Subbasin located within Glenn County is the lowest cost GSA governance approach available to its members. The GGA intends to proceed with a protest hearing complying with provisions of Article XIII D of the California Constitution to allow for adoption of proposed Fees.

The GGA will be asked to: (a) approve and accept the Fee Report; (b) set a public hearing on the proposed Fees; and (c) authorize a Proposition 218 effort to mail (i) notices to these landowners informing them of the proposed Fees, and (ii) instructions for protest. At the public hearing, the GGA will state its intentions and justifications for pursuing a Proposition 218 effort, take into consideration any objections received to the proposed Fees and count any acceptable written protests received as of the close of the public hearing. If written protests, following all protest procedures, are submitted and received from a majority of the total assessed parcels by the close of the public hearing, the GGA will consider adoption of the proposed charge to comply with SGMA and maintain local control over groundwater management decisions.

The GGA shall maintain a record of the Report, protest notice and received protests, public outreach and notifications, and meeting agendas and minutes for all pre-fee adoption actions consistent with Proposition 218 procedures and to document GGA process transparency for the benefit of all stakeholders.

During the initial five-year Proposition 218 fee period (FY2023-24 through FY2027-28) the GGA will strive to keep Fees as low as possible based on actual expenses associated with GGA operations and GSP implementation activities as required to maintain compliance with SGMA requirements. Proposition 218 establishes the maximum Fees the GGA may charge during the initial five-year period. The proposed Fees are planned to be implemented throughout the fee period with annual fee adjustments not to exceed the maximum rate implemented as needed during the five-year fee schedule. The GGA will maintain Fees within the maximum level as required to achieve and maintain compliance with SGMA requirements. The GGA will review the proposed Fees annually and determine if any Fee adjustments are necessary based on actual expenditures to date and projected expenses over the following fiscal year.

The GGA will make updated Five-Year Budget financial information available regarding the revenues and expenditures associated with GGA Fee collections and SGMA compliance status. Subbasin coordination and grant funding efforts will be documented and updated on a regular basis. The GGA will conduct periodic financial audits to ensure efficient use of Fees and maintain transparency to members and stakeholders. The GGA will need to develop an Irrigated/Non-Irrigated Fee Policy for approval at the July/early August 2023 meeting when the GGA would consider approving the proposed fees.

SECTION 8: GGA REFERENCES

The GGA referenced and used information from the following sources to prepare this Fee Report for the GGA. All documents referenced are available as indicated on the website links below.

Colusa Subbasin Groundwater Sustainability Agency Glenn Groundwater Authority | County of Glenn

Bulletin No. 118, California's Groundwater, 2003 and 2016 Interim Update California Department of Water Resources

California's Groundwater (Bulletin 118)

2014 Sustainable Groundwater Management Act (including Fee related provisions) California Department of Water Resources

Sustainable Groundwater Management Act (SGMA) (ca.gov)

Glenn County, Parcel/Tax Data Year 2023, provided May 2023.

Glenn County Crop Report - 2021 Crop Reports (Statistics) | County of Glenn

Colusa Subbasin – 2022 Groundwater Sustainability Plan GGA website: <u>Colusa Subbasin Groundwater Sustainability Plan | County of Glenn</u>

Department of Water Resources Disadvantaged Communities Mapping Tool

https://gis.water.ca.gov/app/dacs/

Proposition 218 Implementation Guide, 2007 Update League of California Cities

PROPOSITION-218;-2007-Implementation-Guide (cacities.org)

Proposition 26 and 218, Local Agency Implementation Guide, 2021 Update League of California Cities

Propositions 26 and 218 Implementation Guide | Cal Cities

APPENDIX A

Glenn Groundwater Authority – Establishing Resolution/Agreements GSP Executive Summary GSP Adoption documentation


BOARD OF SUPERVISORS, GLENN COUNTY, CALIFORNIA

RESOLUTION NO. 2017-46

A RESOLUTION AUTHORIZING EXECUTION OF JOINT EXERCISE OF POWERS AGREEMENT ESTABLISHING THE GLENN GROUNDWATER AUTHORITY

WHEREAS, the California Legislature has adopted, and the Governor has signed into law, the Sustainable Groundwater Management Act of 2014 (SGMA), which authorizes local agencies and mutual water companies to manage groundwater in a sustainable fashion; and

WHEREAS, the County of Glenn is a local agency, as defined by SGMA, duly organized and validly existing under the Constitution and laws of the State of California; and

WHEREAS, in order to exercise the authority granted in SGMA, a local agency or combination of local agencies must elect to become or form a groundwater sustainability agency (GSA); and

WHEREAS, a combination of local agencies may form a GSA by using a joint powers agreement; and

WHEREAS, the County of Glenn, upon authorization of its Board, may, pursuant to Article 1 (commencing with Section 6500) of Chapter 5 of Division 7 of Title 1 of the Government Code (JPA Act), enter into a joint exercise of powers agreement to jointly exercise any power common to the contracting parties; and

WHEREAS, the County of Glenn has negotiated, with other public agencies, the terms of the Joint Exercise of Powers Agreement Establishing the Glenn Groundwater Authority (JPA Agreement), attached hereto as Exhibit A; and

WHEREAS, the JPA Agreement is to be executed by the entities listed in Exhibit A of the JPA Agreement (Members); and

WHEREAS, each of the Members is a "public agency" as defined in Government Code section 6500; and

WHEREAS, the JPA Agreement provides that the Glenn Groundwater Authority (Authority) will be a public entity separate and apart from the parties to the JPA Agreement and that the debts, liabilities, and obligations of the Authority will not be the debts, liabilities, or obligations of the Members; and WHEREAS, the Members intend to sustainably manage groundwater throughout portions of the Colusa Subbasin of the Sacramento Valley Groundwater Basin, California Department of Water Resources No. 5-21.52, as shown in Exhibit B of the JPA Agreement; and

WHEREAS, the County of Glenn has previously elected to become a GSA for lands within the jurisdictional boundaries of the County of Glenn overlying the Basin; and

WHEREAS, the JPA Agreement provides that the Authority will be the GSA for the Basin and shall make any and all necessary filings with regulatory agencies to become and serve as the GSA for the Basin prior to June 30, 2017; and

WHEREAS, the County of Glenn published notice pursuant to Government Code section 6066 of its public hearing to consider adoption of a resolution authorizing execution of the JPA Agreement, thereby forming the Authority and electing the Authority to serve as the GSA for the Basin, in the Sacramento Valley Mirror, a copy of which is attached hereto as Exhibit B; and

WHEREAS, on this day, the County of Glenn held a public hearing to consider whether to adopt a resolution authorizing execution of the JPA Agreement; and

WHEREAS, the Board of the County of Glenn has determined that execution of the JPA Agreement is in the County of Glenn's best interest and in the public interest; and

WHEREAS, adoption of this resolution does not constitute a "project" under California Environmental Quality Act Guidelines section 15378(b)(5), including organization and administrative activities of government, because there would be no direct or indirect physical changes in the environment as a result of this action.

NOW, THEREFORE, BE IT RESOLVED by the Board of Supervisors of the County of Glenn as follows:

- 1. The Chairman of the Board of Supervisors is hereby authorized to execute the JPA Agreement on behalf of the County of Glenn.
- 2. The Board of Supervisors hereby appoints <u>Supervisor Viegas</u> as its initial Director on the Authority's Board of Directors and <u>Supervisor Minto</u> as its initial Alternate on the Authority's Board of Directors.
- 3. <u>Supervisor Viegas</u> and <u>Supervisor Minto</u> are authorized and directed to take all action appropriate and necessary to implement the terms and conditions of the JPA Agreement, subject to oversight by the Board of Supervisors.
- 4. Upon execution of the JPA Agreement by all the Members, the Water Resource Coordinator shall notify the California Department of Water Resources that the

County of Glenn rescinds its previous election to become a GSA for lands within the jurisdictional boundaries of the County of Glenn overlying the Basin.

The foregoing resolution was duly passed and adopted by the Board of Supervisors of the County of Glenn at a meeting thereof held on June 20, 2017 by the following roll call vote:

AYES: Supervisors Minto, Viegas and Corum (Chairman) NOES: Supervisors Foltz and McDaniel ABSTAIN: None ABSENT: None

KEITH CORUM, CHAIRMAN

Glenn County Board of Supervisors

ATTEST:

Di Aulabaugh, Clerk of the Board of Supervisors County of Glenn, California

APPROVED AS TO FORM:

ALICIA EKLAND County Counsel County of Glenn, California

The foregoing instrument is a correct copy of the original on file in this office

6/28/17 ATTEST: _ Di Aulabaugh Clerk of the Board of Supervisors County of Glenn, State of California Deputy By:

RESOLUTION NO. 2017-4

A RESOLUTION OF PROVIDENT IRRIGATION DISTRICT AUTHORIZING EXECUTION OF JOINT EXERCISE OF POWERS AGREEMENT ESTABLISHING THE GLENN GROUNDWATER AUTHORITY

WHEREAS, the California Legislature has adopted, and the Governor has signed into law, the Sustainable Groundwater Management Act of 2014 (SGMA), which authorizes local agencies and mutual water companies to manage groundwater in a sustainable fashion; and

WHEREAS, Provident Irrigation District is a local agency, as defined by SGMA, duly organized and validly existing under the Constitution and laws of the State of California; and

WHEREAS, in order to exercise the authority granted in SGMA, a local agency or combination of local agencies must elect to become or form a groundwater sustainability agency (GSA); and

WHEREAS, a combination of local agencies may form a GSA by using a joint powers agreement; and

WHEREAS, the Provident Irrigation District, upon authorization of its Board of Directors, may, pursuant to Article 1 (commencing with Section 6500) of Chapter 5 of Division 7 of Title 1 of the Government Code (JPA Act), enter into a joint exercise of powers agreement to jointly exercise any power common to the contracting parties; and

WHEREAS, the Provident Irrigation District has negotiated, with other public agencies and a mutual water company, the terms of the Joint Exercise of Powers Agreement establishing the Glenn Groundwater Authority (JPA Agreement), attached hereto as Exhibit A; and

WHEREAS, the JPA Agreement is to be executed by the entities listed in Exhibit A of the JPA Agreement (Members); and

WHEREAS, each of the Members is a "public agency" as defined in Government Code section 6500; and

WHEREAS, the JPA Agreement provides that the Glenn Groundwater Authority (Authority) will be a public entity separate and apart from the parties to the JPA Agreement and that the debt, liabilities, and obligations of the Authority will not be the debts, liabilities, or obligations of the Members; and

WHEREAS, the Members intend to sustainably manage groundwater throughout portions of the Colusa Subbasin of the Sacramento Valley Groundwater Basin, California Department of Water Resources No. 5-21.52, California Department of Water Resources No. 5-21.58 (Basin), as shown in Exhibit B of the JPA Agreement; and

WHEREAS, the Provident Irrigation District has previously elected to become a GSA for lands within the Jurisdictional boundaries of the Provident Irrigation District overlying the Basin; and

WHEREAS, the JPA Agreement provides that the Authority will be the GSA for the Basin and shall make any and all necessary filings with regulatory agencies to become and serve as the GSA for the Basin prior to June 30, 2017; and

WHEREAS, the Provident Irrigation District published notice pursuant to Government Code section 6066 of its public hearing to consider adoption of a resolution authorizing execution of the JPA Agreement, thereby forming the Authority and electing the Authority to serve as the GSA for the Basin, in the Sacramento Valley Mirror, a copy of which is attached hereto as Exhibit B; and in the Sacramento Valley Mirror.

WHEREAS, on this day, the Provident Irrigation District held a public hearing to consider whether to adopt a resolution authorizing execution of the JPA Agreement; and

WHEREAS, the Board of Directors of the Provident Irrigation District has determined that execution of the JPA Agreement is in the Provident Irrigation District best interest and in the public interest; and

WHEREAS, adoption of this resolution does not constitute a "project" under California Environmental Quality Act Guidelines section 15378(b)(5), including organization and administrative activities of government, because there would be no direct or indirect physical changes in the environment as a result of this action.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of Provident Irrigation District as follows:

- 1. The President of the Board of Directors is hereby authorized to execute the JPA Agreement on behalf of the Provident Irrigation District.
- 2. The Board of Directors hereby appoints Gary Enos as its initial Director on the Authority's Board of Directors and Lance Boyd, Manager as its initial Alternate of the Authority's Board of Directors.
- 3. Gary Enos and Lance Boyd are authorized and directed to take all action appropriate and necessary to implement the terms and conditions of the JPA Agreement, subject to oversight by the Board of Directors.
- 4. Upon execution of the JPA Agreement by all the Members, the Princeton-Codora-Glenn Irrigation District/Provident Irrigation District shall notify the California Department of Water Resources that the Princeton-Codora-Glenn Irrigation District/Provident Irrigation District rescinds its previous election to become a GSA for lands within the jurisdictional boundaries of the Provident Irrigation District overlying the Basin.

The foregoing resolution was duly passed and adopted by the Board of Directors of the Provident Irrigation District at a meeting thereof held on June 19, 2017 by the following roll call vote:

AYES: Lester Calvert, Gary Enos & Albert Perez, Jr.

NOES: None

ABSTAIN: None

ABSENT: Jerry Southam & Elwood Weller

Tice President

CERTIFICATION OF SECRETARY

I, Andrea Roach, hereby certify that I am, and at all times mentioned herein was, the dulyelected, qualified and acting Secretary of Provident Irrigation District, organized and existing under and by virtue of the laws of the State of California; the foregoing is a full, true and correct copy of a Resolution duly adopted at a special meeting of the Board of Directors held on June 19, 2017, a quorum of the Members of the Provident Irrigation District being present and voting in favor of the Resolution as specified above; and the Resolution has not been modified, altered, or amended.

Un that

Secretary

JOINT NOTICE OF PUBLIC HEARINGS

Pursuant to Water Code section 10723(b) and Government Code section 6066, notice is hereby given that the City of Orland, City of Willows, Kanawha Water District, Glide Water District, Princeton-Codora-Glenn Irrigation District, Provident Irrigation District, Orland-Artois Water District, and the County of Glenn will hold separate public hearings (details on the dates, times and locations are set forth below) to:

Consider the adoption of a resolution approving the Joint Exercise of Powers Agreement establishing the Glenn Groundwater Authority, which among other things will: (1) form the Glenn Groundwater Authority; (2) elect the Glenn Groundwater Authority to serve as the groundwater sustainability agency under the Sustainable Groundwater Management Act (Water Code §§ 10720, et seq.) for the Glenn County areas of the Colusa Subbasin of the Sacramento Valley Groundwater Basin; and (3) authorize the Glenn Groundwater Authority to make any and all necessary filings to formally confirm that it becomes the groundwater sustainability agency for the previously identified areas.

All interested persons are invited to attend the public hearings to provide comments, written or oral. Written comments may also be submitted prior to the public hearings to the mailing and/or email addresses provided below.

- City of Orland
 - The Orland City Council will hold a public hearing on June 19, 2017 at 7:00 PM in the Carnegie Center at 912 3rd Street, Orland, CA 95963 to consider the matters described above.
 - Written comments can be submitted to the City Clerk at Orland City Hall, 815 4th Street, Orland, CA 95963 or acrook@cityoforland.com prior to the hearing.

<u>City of Willows</u>

- The Willows City Council will hold a public hearing on June 13, 2017 at 7:00 PM in the Willows City Council Chambers at 201 North Lassen Street, Willows, CA to consider the matters described above.
- Written comments can be submitted to City Manager Wayne Peabody, 201 N. Lassen St., Willows, CA 95988 or wpeabody@cityofwillows.org prior to the hearing.

<u>Kanawha Water District</u>

- The Kanawha Water District Board of Directors will hold a public hearing on June 15, 2017 at 8:00 AM at 360 North County Road G, Willows, CA 95988 to consider the matters described above.
- Written comments can be submitted to P.O. Box 1054, Willows, CA 95988 prior to the hearing.

Glide Water District

- The Glide Water District Board of Directors will hold a public hearing on June 16, 2017 at 9:00 AM at 360 North County Road G, Willows, CA 95988 to consider the matters described above.
- Written comments can be submitted to P.O. Box 1054, Willows, CA 95988 prior to the hearing.

Princeton-Codora-Glenn Irrigation District

- The Princeton-Codora-Glenn Irrigation District Board of Directors will hold a public hearing on June 14, 2017 at 8:30 AM in the District office at 258 S. Butte St., Willows, CA 95988 to consider the matters described above.
- \circ $\;$ Written comments can be submitted to 258 S. Butte St., Willows, CA 95988 prior to the hearing.

Provident Irrigation District

- The Provident Irrigation District Board of Directors will hold a public hearing on June 19, 2017 at 9:00 AM in the District office at 258 S. Butte St., Willows, CA 95988 to consider the matters described above.
- Written comments can be submitted to P.O. Box 98, Princeton, CA 95970 prior to the hearing.

Orland-Artois Water District

- The Orland-Artois Water District Board of Directors will hold a public hearing on June 20, 2017 at 1:30 PM in the District office at 6505 County Road 27, Orland, CA 95963 to consider the matters described above.
- Written comments can be submitted to P.O. Box 218, Orland, CA 95963 or oawdemil@sbcglobal.net prior to the hearing.

County of Glenn

- The Glenn County Board of Supervisors will hold a public hearing on June 20, 2017 at 9:15 AM in Glenn County Board of Supervisors' Chambers at 525 West Sycamore Street to consider the matters described above.
- Written comments can be submitted to 525 W. Sycamore St., Suite B1, Willows, CA 95988 prior to the hearing.

RESOLUTION NO. 2017-4

A RESOLUTION OF PRINCETON-CODORA-GLENN IRRIGATION DISTRICT AUTHORIZING EXECUTION OF JOINT EXERCISE OF POWERS AGREEMENT ESTABLISHING THE GLENN GROUNDWATER AUTHORITY

WHEREAS, the California Legislature has adopted, and the Governor has signed into law, the Sustainable Groundwater Management Act of 2014 (SGMA), which authorizes local agencies and mutual water companies to manage groundwater in a sustainable fashion; and

WHEREAS, Princeton-Codora-Glenn Irrigation District is a local agency, as defined by SGMA, duly organized and validly existing under the Constitution and laws of the State of California; and

WHEREAS, in order to exercise the authority granted in SGMA, a local agency or combination of local agencies must elect to become or form a groundwater sustainability agency (GSA); and

WHEREAS, a combination of local agencies may form a GSA by using a joint powers agreement; and

WHEREAS, the Princeton-Codora-Glenn Irrigation District, upon authorization of its Board of Directors, may, pursuant to Article 1 (commencing with Section 6500) of Chapter 5 of Division 7 of Title 1 of the Government Code (JPA Act), enter into a joint exercise of powers agreement to jointly exercise any power common to the contracting parties; and

WHEREAS, the Princeton-Codora-Glenn Irrigation District has negotiated, with other public agencies and a mutual water company, the terms of the Joint Exercise of Powers Agreement establishing the Glenn Groundwater Authority (JPA Agreement), attached hereto as Exhibit A; and

WHEREAS, the JPA Agreement is to be executed by the entities listed in Exhibit A of the JPA Agreement (Members); and

WHEREAS, each of the Members is a "public agency" as defined in Government Code section 6500; and

WHEREAS, the JPA Agreement provides that the Glenn Groundwater Authority (Authority) will be a public entity separate and apart from the parties to the JPA Agreement and that the debt, liabilities, and obligations of the Authority will not be the debts, liabilities, or obligations of the Members; and

WHEREAS, the Members intend to sustainably manage groundwater throughout portions of the Colusa Subbasin of the Sacramento Valley Groundwater Basin, California Department of Water Resources No. 5-21.52, California Department of Water Resources No. 5-21.58 (Basin), as shown in Exhibit B of the JPA Agreement; and

WHEREAS, the Princeton-Codora-Glenn Irrigation District has previously elected to become a GSA for lands within the Jurisdictional boundaries of the Princeton-Codora-Glenn Irrigation District overlying the Basin; and

WHEREAS, the JPA Agreement provides that the Authority will be the GSA for the Basin and shall make any and all necessary filings with regulatory agencies to become and serve as the GSA for the Basin prior to June 30, 2017; and

WHEREAS, the Princeton-Codora-Glenn Irrigation District published notice pursuant to Government Code section 6066 of its public hearing to consider adoption of a resolution authorizing execution of the JPA Agreement, thereby forming the Authority and electing the Authority to serve as the GSA for the Basin, in the Sacramento Valley Mirror, a copy of which is attached hereto as Exhibit B; and in the Sacramento Valley Mirror.

WHEREAS, on this day, the Princeton-Codora-Glenn Irrigation District held a public hearing to consider whether to adopt a resolution authorizing execution of the JPA Agreement; and

WHEREAS, the Board of Directors of the Princeton-Codora-Glenn Irrigation District has determined that execution of the JPA Agreement is in the Princeton-Codora-Glenn Irrigation District best interest and in the public interest; and

WHEREAS, adoption of this resolution does not constitute a "project" under California Environmental Quality Act Guidelines section 15378(b)(5), including organization and administrative activities of government, because there would be no direct or indirect physical changes in the environment as a result of this action.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of Princeton-Codora-Glenn Irrigation District as follows:

- 1. The President of the Board of Directors is hereby authorized to execute the JPA Agreement on behalf of the Princeton-Codora-Glenn Irrigation District.
- 2. The Board of Directors hereby appoints Gary Enos as its initial Director on the Authority's Board of Directors and Lance Boyd, Manager as its initial Alternate of the Authority's Board of Directors.
- 3. Gary Enos and Lance Boyd are authorized and directed to take all action appropriate and necessary to implement the terms and conditions of the JPA Agreement, subject to oversight by the Board of Directors.
- 4. Upon execution of the JPA Agreement by all the Members, the Princeton-Codora-Glenn Irrigation District/Provident Irrigation District shall notify the California Department of Water Resources that the Princeton-Codora-Glenn Irrigation District/Provident Irrigation District rescinds its previous election to become a GSA for lands within the jurisdictional boundaries of the Princeton-Codora-Glenn Irrigation District overlying the Basin.

The foregoing resolution was duly passed and adopted by the Board of Directors of the Princeton-Codora-Glenn Irrigation District at a meeting thereof held on June 14, 2017 by the following roll call vote:

AYES: John Garner, William Weller, Jim Campbell, Ron Withrow & David Alves

NOES: None

ABSTAIN: None

ABSENT: None

David Alves, President

CERTIFICATION OF SECRETARY

I, Andrea Roach, hereby certify that I am, and at all times mentioned herein was, the dulyelected, qualified and acting Secretary of Princeton-Codora-Glenn Irrigation District, organized and existing under and by virtue of the laws of the State of California; the foregoing is a full, true and correct copy of a Resolution duly adopted at a regular meeting of the Board of Directors held on June 14, 2017, a quorum of the Members of the Princeton-Codora-Glenn Irrigation District being present and voting in favor of the Resolution as specified above; and the Resolution has not been modified, altered, or amended.

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Secretary

JOINT NOTICE OF PUBLIC HEARINGS

Pursuant to Water Code section 10723(b) and Government Code section 6066, notice is hereby given that the City of Orland, City of Willows, Kanawha Water District, Glide Water District, Princeton-Codora-Glenn Irrigation District, Provident Irrigation District, Orland-Artois Water District, and the County of Glenn will hold separate public hearings (details on the dates, times and locations are set forth below) to:

> Consider the adoption of a resolution approving the Joint Exercise of Powers Agreement establishing the Glenn Groundwater Authority, which among other things will: (1) form the Glenn Groundwater Authority; (2) elect the Glenn Groundwater Authority to serve as the groundwater sustainability agency under the Sustainable Groundwater Management Act (Water Code §§ 10720, et seq.) for the Glenn County areas of the Colusa Subbasin of the Sacramento Valley Groundwater Basin; and (3) authorize the Glenn Groundwater Authority to make any and all necessary filings to formally confirm that it becomes the groundwater sustainability agency for the previously identified areas.

All interested persons are invited to attend the public hearings to provide comments, written or oral. Written comments may also be submitted prior to the public hearings to the mailing and/or email addresses provided below.

- <u>City of Orland</u>
 - The Orland City Council will hold a public hearing on June 19, 2017 at 7:00 PM in the Carnegie Center at 912 3rd Street, Orland, CA 95963 to consider the matters described above.
 - Written comments can be submitted to the City Clerk at Orland City Hall, 815 4th Street, Orland, CA 95963 or acrook@cityoforland.com prior to the hearing.

<u>City of Willows</u>

- The Willows City Council will hold a public hearing on June 13, 2017 at 7:00 PM in the Willows City Council Chambers at 201 North Lassen Street, Willows, CA to consider the matters described above.
- Written comments can be submitted to City Manager Wayne Peabody, 201 N. Lassen St., Willows, CA 95988 or wpeabody@cityofwillows.org prior to the hearing.

<u>Kanawha Water District</u>

- The Kanawha Water District Board of Directors will hold a public hearing on June 15, 2017 at 8:00 AM at 360 North County Road G, Willows, CA 95988 to consider the matters described above.
- Written comments can be submitted to P.O. Box 1054, Willows, CA 95988 prior to the hearing.

<u>Glide Water District</u>

- The Glide Water District Board of Directors will hold a public hearing on June 16, 2017 at 9:00 AM at 360 North County Road G, Willows, CA 95988 to consider the matters described above.
- \circ $\,$ Written comments can be submitted to P.O. Box 1054, Willows, CA 95988 prior to the hearing.

Princeton-Codora-Glenn Irrigation District

- The Princeton-Codora-Glenn Irrigation District Board of Directors will hold a public hearing on June 14, 2017 at 8:30 AM in the District office at 258 S. Butte St., Willows, CA 95988 to consider the matters described above.
- Written comments can be submitted to 258 S. Butte St., Willows, CA 95988 prior to the hearing.

<u>Provident Irrigation District</u>

- The Provident Irrigation District Board of Directors will hold a public hearing on June 19, 2017 at 9:00 AM in the District office at 258 S. Butte St., Willows, CA 95988 to consider the matters described above.
- Written comments can be submitted to P.O. Box 98, Princeton, CA 95970 prior to the hearing.

Orland-Artois Water District

- The Orland-Artois Water District Board of Directors will hold a public hearing on June 20, 2017 at 1:30 PM in the District office at 6505 County Road 27, Orland, CA 95963 to consider the matters described above.
- Written comments can be submitted to P.O. Box 218, Orland, CA 95963 or oawdemil@sbcglobal.net prior to the hearing.

<u>County of Glenn</u>

- The Glenn County Board of Supervisors will hold a public hearing on June 20, 2017 at 9:15 AM in Glenn County Board of Supervisors' Chambers at 525 West Sycamore Street to consider the matters described above.
- Written comments can be submitted to 525 W. Sycamore St., Suite B1, Willows, CA 95988 prior to the hearing.

RESOLUTION NO. 2017-4

A RESOLUTION OF KANAWHA WATER DISTRICT AUTHORIZING EXECUTION OF JOINT EXERCISE OF POWERS AGREEMENT ESTABLISHING THE GLENN GROUNDWATER AUTHORITY

WHEREAS, the California Legislature has adopted, and the Governor has signed into law, the Sustainable Groundwater Management Act of 2014 (SGMA), which authorizes local agencies and mutual water companies to manage groundwater in a sustainable fashion; and

WHEREAS, Kanawha Water District is a local agency, as defined by SGMA, duly organized and validly existing under the Constitution and laws of the State of California; and

WHEREAS, in order to exercise the authority granted in SGMA, a local agency or combination of local agencies must elect to become or form a groundwater sustainability agency (GSA); and

WHEREAS, a combination of local agencies may form a GSA by using a joint powers agreement; and

WHEREAS, the Kanawha Water District, upon authorization of its Board of Directors, may, pursuant to Article 1 (commencing with Section 6500) of Chapter 5 of Division 7 of Title 1 of the Government Code (JPA Act), enter into a joint exercise of powers agreement to jointly exercise any power common to the contracting parties; and

WHEREAS, the Kanawha Water District has negotiated, with other public agencies, the terms of the Joint Exercise of Powers Agreement Establishing the Glenn Groundwater Authority (JPA Agreement), attached hereto as Exhibit A; and

WHEREAS, the JPA Agreement is to be executed by the entities listed in Exhibit A of the JPA Agreement (Members); and

WHEREAS, each of the Members is a "public agency" as defined in Government Code section 6500; and

WHEREAS, the JPA Agreement provides that the Glenn Groundwater Authority (Authority) will be a public entity separate and apart from the parties to the JPA Agreement and that the debt, liabilities, and obligations of the Authority will not be the debts, liabilities, or obligations of the Members; and

WHEREAS, the Members intend to sustainably manage groundwater throughout portions of the Colusa Subbasin of the Sacramento Valley Groundwater Basin, California Department of Water Resources No. 5-21.52, California Department of Water Resources No. 5-21.58 (Basin), as shown in Exhibit B of the JPA Agreement; and

WHEREAS, the Kanawha Water District has previously elected to become a GSA for lands within the Jurisdictional boundaries of the Kanawha Water District overlying the Basin; and

WHEREAS, the JPA Agreement provides that the Authority will be the GSA for the Basin and shall make any and all necessary filings with regulatory agencies to become and serve as the GSA for the Basin prior to June 30, 2017; and

WHEREAS, the Kanawha Water District published notice pursuant to Government Code section 6066 of its public hearing to consider adoption of a resolution authorizing execution of the JPA Agreement, thereby forming the Authority and electing the Authority to serve as the GSA for the Basin, in the Sacramento Valley Mirror, a copy of which is attached hereto as Exhibit B; and

WHEREAS, on this day, the Kanawha Water District held a public hearing to consider whether to adopt a resolution authorizing execution of the JPA Agreement; and

WHEREAS, the Board of Directors of the Kanawha Water District has determined that execution of the JPA Agreement is in the Kanawha Water District best interest and in the public interest; and

WHEREAS, adoption of this resolution does not constitute a "project" under California Environmental Quality Act Guidelines section 15378(b)(5), including organization and administrative activities of government, because there would be no direct or indirect physical changes in the environment as a result of this action.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of Kanawha Water District as follows:

- 1. The President of the Board of Directors is hereby authorized to execute the JPA Agreement on behalf of the Kanawha Water District.
- 2. The Board of Directors hereby appoints Randy Hansen as its initial Director on the Authority's Board of Directors and Wade Danley as its initial Alternate of the Authority's Board of Directors.
- 3. Randy Hansen and Wade Danley are authorized and directed to take all action appropriate and necessary to implement the terms and conditions of the JPA Agreement, subject to oversight by the Board of Directors.
- 4. Upon execution of the JPA Agreement by all the Members, the Kanawha Water District shall notify the California Department of Water Resources that the Kanawha Water District rescinds its previous election to become a GSA for lands within the jurisdictional boundaries of the Kanawha Water District overlying the Basin.

The foregoing resolution was duly passed and adopted by the Board of Directors of the Kanawha Water District at a meeting thereof held on June 15, 2017 by the following roll call vote:

AYES: L. Boyd, W. Danley, R. Hansen, P. Ceccon, Jr.

NOES: None

ABSTAIN: None

ABSENT: R. Lederer

Nance Doyd President

ATTEST:

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Michael Aliza

CERTIFICATION OF SECRETARY

I, Michael Alves, hereby certify that I am, and at all times mentioned herein was, the dulyelected, qualified and acting Secretary of Kanawha Water District, organized and existing under and by virtue of the laws of the State of California; the foregoing is a full, true and correct copy of a Resolution duly adopted at a special meeting of the Board of Directors held on June 15, 2017, a quorum of the Members of the Kanawha Water District being present and voting in favor of the Resolution as specified above; and the Resolution has not been modified, altered, or amended.

richard Alves

Secretary

RESOLUTION NO. 2017-08

A RESOLUTION OF GLENN-COLUSA IRRIGATION DISTRICT AUTHORIZING EXECUTION OF JOINT EXERCISE OF POWERS AGREEMENT ESTABLISHING THE GLENN GROUNDWATER AUTHORITY

WHEREAS, the California Legislature has adopted, and the Governor has signed into law, the Sustainable Groundwater Management Act of 2014 (SGMA), which authorizes local agencies to manage groundwater in a sustainable fashion; and

WHEREAS, Glenn-Colusa Irrigation District (District) is a local agency, as defined by SGMA, duly organized and validly existing under the Constitution and laws of the State of California; and

WHEREAS, in order to exercise the authority granted in SGMA, a local agency or combination of local agencies must elect to become or form a groundwater sustainability agency (GSA); and

WHEREAS, a combination of local agencies may form a GSA by using a joint powers agreement; and

WHEREAS, the District, upon authorization of its Board of Directors, may, pursuant to Article 1 (commencing with Section 6500) of Chapter 5 of Division 7 of Title 1 of the Government Code (JPA Act), enter into a joint exercise of powers agreement to jointly exercise any power common to the contracting parties; and

WHEREAS, the District has negotiated, with other public agencies, the terms of the Joint Exercise of Powers Agreement Establishing the Glenn Groundwater Authority (JPA Agreement), attached hereto as Exhibit A; and

WHEREAS, the JPA Agreement is to be executed by the entities listed in Exhibit A of the JPA Agreement (Members); and

WHEREAS, each of the Members is a "public agency" as defined in Government Code section 6500; and

WHEREAS, the JPA Agreement provides that the Glenn Groundwater Authority (Authority) will be a public entity separate and apart from the parties to the JPA Agreement and that the debts, liabilities, and obligations of the Authority will not be the debts, liabilities, or obligations of the Members; and

WHEREAS, the Members intend to sustainably manage groundwater throughout portions of the Colusa Subbasin of the Sacramento Valley

Groundwater Basin, California Department of Water Resources No. 5-21.52 (Basin), as shown in Exhibit B of the JPA Agreement; and

WHEREAS, the District has previously elected to become a GSA for lands within the jurisdictional boundaries of the District overlying the Basin; and

WHEREAS, the JPA Agreement provides that the Authority will be the GSA for the Basin and shall make any and all necessary filings with regulatory agencies to become and serve as the GSA for the Basin prior to June 30, 2017; and

WHEREAS, the District published notice pursuant to Government Code section 6066 of its public hearing to consider adoption of a resolution authorizing execution of the JPA Agreement, thereby forming the Authority and electing the Authority to serve as the GSA for the Basin, a copy of which is attached hereto as Exhibit B; and

WHEREAS, on this day, the District held a public hearing to consider whether to adopt a resolution authorizing execution of the JPA Agreement; and

WHEREAS, the Board of Directors of the District has determined that execution of the JPA Agreement is in the District's best interest and in the public interest; and

WHEREAS, adoption of this resolution does not constitute a "project" under California Environmental Quality Act Guidelines section 15378(b)(5), including organization and administrative activities of government, because there would be no direct or indirect physical changes in the environment as a result of this action.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the District as follows:

- 1. The President of the Board is hereby authorized to execute the JPA Agreement on behalf of the District.
- 2. The Board of Directors hereby appoints Board Member John Amaro as its initial Director on the Authority's Board of Directors and General Manager, Thaddeus Bettner, as its initial Alternate on the Authority's Board of Directors.
- 3. Board Member Amaro and General Manager Bettner are authorized and directed to take all action appropriate and necessary to implement the terms and conditions of the JPA Agreement, subject to oversight by the Board of Directors.

4. Upon execution of the JPA Agreement by all the Members, the General Manager shall notify the California Department of Water Resources that the District rescinds its previous election to become a GSA for lands within the jurisdictional boundaries of the District overlying the Basin.

The foregoing resolution was duly passed and adopted by the Board of Directors of the District at a meeting thereof held on June 15, 2017, by the following roll call vote:

AYES:Directors Bransford, Rolen, Amaro and DennisNOES:ABSTAIN:ABSENT:Director Knight

I hereby certify that I am the Secretary of the Glenn-Colusa Irrigation District and that the foregoing resolution was duly adopted by the Board of Directors of said District at a regular meeting thereof duly held on June 15, 2017, at which meeting a quorum of said Board of Directors was at all times present and acting.

IN WITNESS WHEREOF, I have set my hand and the seal of the District this 15 day of June, 2017.

Thaddeus L. Bettner, Secretary Board of Directors Glenn-Colusa Irrigation District

RESOLUTION NO. 2017-5

A RESOLUTION OF GLIDE WATER DISTRICT AUTHORIZING EXECUTION OF JOINT EXERCISE OF POWERS AGREEMENT ESTABLISHING THE GLENN GROUNDWATER AUTHORITY

WHEREAS, the California Legislature has adopted, and the Governor has signed into law, the Sustainable Groundwater Management Act of 2014 (SGMA), which authorizes local agencies and mutual water companies to manage groundwater in a sustainable fashion; and

WHEREAS, Glide Water District is a local agency, as defined by SGMA, duly organized and validly existing under the Constitution and laws of the State of California; and

WHEREAS, in order to exercise the authority granted in SGMA, a local agency or combination of local agencies must elect to become or form a groundwater sustainability agency (GSA); and

WHEREAS, a combination of local agencies may form a GSA by using a joint powers agreement; and

WHEREAS, the Glide Water District, upon authorization of its Board of Directors, may, pursuant to Article 1 (commencing with Section 6500) of Chapter 5 of Division 7 of Title 1 of the Government Code (JPA Act), enter into a joint exercise of powers agreement to jointly exercise any power common to the contracting parties; and

WHEREAS, the Glide Water District has negotiated, with other public agencies, the terms of the Joint Exercise of Powers Agreement Establishing the Glenn Groundwater Authority (JPA Agreement), attached hereto as Exhibit A; and

WHEREAS, the JPA Agreement is to be executed by the entities listed in Exhibit A of the JPA Agreement (Members); and

WHEREAS, each of the Members is a "public agency" as defined in Government Code section 6500; and

WHEREAS, the JPA Agreement provides that the Glenn Groundwater Authority (Authority) will be a public entity separate and apart from the parties to the JPA Agreement and that the debt, liabilities, and obligations of the Authority will not be the debts, liabilities, or obligations of the Members; and

WHEREAS, the Members intend to sustainably manage groundwater throughout portions of the Colusa Subbasin of the Sacramento Valley Groundwater Basin, California Department of Water Resources No. 5-21.52, California Department of Water Resources No. 5-21.58 (Basin), as shown in Exhibit B of the JPA Agreement; and

WHEREAS, the Glide Water District has previously elected to become a GSA for lands within the Jurisdictional boundaries of the Glide Water District overlying the Basin; and

WHEREAS, the JPA Agreement provides that the Authority will be the GSA for the Basin and shall make any and all necessary filings with regulatory agencies to become and serve as the GSA for the Basin prior to June 30, 2017; and

WHEREAS, the JPA Agreement provides that the Authority will be the GSA for the Basin and shall make any and all necessary filings with regulatory agencies to become and serve as the GSA for the Basin prior to June 30, 2017; and

WHEREAS, the Glide Water District published notice pursuant to Government Code section 6066 of its public hearing to consider adoption of a resolution authorizing execution of the JPA Agreement, thereby forming the Authority and electing the Authority to serve as the GSA for the Basin, in the Sacramento Valley Mirror, a copy of which is attached hereto as Exhibit B; and

WHEREAS, on this day, the Glide Water District held a public hearing to consider whether to adopt a resolution authorizing execution of the JPA Agreement; and

WHEREAS, the Board of Directors of the Glide Water District has determined that execution of the JPA Agreement is in the Glide Water District best interest and in the public interest; and

WHEREAS, adoption of this resolution does not constitute a "project" under California Environmental Quality Act Guidelines section 15378(b)(5), including organization and administrative activities of government, because there would be no direct or indirect physical changes in the environment as a result of this action.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of Glide Water District as follows:

- 1. The President of the Board of Directors is hereby authorized to execute the JPA Agreement on behalf of the Glide Water District.
- 2. The Board of Directors hereby appoints George Nerli as its initial Director on the Authority's Board of Directors and Leslie Nerli as its initial Alternate of the Authority's Board of Directors.
- 3. George Nerli and Leslie Nerli are authorized and directed to take all action appropriate and necessary to implement the terms and conditions of the JPA Agreement, subject to oversight by the Board of Directors.
- 4. Upon execution of the JPA Agreement by all the Members, the Glide Water District shall notify the California Department of Water Resources that the Glide Water District rescinds its previous election to become a GSA for lands within the jurisdictional boundaries of the Glide Water District overlying the Basin.

The foregoing resolution was duly passed and adopted by the Board of Directors of the Glide Water District at a meeting thereof held on June 16, 2017 by the following roll call vote:

AYES: D. Parisio, J. Mann, P. Feeney III, G. Nerli, K.C. Hansen

NOES: None

ABSTAIN: None

ABSENT: None

Dontarine

President

ATTEST:

Michael Alures

CERTIFICATION OF SECRETARY

I, Michael Alves, hereby certify that I am, and at all times mentioned herein was, the dulyelected, qualified and acting Secretary of Glide Water District, organized and existing under and by virtue of the laws of the State of California; the foregoing is a full, true and correct copy of a Resolution duly adopted at a special meeting of the Board of Directors held on June 16, 2017, a quorum of the Members of the Glide Water District being present and voting in favor of the Resolution as specified above; and the Resolution has not been modified, altered, or amended.

prechal Alex

Secretary

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE ORLAND-ARTOIS WATER DISTRICT

RESOLUTION NO. 2017-05

AUTHORIZING EXECUTION OF JOINT EXERCISE OF POWERS AGREEMENT ESTABLISHING THE GLENN GROUNDWATER AUTHORITY

WHEREAS, the California Legislature has adopted, and the Governor has signed into law, the Sustainable Groundwater Management Act of 2014 (SGMA), which authorizes local agencies and mutual water companies to manage groundwater in a sustainable fashion; and

WHEREAS, the ORLAND-ARTOIS WATER DISTRICT (OAWD) is a local agency, as defined by SGMA, duly organized and validly existing under the Constitution and laws of the State of California; and

WHEREAS, in order to exercise the authority granted in SGMA, a local agency or combination of local agencies must elect to become or form a groundwater sustainability agency (GSA); and

WHEREAS, a combination of local agencies may form a GSA by using a joint powers agreement; and

WHEREAS, the OAWD, upon authorization of its Board of Directors, may, pursuant to Article 1 (commencing with Section 6500) of Chapter 5 of Division 7 of Title 1 of the Government Code (JPA Act), enter into a joint exercise of powers agreement to jointly exercise any power common to the contracting parties; and

WHEREAS, the OAWD has negotiated, with other public agencies the terms of the Joint Exercise of Powers Agreement Establishing the Glenn Groundwater Authority (JPA Agreement), attached hereto as Exhibit A; and

WHEREAS, the JPA Agreement is to be executed by the entities listed in Exhibit A of the JPA Agreement (Members); and

WHEREAS, each of the Members is a "public agency" as defined in Government Code section 6500; and

WHEREAS, the JPA Agreement provides that the Glenn Groundwater Authority (Authority) will be a public entity separate and apart from the parties to the JPA Agreement and that the debts, liabilities, and obligations of the Authority will not be the debts, liabilities, or

June 20, 2017

Page 1 Orland-A

Orland-Artois Water District Resolution 2017-05

obligations of the Members; and

WHEREAS, the Members intend to sustainably manage groundwater throughout portions of the Colusa Subbasin of the Sacramento Valley Groundwater Basin, California Department of Water Resources No. 5-21.52, as shown in Exhibit B of the JPA Agreement; and

WHEREAS, the Board of Directors of the OAWD has previously elected to become a GSA for lands within the jurisdictional boundaries of the Board of Directors of OAWD overlying the Basin; and

WHEREAS, the JPA Agreement provides that the Authority will be the GSA for the Basin and shall make any and all necessary filings with regulatory agencies to become and serve as the GSA for the Basin prior to June 30, 2017; and

WHEREAS, the OAWD published notice pursuant to Government Code section 6066 of its public hearing to consider adoption of a resolution authorizing execution of the JPA Agreement, thereby forming the Authority and electing the Authority to serve as the GSA for the Basin, in the Sacramento Valley Mirror, a copy of which is attached hereto as Exhibit B; and

WHEREAS, on this day, the Board of Directors of the OAWD held a public hearing to consider whether to adopt a resolution authorizing execution of the JPA Agreement; and

WHEREAS, the Board of Directors of the OAWD has determined that execution of the JPA Agreement is in OAWD's best interest and in the public interest; and

WHEREAS, adoption of this resolution does not constitute a "project" under California Environmental Quality Act Guidelines section 15378(b)(5), including organization and administrative activities of government, because there would be no direct or indirect physical changes in the environment as a result of this action.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the ORLAND-ARTOIS WATER DISTRICT as follows:

- 1. The President of the Board of Directors is hereby authorized to execute the JPA Agreement on behalf of the OAWD.
- 2. The Board of Directors hereby appoints Charles Schonauer as its initial Director on the Authority's Board of Directors and Emil Cavagnolo and Andrea Jones as its initial Alternates on the Authority's Board of Directors.
- 3. Charles Schonauer, Emil Cavagnolo, and Andrea Jones, are authorized and directed to take all action appropriate and necessary to implement the terms and conditions of the JPA Agreement, subject to oversight by the Board of Directors.

4. Upon execution of the JPA Agreement by all the Members and actual approval of and formation of the Glenn Groundwater Authority GSA by California Department of Water Resources, the OAWD General Manager shall notify the California Department of Water Resources that the OAWD rescinds its previous election to become a GSA for lands within the jurisdictional boundaries of the OAWD overlying the Basin.

The foregoing resolution was duly passed and adopted by the Board of Directors of the ORLAND-ARTOIS WATER DISTRICT at a meeting thereof held on June 20, 2017, by the following roll call vote:

AYES: Vereschagen, Erickson, Pieper, Schonquer lones NOES:

ABSENT: ~ o ~ e

ABSTAIN: NONC

ATTEST:

Michael Vereschagin, President

Emil Cavagnolo, Secretary

CERTIFICATION OF SECRETARY

I, Emil Cavagnolo, hereby certify that I am, and at all times mentioned herein was, the dulyelected, qualified and acting Secretary of by the Board of Directors of the ORLAND-ARTOIS WATER DISTRICT, organized and existing under and by virtue of the laws of the State of California; the foregoing is a full, true and correct copy of a Resolution duly adopted at a regular meeting of the Board of Directors of the OAWD held on June 20, 2017, a quorum of the Members of the Board of Directors being present and voting in favor of the Resolution as specified above; and the Resolution has not been modified, altered, or amended.

Emil Cavagnolo, Secretary

June 13, 2017

Attachment B

RESOLUTION NO. 2017-_

A RESOLUTION OF CITY OF WILLOWS AUTHORIZING EXECUTION OF JOINT EXERCISE OF POWERS AGREEMENT ESTABLISHING THE GLENN GROUNDWATER AUTHORITY

WHEREAS, the California Legislature has adopted, and the Governor has signed into law, the Sustainable Groundwater Management Act of 2014 (SGMA), which authorizes local agencies and mutual water companies to manage groundwater in a sustainable fashion; and

WHEREAS, The City of Willows is a local agency, as defined by SGMA, duly organized and validly existing under the Constitution and laws of the State of California; and

WHEREAS, in order to exercise the authority granted in SGMA, a local agency or combination of local agencies must elect to become or form a groundwater sustainability agency (GSA); and

WHEREAS, a combination of local agencies may form a GSA by using a joint powers agreement; and

WHEREAS, the City of Willows, upon authorization of its Council, may, pursuant to Article 1 (commencing with Section 6500) of Chapter 5 of Division 7 of Title 1 of the Government Code (JPA Act), enter into a joint exercise of powers agreement to jointly exercise any power common to the contracting parties; and

WHEREAS, the City of Willows has negotiated, with other public agencies, the terms of the Joint Exercise of Powers Agreement Establishing the Glenn Groundwater Authority (JPA Agreement), attached hereto as Exhibit A; and

WHEREAS, the JPA Agreement is to be executed by the entities listed in Exhibit A of the JPA Agreement (Members); and

WHEREAS, each of the Members is a "public agency" as defined in Government Code section 6500; and

WHEREAS, the JPA Agreement provides that the Glenn Groundwater Authority (Authority) will be a public entity separate and apart from the parties to the JPA Agreement and that the debts, liabilities, and obligations of the Authority will not be the debts, liabilities, or obligations of the Members; and

WHEREAS, the Members intend to sustainably manage groundwater throughout portions of the Colusa Subbasin of the Sacramento Valley Groundwater Basin, California Department of Water Resources No. 5-21.52, as shown in Exhibit B of the JPA Agreement; and WHEREAS, the JPA Agreement provides that the Authority will be the GSA for the Basin and shall make any and all necessary filings with regulatory agencies to become and serve as the GSA for the Basin prior to June 30, 2017; and

WHEREAS, the City of Willows published notice pursuant to Government Code section 6066 of its public hearing to consider adoption of a resolution authorizing execution of the JPA Agreement, thereby forming the Authority and electing the Authority to serve as the GSA for the Basin, in the Valley Mirror and Tri County News Paper, a copy of which is attached hereto as Exhibit B; and

WHEREAS, on this day, the City of Willows held a public hearing to consider whether to adopt a resolution authorizing execution of the JPA Agreement; and

WHEREAS, the Council of the City of Willows has determined that execution of the JPA Agreement is in the City of Willows best interest and in the public interest; and

WHEREAS, adoption of this resolution does not constitute a "project" under California Environmental Quality Act Guidelines section 15378(b)(5), including organization and administrative activities of government, because there would be no direct or indirect physical changes in the environment as a result of this action.

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

- 1. The Mayor of the City of Willows, Gary Hansen is hereby authorized to execute the JPA Agreement on behalf of the City of Willows.
- 2. The Council hereby appoints Gary Hansen as its initial Director on the Authority's Board of Directors and Cal-Water Local Manager as its initial Alternate on the Authority's Board of Directors.
- 3. Mayor Gary Hansen and Cal-Water Local Manager are authorized and directed to take all action appropriate and necessary to implement the terms and conditions of the JPA Agreement, subject to oversight by the Council.

The foregoing resolution was duly passed and adopted by the Council of The City of Willows at a meeting thereof held on June 13, 2017 by the following roll call vote:

AYES: Williams, Yoder, Mello, Vice-Mayor Warren & Mayor Hansen

NOES:

ABSTAIN:

ABSENT:

CERTIFICATION OF CLERK

I, Robyn Johnson, hereby certify that I am, and at all times mentioned herein was, the dulyappointed, qualified and acting Clerk of the City of Willows, organized and existing under and by virtue of the laws of the State of California; the foregoing is a full, true and correct copy of a Resolution duly adopted at a regular meeting of the City of Willows Council held on June 13, 2017, a quorum of the Members of the Council being present and voting in favor of the Resolution as specified above; and the Resolution has not been modified, altered, or amended.

Robyn Johnson, City Clerk

<u>Attachment C</u>

JOINT NOTICE OF PUBLIC HEARINGS

Pursuant to Water Code section 10723(b) and Government Code section 6066, notice is hereby given that the City of Orland, City of Willows, Kanawha Water District, Glide Water District, Princeton-Codora-Glenn Irrigation District, Provident Irrigation District, Orland-Artois Water District, and the County of Glenn will hold separate public hearings (details on the dates, times and locations are set forth below) to:

Consider the adoption of a resolution approving the Joint Exercise of Powers Agreement establishing the Glenn Groundwater Authority, which among other things will: (1) form the Glenn Groundwater Authority; (2) elect the Glenn Groundwater Authority to serve as the groundwater sustainability agency under the Sustainable Groundwater Management Act (Water Code §§ 10720, et seq.) for the Glenn County areas of the Colusa Subbasin of the Sacramento Valley Groundwater Basin; and (3) authorize the Glenn Groundwater Authority to make any and all necessary filings to formally confirm that it becomes the groundwater sustainability agency for the previously identified areas.

All interested persons are invited to attend the public hearings to provide comments, written or oral. Written comments may also be submitted prior to the public hearings to the mailing and/or email addresses provided below.

- City of Orland
 - The Orland City Council will hold a public hearing on June 19, 2017 at 7:00 PM in the Carnegie Center at 912 3rd Street, Orland, CA 95963 to consider the matters described above.
 - Written comments can be submitted to the City Clerk at Orland City Hall, 815 4th Street, Orland, CA 95963 or acrook@cityoforland.com prior to the hearing.

<u>City of Willows</u>

- The Willows City Council will hold a public hearing on June 13, 2017 at 7:00 PM in the Willows City Council Chambers at 201 North Lassen Street, Willows, CA to consider the matters described above.
- Written comments can be submitted to City Manager Wayne Peabody, 201 N. Lassen St., Willows, CA 95988 or wpeabody@cityofwillows.org prior to the hearing.

• Kanawha Water District

- The Kanawha Water District Board of Directors will hold a public hearing on June 15, 2017 at 8:00 AM at 360 North County Road G, Willows, CA 95988 to consider the matters described above.
- Written comments can be submitted to P.O. Box 1054, Willows, CA 95988 prior to the hearing.

Glide Water District

 The Glide Water District Board of Directors will hold a public hearing on June 16, 2017 at 9:00 AM at 360 North County Road G, Willows, CA 95988 to consider the matters described above.

- Written comments can be submitted to P.O. Box 1054, Willows, CA 95988 prior to the hearing.
- Princeton-Codora-Glenn Irrigation District
 - The Princeton-Codora-Glenn Irrigation District Board of Directors will hold a public hearing on June 14, 2017 at 8:30 AM in the District office at 258 S. Butte St., Willows, CA 95988 to consider the matters described above.
 - Written comments can be submitted to 258 S. Butte St., Willows, CA 95988 prior to the hearing.

Provident Irrigation District

- The Provident Irrigation District Board of Directors will hold a public hearing on June 19, 2017 at 9:00 AM in the District office at 258 S. Butte St., Willows, CA 95988 to consider the matters described above.
- Written comments can be submitted to P.O. Box 98, Princeton, CA 95970 prior to the hearing.

• Orland-Artois Water District

- The Orland-Artois Water District Board of Directors will hold a public hearing on June 20, 2017 at 1:30 PM in the District office at 6505 County Road 27, Orland, CA 95963 to consider the matters described above.
- Written comments can be submitted to P.O. Box 218, Orland, CA 95963 or oawdemil@sbcglobal.net prior to the hearing.

<u>County of Glenn</u>

- The Glenn County Board of Supervisors will hold a public hearing on June 20, 2017 at 9:15 AM in Glenn County Board of Supervisors' Chambers at 525 West Sycamore Street to consider the matters described above.
- o Written comments can be submitted

RESOLUTION NO. 2017-10

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ORLAND AUTHORIZING EXECUTION OF JOINT EXERCISE OF POWERS AGREEMENT ESTABLISHING THE GLENN GROUNDWATER AUTHORITY

WHEREAS, the California Legislature has adopted, and the Governor has signed into law, the Sustainable Groundwater Management Act of 2014 (SGMA), which authorizes local agencies and mutual water companies to manage groundwater in a sustainable fashion; and

WHEREAS, City of Orland is a local agency, as defined by SGMA, duly organized and validly existing under the Constitution and laws of the State of California; and

WHEREAS, in order to exercise the authority granted in SGMA, a local agency or combination of local agencies must elect to become or form a groundwater sustainability agency (GSA); and

WHEREAS, a combination of local agencies may form a GSA by using a joint powers agreement; and

WHEREAS, the City of Orland, upon authorization of its City Council, may, pursuant to Article 1 (commencing with Section 6500) of Chapter 5 of Division 7 of Title 1 of the Government Code (JPA Act), enter into a joint exercise of powers agreement to jointly exercise any power common to the contracting parties; and

WHEREAS, the City of Orland has negotiated, with other public agencies, the terms of the Joint Exercise of Powers Agreement Establishing the Glenn Groundwater Authority (JPA Agreement), attached hereto as Exhibit A; and

WHEREAS, the JPA Agreement is to be executed by the entities listed in Exhibit A of the JPA Agreement (Members); and

WHEREAS, each of the Members is a "public agency" as defined in Government Code section 6500; and

WHEREAS, the JPA Agreement provides that the Colusa Groundwater Authority (Authority) will be a public entity separate and apart from the parties to the JPA Agreement and that the debts, liabilities, and obligations of the Authority will not be the debts, liabilities, or obligations of the Members; and

WHEREAS, the Members intend to sustainably manage groundwater throughout portions of the Colusa Subbasin of the Sacramento Valley Groundwater Basin, California Department of Water Resources No. 5-21.52, as shown in Exhibit B of the JPA Agreement; and

WHEREAS, the City of Orland has previously elected to become a GSA for lands within the jurisdictional boundaries of the City of Orland overlying the Basin; and WHEREAS, the JPA Agreement provides that the Authority will be the GSA for the Basin and shall make any and all necessary filings with regulatory agencies to become and serve as the GSA for the Basin prior to June 30, 2017; and

WHEREAS, the City of Orland published notice pursuant to Government Code section 6066 of its public hearing to consider adoption of a resolution authorizing execution of the JPA Agreement, thereby forming the Authority and electing the Authority to serve as the GSA for the Basin, in the Sacramento Valley Mirror, a copy of which is attached hereto as Exhibit B; and

WHEREAS, on this day, the City of Orland held a public hearing to consider whether to adopt a resolution authorizing execution of the JPA Agreement; and

WHEREAS, the City Council of the City of Orland has determined that execution of the JPA Agreement is in the City of Orland's best interest and in the public interest; and

WHEREAS, adoption of this resolution does not constitute a "project" under California Environmental Quality Act Guidelines section 15378(b)(5), including organization and administrative activities of government, because there would be no direct or indirect physical changes in the environment as a result of this action.

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

- 1. The City Manager of the City of Orland is hereby authorized to execute the JPA Agreement on behalf of the City of Orland.
- 2. The City Council hereby appoints Peter Carr as its initial Director on the Authority's Board of Directors and Bruce Roundy as its initial Alternate and Ed Vonasek as second alternate on the Authority's Board of Directors.
- 3. Peter Carr, Bruce Roundy and Ed Vonasek are authorized and directed to take all action appropriate and necessary to implement the terms and conditions of the JPA Agreement, subject to oversight by the Orland City Council.
- 4. Upon execution of the JPA Agreement by all the Members, the City Manager shall notify the California Department of Water Resources that the City of Orland rescinds its previous election to become a GSA for lands within the jurisdictional boundaries of the City of Orland overlying the Basin.

The foregoing resolution was duly passed and adopted by the City Council of the City of Orland at a meeting thereof held on June 19th, 2017 by the following roll call vote:

AYES: Councilmembers Gee, Edwards, Paschall, Vice Mayor Roundy and Mayor Hoffman

NOES: None

ABSTAIN: None

ABSENT: None

Dennis G. Hoffman, Mayor

ATTEST:

Angela Crook, City Clerk

CERTIFICATION OF CITY CLERK

I, Angela Crook, City Clerk hereby certify that I am, and at all times mentioned herein was, the duly-elected, qualified and acting City Clerk of the City of Orland organized and existing under and by virtue of the laws of the State of California; the foregoing is a full, true and correct copy of a Resolution duly adopted at a regular meeting of the City Council held on <u>Ourse 19</u>, 2017, a quorum of the Members of the City Council being present and voting in favor of the Resolution as specified above; and the Resolution has not been modified, altered, or amended.

Angela Crook, City Clerk

PROOF OF PUBLICATION

No. 3187

In the Matter of

Joint Notice of Public Hearings, City of Orland, City of Willows, Kanawha Water District, Glide Water District, Princeton-Codora-Glenn Irrigation District, Provident Irrigation District, Orland-Artois Water District and the County of Glenn - to adopt resolution approving the Powers Agreement-Glenn Groundwater Authority

State of California) County of Glenn) ss

The undersigned resident of the County of Glenn, State of California, says:

That I am, and at all time herein mentioned was a citizen of the United States and not a party to nor interested in the above entitled matter; that I am the principal clerk of the publisher of:

The Sacramento Valley Mirror That said newspaper is one of general circulation as defined by Section 6000 Government Code of the State of California, Case No. 27,207 by the Superior Court of the State of California, in and for the County of Glenn, Case #02CV00614; that said newspaper at all times herein mentioned was published twice a week (on Wednesdays and Saturdays) in the town of Willows and County of Glenn; that the notice of which the annexed is a true printed copy, was published in said newspaper on the following days:

May 31 and June 7, 2017

I certify (or declare), under penalty of perjury, that the foregoing is true and correct, at the County of Glenn, Willows, California.

Date June 9, 2017 at Willows, California.

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Tim Crews, Publisher

RUBDIC NOTICE

JOINT NOTICE OF PUBLIC HEARINGS

Pursuant to Water Code section 10723(b) and Government Code section 6066, notice is hereby given that the City of Orland; City of Willows, Kanawha Water District, Glide Water District, Princeton-Codora-Glenn Irrigation District, Provident Irrigation District, Orland-Artois Water District, and the County of Glenn will hold separate public hearings (details on the dates, times and locations are set forth below) to:

Consider the adoption of a resolution approving the Joint. Exercise of Powers Agreement establishing the Glenn Groundwater Authority, which among other things will: (1) form the Glenn Groundwater Authority; (2) elect the Glenn Groundwater Authority to serve as the groundwater sustainability agency under the Sustainable Groundwater Management Act (Water Code §§ 10720, et seq.) for the Glenn County areas of the Colusa Subbasin of the Sacramento Valley Groundwater Basin; and (3) authorize the Glenn Groundwater Authority to make any and all necessary filings to formally confirm that it becomes the groundwater sustainability agency for the previously identified areas.

All interested persons are invited to attend the public hearings to provide comments, written or oral. Written comments may also be submitted prior to the public hearings to the mailing and/or email addresses provided below. City of Orland

 The Orland City Council will hold a public hearing on June 19, 2017 at 7:00 PM in the Carnegic Center at 912 3rd Street, Orland, CA 95963 to consider the matters described above.

 Written comments can be submitted to the City Clerk at Orland City Hall, 815 4* Street, Orland, CA 95963 or acrook@cityoforland.com prior to the hearing.

City of Willows

22. 114 The Willows City Council will hold a public hearing on June 13, 2017 at 7:00 PM in the Willows City Council Chambers at 201 North Lassen Street, Willows, CA to consider the matters described above.

1.1

 Written comments can be submitted to City Manager Wayne Peabody 201 N. Lassen St., Willows, CA 95988 or wpeabody@cityofwillows.org prior to the hearing.

Kanawha Water District

 The Kanawha Water District Board of Directors will hold a public hearing on June 15, 2017 at 8:00 AM at 360 North County Road G, Willows, CA 95988 to consider the matters described above.

 Written comments can be submitted to P.O. Box 1054, Willows, CA 95988 prior to the hearing.

Glide Water District

 The Glide Water District Board of Directors will hold a public hearing on June 16, 2017 at 9:00 AM at 360 North County Road G, Willows, CA 95988 to consider the matters described above.

 Written comments can be submitted to P.O. Box 1054, Willows, CA 95988 prior to the hearing.

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Princeton-Codora-Glenn Irrigation District

 The Princeton-Codora-Glenn Irrigation District Board of Directors will hold a public hearing on June 14, 2017 at 8:30 AM in the District office at 258 S. Builte St., Willows, CA 95988 to consider the matters described above.

 Written comments can be submitted to 258 S. Butte St.; Willows: CA 95988 prior to the hearing.

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Provident Irrigation District

o The Provident Irrigation District Board of Directors will hold a public hearing on June 19, 2017 at 9:00 AM in the District office at 258 S. Butte St.; Willows, CA 95988 to consider the matters described above.

O Written comments can be submitted to P.O. Box 98, Princeton, CA 95970 prior to the hearing.

• Orland-Artois Water District

 The Orland-Artois Water District Board of Directors will hold a public hearing on June 20, 2017 at 1:30 PM in the District office at 6505 County Road 27, Orland, CA 95963 to consider the matters described above.

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 Written comments can be submitted to PO. Box 218, Orland, CA 95963 or oawdemil@sbcglobal.net prior to the hearing.

County of Glenn

o The Glenn County Board of Supervisors will hold a public hearing on June 20, 2017 at 915 AM in Glenn County Board of Supervisors Chambers at 525 West Sycamore Street to consider the matters described above.

10628
JOINT EXERCISE OF POWERS AGREEMENT

ESTABLISHING THE GLENN GROUNDWATER AUTHORITY

THIS AGREEMENT is entered into and effective this <u>20th</u> day of <u>June</u>, 2017 ("Effective Date"), pursuant to the Joint Exercise of Powers Act, Cal. Government Code §§ 6500 et seq. ("JPA Act") by and among the entities listed in Exhibit A attached hereto and incorporated herein (collectively "Members").

RECITALS

- A. On August 29, 2014, the California Legislature passed comprehensive groundwater legislation contained in Senate Bill (SB) 1168, SB 1319 and Assembly Bill 1739. Collectively, those bills, as subsequently amended, enacted the "Sustainable Groundwater Management Act," or "SGMA." Governor Brown signed the legislation on September 16, 2014, and it became effective on January 1, 2015.
- B. Each of the Members overlies the Glenn County portions of the Colusa Subbasin of the Sacramento Valley Groundwater Basin, California Department of Water Resources Basin No. 5-021.52 as such boundaries may be modified from time to time in accordance with Cal. Water Code Section 10722.2.
- C. Each of the Members is authorized to become a Groundwater Sustainability Agency ("GSA") under SGMA.
- D. The Members desire, through this Agreement, to form the Glenn Groundwater Authority ("Authority"), a separate legal entity, for the purpose of acting as the GSA for the Glenn County portions of the Basin.
- E. The mission of the Authority is to provide a dynamic, cost-effective, flexible and collegial organization to ensure compliance with SGMA within the Basin.
- F. The Authority will serve a coordinating, administrative and implementing role in order to provide for sustainable groundwater management of the Basin. Each of the Members (or groups of Members) will have responsibilities to carry out the Groundwater Sustainability Plan and to coordinate with the Authority to implement SGMA within the Members' jurisdictional areas.
- G. This Agreement shall form the Authority, which shall be the GSA for purposes of carrying out SGMA in the Basin.

THEREFORE, in consideration of the mutual promises, covenants and conditions herein set forth, the Members agree as follows:

ARTICLE 1: DEFINITIONS

1.1 **Definitions.** As used in this Agreement, unless the context requires otherwise, the meaning of the terms hereinafter set forth shall be as follows:

- a. "Agreement" shall mean this Joint Exercise of Powers Agreement Establishing the Glenn Groundwater Authority.
- b. **"Alternate"** shall mean a person, designated by a Member to serve on the Authority Board and fulfill all necessary responsibilities and actions on behalf of the Member and in service of the Authority.
- c. "Authority" shall mean the Glenn Groundwater Authority established by this Agreement.
- d. "**Basin**" shall mean, for purpose of this Agreement, the Glenn County areas of the Colusa Subbasin of the Sacramento Valley Groundwater Basin, California Department of Water Resources Basin No. 5-021.52, as such boundaries may be modified from time to time in accordance with Cal. Water Code Section 10722.2. The Basin is depicted in **Exhibit B**.
- e. **"Board of Directors**" or **"Board**" shall mean the governing body formed to implement this Agreement as established herein.
- f. "**DWR**" shall mean the California Department of Water Resources.
- g. "Effective Date" shall be as set forth in the Preamble of this Agreement.
- h. "Groundwater Sustainability Agency" or "GSA" shall mean an agency enabled by SGMA to regulate defined portions of the Basin cooperatively with all other Groundwater Sustainability Agencies in the Basin, in compliance with the terms and provisions of SGMA.
- i. **"Groundwater Sustainability Plan"** or **"GSP"** shall have the definition set forth in SGMA.
- j. "GSA Boundary" shall mean those lands located within the Basin as depicted in Exhibit B.
- k. "Local Agency" shall mean a local public agency that has water supply, water management, or land use responsibilities within a groundwater basin, California Water Code Section 10721(n).

- 1. "JPA Act" shall mean the Joint Exercise of Powers Act, Cal. Government Code §§ 6500 et seq.
- m. "**Member**" shall mean a signatory to this Agreement and "Members" shall mean all of the signatories to this Agreement, collectively. Each of the Members shall be authorized to become a Groundwater Sustainability Agency under SGMA.
- n. "SGMA" shall mean the Sustainable Groundwater Management Act of 2014 and all regulations adopted under the legislation (SB 1168, SB 1319 and AB 1739) that collectively comprise the Act, as that legislation and those regulations may be amended from time to time.

ARTICLE 2: ORGANIZING PRINCIPLES

2.1 The Members intend to work together in mutual cooperation to develop and implement a GSP for the Basin in compliance with SGMA, and in coordination with the Colusa Groundwater Authority, the GSA responsible for Colusa County areas of the Colusa Subbasin, consistent with the general principles set forth in that certain unexecuted Memorandum of Agreement among the Members, attached hereto as **Exhibit C**.

2.2 Prior to June 30, 2017, any Member that has previously notified DWR of its intent to be a GSA in the Basin shall formally notify DWR of its withdrawal or rescission of such notification to allow the Authority to become the GSA for the Basin

2.3 The Members intend through this Agreement to take advantage of economies of scale to obtain the most cost-effective consulting, technical and professional services for the development and implementation of a GSP. As appropriate, the Authority shall cooperate with neighboring groundwater basins and neighboring GSAs to efficiently implement SGMA in the Basin.

2.4 The Members intend through this Agreement to form the Authority, elect for the Authority to serve as the GSA for the Glenn County portion of the Colusa Subbasin, and authorize the Authority to make any and all necessary filings with DWR for the Authority to become the GSA for the Glenn County portion of the Colusa Subbasin prior to June 30, 2017.

2.5 To the extent any Member determines in the future to become a GSA separate and apart from the Authority, such Member will coordinate with the Authority to take all actions necessary to allow such Member to become a separate GSA and to ensure that the Authority may otherwise continue consistent with the requirements of SGMA. The Authority will work cooperatively with such Member to coordinate implementation of SGMA within the Basin.

ARTICLE 3: FORMATION, PURPOSE AND POWERS

3.1 **Recitals:** The foregoing recitals are incorporated by reference.

3.2 **Certification.** Each Member certifies and declares that it is a legal entity that is authorized to be a party to a joint exercise of powers agreement and to contract with each other for the joint exercise of any common power under Article 1, Chapter 5, Division 7, Title 1 of the Government Code, commencing with section 6500 or other applicable law including but not limited to Cal. Water Code § 10720.3(c).

3.3 **Creation of the Authority.** Pursuant to the JPA Act, the Members hereby form and establish a public entity to be known as the "Glenn Groundwater Authority," a public entity separate and apart from its members.

3.4 **Election for Authority to Serve as GSA.** Upon its formation pursuant to this Agreement, the Authority shall serve as the GSA for the Glenn County portion of the Colusa Subbasin and shall make any and all necessary filings with regulatory agencies to become and serve as the GSA for the Glenn County portion of the Colusa Subbasin prior to June 30, 2017. In approving this Agreement and electing for the Authority to serve as the GSA for the Glenn County portion of the Colusa Subbasin, Members shall comply with Water Code section 10723(b), including any public notice and hearing requirements.

- 3.5 **Purposes of the Authority.** The purposes of the Authority are to:
 - a. Provide for the joint exercise of powers of the Members and powers granted pursuant to SGMA (subject to the restrictions contained in this Agreement);
 - b. Cooperatively carry out the purposes of SGMA, including the engagement of stakeholders and members of the public as required by Water Code sections 10723.2, 10723.4, and 10727.8;
 - c. Become and serve as the GSA for purposes of management of the Basin in accordance with SGMA; and
 - d. Develop, adopt and implement a legally sufficient GSP for the Basin, subject to the limitations set forth in this Agreement.

3.6 **Powers of the Authority.** To the extent authorized by the Members through the Board of Directors, and subject to the limitations set forth in this Agreement, the Authority shall have and may exercise any and all powers commonly held by the Members and any and all additional powers granted by SGMA, as set forth in Water Code Part 2.74, Chapter 5, section 10725, et seq. The powers of the Authority shall be coextensive with the authorities granted by SGMA, as it may be amended from time to time. Amendments to SGMA by the California

Legislature, and the resulting modification powers of the Authority, shall not constitute an amendment of this Agreement. SGMA authorities, as they exist on the effective date of this Agreement, are attached hereto as **Exhibit D**.

3.7 **Designation.** Pursuant to Government Code section 6509, the Members hereby designate the County of Glenn for purposes of determining restrictions upon the manner of exercising the power of the Authority.

3.8 **Powers Reserved to Members.** Each of the Members reserves the right, in its sole and absolute discretion, to:

- a. Maximize input to the Plan chapter or section of the GSP adopted by the Authority as applicable within the Member's boundaries;
- b. Subject to applicable limitations in this Agreement, implement GSP actions adopted by the Authority within the Member's boundaries;
- c. Withdraw from this Agreement and become its own GSA, to the extent authorized by SGMA, and to thereafter exercise the powers conferred to a GSA, within the Member's boundaries;
- d. Nothing set forth in this Agreement is intended to impede or abrogate the powers of any Member, including but not limited to the Member's police power and land use authority;
- e. Each Member shall be individually responsible for its own covenants, obligations, and liabilities under this Agreement. No Member shall be under the control of or shall be deemed to control any other Member. No Member shall be precluded from independently pursuing any of the activities contemplated in this Agreement. No Member shall be the agent or have the right or power to bind any other Member without such Member's express written consent, except as expressly provided in this Agreement.

3.9 **Term.** This Agreement shall be effective as of the Effective Date and shall remain in effect until terminated in accordance with Article 6.4 of this Agreement.

3.10 **Boundaries of the Authority.** The geographic boundaries of the Authority and that portion of the Basin that will be managed by the Authority pursuant to SGMA are depicted in **Exhibit B**.

3.11 **Role of Members**. Each Member agrees to undertake such additional proceedings or actions as may be necessary in order to carry out the terms and intent of this

Agreement, including actions specifically required by this Agreement. The support of each Member is important to the success of the Authority.

3.12 **Other Officers and Employees.** The Members do not anticipate that the Authority will have any employees. However, the Authority may:

- a. Provide that any employee of a Member, and subject to a written agreement between that Member and the Authority, may be in the nature of an independent contractor of the Authority, and shall perform, unless otherwise provided by the Board, the same various duties for the Authority as for his or her employer in order to carry out this Agreement;
- b. Engage one or more Members or third parties to manage any or all of the business of the Authority on terms and conditions acceptable to the Board of Directors as specified in a separate written contract. To the extent that a manager is appointed, the manager shall at all times maintain exclusive control over any employees of or contractors to the manager assigned to perform services under the manager's contract with the Authority, including, but not limited to, matters related to hiring, probationary periods, disciplinary action, termination, benefits, performance evaluations, salary determinations, promotions and demotions, and leave accruals;
- c. Employ or contract for competent registered civil engineers and other consultants to investigate and to carefully devise a plan or plans to carry out and fulfill the objects and purposes of SGMA, and complete a GSP.

ARTICLE 4: GOVERNANCE

4.1 **Board of Directors.** The business of the Authority will be conducted by a Board of Directors that is hereby established, and that shall be initially composed of and appointed as follows:

- One member of the County of Glenn Board of Supervisors, appointed by the County Board of Supervisors;
- One member of the Orland City Council, appointed by the City of Orland City Council;
- One member of the Willows City Council, appointed by the City of Willows City Council;
- One member of the Board of the Glenn Colusa Irrigation District, appointed by the Glenn Colusa Irrigation District;

- One member of the Board of the Princeton-Codora-Glenn Irrigation District or the Provident Irrigation District, said appointment to switch every two years beginning with an appointment by the Princeton-Codora-Glenn Irrigation District of one of its Board members;
- One member of the Board of the Glide Water District, appointed by the Glide Water District;
- One member of the Board of the Orland-Artois Water District, appointed by Orland-Artois Water District;
- One member of the Board of the Kanawha Water District, appointed by Kanawha Water District.
 - a. **Modifications to Board.** The composition of the Board of Directors shall be modified from time to time to reflect the withdrawal or termination of any Member or the admission of any new Member to the Authority, subject to the procedures provided herein. Admission and withdrawal of new Members, and modifications to the Board of Directors to reflect such changes, shall not constitute an amendment of this Agreement.
 - b. Alternates to Board members. The appointing authority of each Member, as set forth above, may appoint an alternate or alternates to the Board. Alternates shall be identified to the Board at the same time as Board appointments, and any modifications to a Member's alternate or alternates as soon as practicable after such modification has been made. Alternates may vote on all matters before the Authority in the absence of the appointed Board member and are expected to be consistently prepared to do so. Each alternate shall be informed of the business of the Authority and the actions to be taken when acting on behalf of a Board member. The Board may in the future adopt additional procedures for the qualification and appointment of alternate Board members, and for the voting rights of such alternates.
 - c. All members of the Authority Board of Directors and all alternates will be required to file a Statement of Economic Interests (FPPC Form 700).

4.2 **Term of Directors.** Each member of the Authority Board of Directors, and alternates to the Board member, will serve at the pleasure of its appointing authority, which shall have the authority to appoint and remove its appointees in its sole and absolute discretion. Each appointing authority shall notify the Authority in writing of its designated Board members and alternate Board members.

4.3 **Officers.** The Board of Directors shall elect a Chairperson, a Vice-Chairperson, and a Secretary, and shall appoint a Treasurer as provided in Article 5.7. All officers will be elected by a supermajority of all Directors present as defined in Article 4.7. All officers will serve a one year term extending from no earlier than July 1 of a given year and ending no later than June 30 of the following year. The Chairperson and Vice-Chairperson shall be Directors of the Board and the Secretary may, but need not be a Director of the Board. The Chairperson shall preside at all meetings of the Board and the Vice-Chairperson shall act as the chairperson in the absence of the Chairperson elected by the Board.

4.4 **Powers and Limitations.** All the powers and authority of the Authority shall be exercised by the Board, subject, however, to the rights reserved by the Members as set forth in this Agreement.

4.5 **Quorum.** A majority of the Authority Board of Directors will constitute a quorum for the purpose of conducting business, unless there is an even number of Directors on the Authority Board of Directors, in which case a quorum may be established with half the Board members.

4.6 **Voting.** Except as to actions identified in Section 4.7, the Authority Board of Directors will conduct all business by vote of a majority of the Directors present, if a quorum shall be established, and each Director shall have one (1) vote. Prior to voting, Board members shall endeavor in good faith to reach consensus on the matters to be determined such that any subsequent vote shall be to confirm the consensus of the Board. If any Board member or Member strongly objects to a consensus-based decision prior to a vote being cast, the Board shall work in good faith to reasonably resolve such strong objection, and, if the same is not resolved collaboratively, then the matter will proceed to a vote for final resolution under this Article 4.6 or Article 4.7 below, as applicable.

a. At the first Board meeting following the two-year anniversary of the Effective Date of this Agreement, the Board of Directors shall consider whether to recommend that the voting structure described in this Article 4.6 be modified in any respect. If the Board of Directors recommends such modification, the governing body of each Member shall consider the recommended modification(s) and shall report back to the Authority Board of Directors regarding the Member's position thereon.

4.7 **Supermajority Vote Requirement for Certain Actions.** The following actions will require a two-thirds (2/3) vote of the Directors present:

a. Approval of the Authority's annual budget and amendments to the annual budget, consistent with Article 5 and **Exhibits E and F**;

- b. Decisions related to the levying of taxes, assessments, regulatory fees, or other fees and charges, and any amendments thereto;
- c. Decisions concerning property acquisition and ownership;
- d. Decisions related to the expenditure or reimbursement of funds by the Authority beyond expenditures approved in the Authority's annual budget, and concerning contracts exceeding monetary thresholds determined by the Board;
- e. Issuance of bonds or other indebtedness;
- f. Adoption of rules, regulations, policies, ordinances, bylaws and procedures, and any amendments thereto;
- g. Decisions related to the establishment of the Members' funding obligations for payment of the Authority's operating and administrative costs as provided in Article 5.1 and **Exhibits E and F**, or any amendments or modifications of Members' funding obligations;
- h. Adoption of a GSP and any amendments or modifications of a GSP;
- i. Decisions related to Basin boundary adjustments;
- j. Adoption of procedures for the appointment of Officers and alternate Board members, and for the voting rights of such alternates;
- k. Involuntary removal of any Member pursuant to Article 6.2; and
- 1. Initiation or settlement of enforcement actions, claims and litigation;

4.8 **Meetings.** The Board shall provide for regular and special meetings in accordance with Chapter 9, Division 2, Title 5 of Government Code of the State of California (the "Ralph M. Brown Act" commencing at section 54950), and any subsequent amendments of those provisions.

4.9 **Rules, Regulations, By-Laws and Ordinances.** The Board may adopt rules, regulations, by-laws and ordinances to supplement this Agreement and to provide for the effective and efficient administration of the Authority. In the event of conflict between this Agreement and any rule, regulation, by-law, or ordinance, the provisions of this Agreement shall govern.

4.10 Administrator. The Members hereby designate the County of Glenn to serve as administrator of, and keeper of records for, the Authority.

ARTICLE 5: FINANCIAL PROVISIONS

5.1 **Funding; Initial Contributions and Expenses:** Upon execution of this Agreement, and for a period not to exceed the earlier of (a) two years or (b) adoption of an alternative funding plan approved by the Board, the Members agree to share the operating and administrative costs of operating the Authority in accordance with the percentages set forth in the Initial Funding and Administrative Service Agreement attached as Exhibit E hereto, which is hereby incorporated into this Agreement. Each Member will make quarterly payments of its share of the operating and administrative costs. Members shall make payments as required in the Funding Agreement within thirty (30) days of the payment accrual dates in the Funding Agreement. Each Member will be solely responsible for identifying and allocating funds for payment of the Member's share of operating and administrative costs. The obligation of each Member to make payments under the terms and provisions of this Agreement is an individual and separate obligation of the Member and not a joint obligation with those of the other Members.

- 5.2 **Funding Plan; long-term funding.** Upon the formation of the Authority, the Board of Directors shall work diligently on the development, adoption and implementation of a long-term funding plan to cover the operating and administrative costs of the Authority. The long-term funding plan shall supersede and replace the initial funding plan described in section 5.1 above, at the earliest possible date.
 - a. The long-term funding plan shall provide for offset of the Members' initial funding contributions pursuant to Section 5.1 above, as authorized by law.
 - b. If a long-term funding plan is unlikely to be adopted and implemented within two years of this Agreement, the Board shall meet and confer with the Members to determine how to fund the activities of the Authority beyond the initial two years, or to take other appropriate action including but not limited to, termination of the Authority.

5.3 Indemnification. Members, directors, officers, agents and employees of the Authority shall use ordinary care and reasonable diligence in the exercise of their powers, and in the performance of their duties pursuant to this Agreement. To the fullest extent permitted by law, the Authority shall hold harmless, defend and indemnify the Members and their officers, employees and agents, and members of the Board, from and against any liability, claims, actions, costs, damages or losses of any kind, including death or injury to any person and/or damage to property arising out of the activities of the Authority or its Board, officers, employees or agents under this Agreement. These indemnification obligations shall continue beyond the Term of this Agreement as to any acts or omissions occurring before or under this Agreement or any extension of this Agreement.

a. The Authority shall be required to obtain insurance, or join a self-insurance program in which one or more of the Members participate, appropriate for its operations. Any and all insurance coverages provided by the Authority, and/or any self-insurance programs joined by the Authority, shall name each and every Member as an additional insured for all liability arising out of or in connection with the operations by or on behalf of the named insured in the performance of this Agreement. Minimum levels of the insurance or self-insurance program shall be set by the Authority in its ordinary course of business. The Authority shall also require all of its contractors and subcontractors to have insurance appropriate for their operations.

5.4 **Repayment of Funds.** Unless the Board determines otherwise, no refund or repayment of the initial commitment of funds specified in Article 5.1 will be made to a Member ceasing to be a Member of this Agreement whether pursuant to removal by the Board of Directors or pursuant to a voluntary withdrawal. The refund or repayment of any other contribution shall be made in accordance with the terms and conditions upon which the contribution was made, the terms and conditions of this Agreement or other agreement of the Authority and withdrawing Member.

5.5 **Budget.** The Authority's fiscal year shall run from July 1 of a given year through June 30 of the following year. Each fiscal year, the Board shall adopt a budget for the Authority for the ensuing fiscal year. Within ninety (90) days of the effective date of this Agreement, the Board shall adopt a budget. Thereafter, a budget shall be adopted no later than March 1 of the preceding fiscal year.

5.6 Alternate Funding Sources. The Board may obtain State of California or federal grants.

5.7 **Depositary and Treasurer.** The Treasurer of the Authority shall be the County Treasurer, who shall be the depositary and have custody of all money of the Authority, from whatever source, subject to the applicable provisions of any indenture or resolution providing for a trustee or other fiscal agent. All funds of the Authority shall be held in separate accounts in the name of the Authority and not commingled with funds of any Member or any other person or entity. The Treasurer shall perform the duties specified in Government Code sections 6505 and 6505.5. Subject to the voting requirements in Articles 4.6 and 4.7, the Board may elect to appoint a different Treasurer, provided such appointment is subject to the requirements of Government Code sections 6505 and 6505.5.

5.8 Accounting. Full books and accounts shall be maintained for the Authority in accordance with practices established by, or consistent with, those utilized by the Controller of the State of California for like public entities. The books and records of the Authority shall be

open to inspection by the Members at all reasonable times, and by bondholders and lenders as and to the extent provided by resolution or indenture.

5.9 Audit. A qualified firm, serving in the capacity of auditor, shall audit the records and the accounts of the Authority annually in accordance with the provisions of Government Code section 6505. Copies of such audit reports shall be filed with the State Controller and each Member within six months of the end of the Fiscal Year under examination.

5.10 **Expenditures.** All expenditures within the designations and limitations of the applicable approved budget shall be made upon the approval of any officer so authorized by the Board. The Treasurer shall draw checks or warrants or make payments by other means for claims or disbursements not within an applicable budget only upon the approval and written order of the Board. The Board shall requisition the payment of funds only upon approval of claims or disbursements and requisition for payment in accordance with policies and procedures adopted by the Board.

5.11 **Members Limited Liability.** As provided by Government Code Section 6508.1, the debts, liabilities, and obligations of the Authority shall be the debts, liabilities, and obligations of the Authority only, and not of the constituent Members of the Authority.

ARTICLE 6: CHANGES TO MEMBERSHIP, WITHDRAWAL AND TERMINATION

6.1 Addition to Membership. Any local agency within the Basin that is qualified to be a GSA pursuant to Water Code section 10723, and which was not a Member of the Authority at the time of its effective date, is eligible to become a Member of the Authority subject to the requirements in this Article 6.1. Such local agency must notify the Authority in writing of its intent to become a Member, and the Authority shall confirm the local agency's membership in writing within sixty (60) days, provided the local agency's notice of intent includes all of the following verifications:

- a. The local agency is qualified to be a GSA under the applicable requirements of Water Code section 10723.
- b. The local agency agrees to become a Member of and signatory to this Agreement, and subject to all requirements, rights and obligations of this Agreement.
- c. The local agency agrees to contribute a proportionate share of the costs of to the Authority, as reasonably determined by the Board of the Authority. Such costs may include, at the discretion of the Board, reasonable reimbursement for costs incurred in the formation and early implementation of the Authority pursuant to Article 5.1 and the Funding Agreement.

The Board's written confirmation of the new membership will serve as an addendum to this Agreement, and to **Exhibit A**, and shall ratify the admission of the new Member to the Authority. Such addendum does not constitute an Amendment of this Agreement, nor does it require separate approval of this Agreement by the Members. Upon written confirmation by the Board of the new membership, such new Member may appoint a Board member and alternates as provided in Article 4.1, and shall be entitled to participate in the Authority as provided herein.

6.2 Noncompliance; Involuntary Removal. In the event any Member (1) fails to comply with the terms of this Agreement, or (2) undertakes actions that conflict with or undermine the functioning of the Authority or the preparation or implementation of the GSP. such Member shall be subject to the provisions for involuntary removal of a Member set forth in this Article 6.2. Such actions may include, for example and without limitation, failure to pay its agreed upon contributions when due; refusal to participate in GSA activities or to provide required monitoring of sustainability indicators; refusal to implement measures as may be required of the Member by the GSP, or which the Member has authority to impose on landowners and pumpers within the Member's jurisdiction. Involuntary removal may only be exercised by the Board after participating in a meet and confer process regarding the proposed involuntary removal and otherwise pursuing other reasonable efforts to resolve the Member's non-compliance, including third party neutral dispute resolution processes if appropriate as provided in Article 8.6. In the event of the involuntary removal of a Member the removed Member shall remain fully responsible for its proportionate share of all liabilities incurred by the Authority prior to the effective date of the removal.

6.3 Withdrawal of Members. A Member may, in its sole discretion, unilaterally withdraw from the Authority, effective one hundred and twenty (120) days after receipt of written notice to the Authority, provided that the withdrawing Member will remain responsible for its proportionate share of any obligation or liability duly incurred by the Authority up until the effective date of the Member's withdrawal; except that, a withdrawing Member will not be responsible for any obligation or liability that the Member has voted against or has voiced its disapproval on at a Board meeting, provided the Member provides written notice of its withdrawal from the Authority within three days of the Board action. In the event the withdrawing Member has any rights in any property or has incurred obligations, except in accordance with a written agreement executed by it and the Authority. The Authority may not sell, lease, transfer or use any rights of a Member who has withdrawn without first obtaining the written consent of the withdrawing Member.

6.4 **Termination.** This Agreement may be terminated and the Authority dissolved by a unanimous vote of the Board. However in the event of termination each of the Members will remain responsible for its proportionate share of any obligation or liability duly incurred by the Authority, in accordance with Article 5. Nothing in this Article will prevent a Member from

withdrawing from this Agreement and the Authority as provided for in this Agreement, or from entering into other joint exercise of power agreements.

6.5 **Disposition of Property Upon Termination.** Upon termination of this Agreement, the assets of the Authority shall be transferred to the Authority's successor, provided that a public entity will succeed the Authority, or in the event that there is no successor public entity, to the Members in proportion to the contributions made by each Member. If the successor public entity will not assume all of the Authority's assets, the Board shall distribute the Authority's assets between the successor entity and the Members in proportion to any obligation required by Article 5.

6.6 **Rights of Member to Become GSA in Event of Withdrawal or Removal.** Upon withdrawal or involuntary removal of a Member, or termination of this Agreement pursuant to Article 6.4, whether occurring before or after June 30, 2017, the withdrawing or removed Member will retain all rights and powers to become or otherwise participate in a GSA for the lands within its boundaries. In such event the Authority and its remaining Members (i) shall not object to or interfere with the lands in the withdrawing or removed Member or otherwise, (ii) shall facilitate such transition to the extent reasonably necessary, and (iii) shall withdraw from managing that portion of the Basin within the boundaries of the withdrawing or removing Member and so notify the DWR.

6.7 Use of Data. Upon withdrawal, any Member shall be entitled to use any data or other information developed by the Authority during its time as a Member. Further, should a Member withdraw from the Authority after adoption of the GSP by the Authority, it shall be entitled to utilize the GSP for implementation of SGMA within its boundaries.

ARTICLE 7: PROJECTS AND MANAGEMENT ACTIONS

7.1 **Special Project Agreements.** Members may enter into special project agreements amongst themselves and with the Authority to achieve any of the purposes or activities authorized by this Agreement, and to share in the expenses and costs of such special project, for example, to share in funding infrastructure improvements within the boundaries of particular Members. Special project agreements must be in writing and documentation must be provided to each of the Members to this Agreement. No special project agreement undertaken pursuant to this Section 7.1 shall conflict with the terms of this Agreement or the GSP.

7.2 **Special Project Expenses.** Members that enter into special project agreements agree that any special project expenses incurred for each such special project are the costs of the special project participants, respectively, and not of the Authority or any other Members to this Agreement not participating in the special project. Special project expenses shall be paid by the parties to the respective special project agreements.

7.3 Indemnification of Other Members; Special Projects. Members participating in special project agreements, if the Authority is a party to such agreement, shall hold each of the other Members who are not parties to the special project agreement free and harmless from and indemnify each of them against any and all costs, losses, damages, claims and liabilities arising from the special project agreement. The indemnification obligation of Members participating in special project agreements shall be the same as specified in Article 5.3 for Members in general, except that they shall be limited to liabilities incurred for the special project.

7.4 **Identified Management Actions.** In the development of this Agreement certain Members have identified particular activities and strategies that should be considered by the Authority as it develops the GSP. Without predetermining how these activities and strategies will be considered and implemented, the Members hereby direct the Authority to consider the following in the development of the GSP, without limitation:

- a. Formation of management areas or other tools to address unique or particular circumstances in the Basin;
- b. Development of water budgets and other accounting practices to facilitate sustainable groundwater management;
- c. Utilization of groundwater banking concepts to maximize the use of the Basin for the benefit of the Members and residents in the Basin, consistent with SGMA's goals and objectives.

ARTICLE 8: MISCELLANEOUS PROVISIONS

8.1 **Amendments.** This Agreement may be amended from time to time by a two thirds (2/3) vote of the Members; except that a unanimous vote of the Members shall be required for amendments to provisions of this Agreement regarding withdrawal of Members, including but not limited to withdrawals pursuant to Article 6.3. Except as otherwise provided herein, the Authority may not amend the terms of this Agreement.

8.2 **Binding on Successors.** Except as otherwise provided in this Agreement, the rights and duties of the Members may not be assigned or delegated without a unanimous vote by the Members. Any approved assignment or delegation shall be consistent with the terms of any contracts, resolutions, indemnities and other obligations of the Authority then in effect. This Agreement shall inure to the benefit of, and be binding upon, the successors and assigns of the Members hereto.

8.3 **Notice.** Any notice or instrument required to be given or delivered under this Agreement may be made by: (a) depositing the same in any United States Post Office, postage prepaid, and shall be deemed to have been received at the expiration of 72 hours after its deposit in the United States Post Office; (b) transmission by facsimile copy to the addressee; (c)

transmission by electronic mail; or (d) personal delivery, delivered to the address or facsimile numbers of the Members listed in **Exhibit A**.

8.4 **Counterparts.** This Agreement may be executed by the Members in separate counterparts, each of which when so executed and delivered shall be an original. All such counterparts shall together constitute but one and the same instrument.

8.5 **Choice of Law.** This Agreement shall be governed by the laws of the State of California.

8.6 **Dispute Resolution.** The Board of the Authority shall develop rules and policies for third party neutral dispute resolution to resolve disputes that may arise under this Agreement.

8.7 **Severability.** If one or more clauses, sentences, paragraphs or provisions of this Agreement are held to be unlawful, invalid or unenforceable, it is hereby agreed by the Members that the remainder of the Agreement shall not be affected thereby. Such clauses, sentences, paragraphs or provisions shall be deemed reformed so as to be lawful, valid and enforced to the maximum extent possible.

8.8 **Headings.** The paragraph headings used in this Agreement are intended for convenience only and shall not be used in interpreting this Agreement or in determining any of the rights or obligations of the Members to this Agreement.

8.9 **Construction and Interpretation.** This Agreement has been arrived at through negotiation, and each Member has had a full and fair opportunity to revise the terms of this Agreement. As a result, the normal rule of construction that any ambiguities are to be resolved against the drafting Member shall not apply in the construction or interpretation of this Agreement.

8.10 **Entire Agreement.** This Agreement constitutes the entire agreement among the Members and supersedes all prior agreements and understandings, written or oral.

IN WITNESS WHEREOF, the Members have executed this Agreement on the day and year first above-written.

South Comm

Ву___

County of Glenn

By _____ City of Willows

District

By ____

Glenn-Colusa Irrigation District

By___

Provident Irrigation District

By___

Glide Water District

By__

Kanawha Water District

By___

Orland-Artois Water District

Approved as to Form: ALICIA EKLAND

County Counsel

City of Orland

By _____ Princeton-Codora-Glenn Irrigation

Ву	County of Glenn	Ву	City of Orland
By	City of Willows	Ву	Glenn-Colusa Irrigation District
Ву	Princeton-Codora-Glenn Irrigation District	Ву	Provident Irrigation District
Ву	Glide Water District	Ву	Kanawha Water District
Ву	Orland-Artois Water District	Ву	Artois Community Service District

IN WITNESS WHEREOF, the Members have executed this Agreement on the day and year first above-written.

Bv		D.	P.t. Cours
Бу_	County of Glenn	Dy_	City of Oyland
By_		By_	
	City of Willows		Glenn-Colusa Irrigation District
By_		By	
	Princeton-Codora-Glenn Irrigation District		Provident Irrigation District
By _		By _	
	Glide Water District		Kanawha Water District
By_	~	By	
	Orland-Artois Water District		

IN WITNESS WHEREOF, the Members have executed this Agreement on the day and year first above-written.

By_	County of Glenn	Ву	City of Orland
By_	City of Willows	Ву	Glenn-Colusa Irrigation District
By_	Princeton-Codora-Glenn Irrigation District	Ву	Provident Irrigation District
By _	Dm Purio Glide Water District	Ву	Kanawha Water District
By _	Orland-Artois Water District	Ву	Artois Community Service District

IN WITNESS WHEREOF, the Members have executed this Agreement on the day and year first above-written.

Ву	County of Glenn	Ву	City of Orland
Ву	City of Willows	Ву	Glenn-Colusa Irrigation District
Ву	Princeton-Codora-Glenn Irrigation District	Ву	Provident Irrigation District
Ву	Glide Water District	By	Kanawha Water District
Ву	Orland-Artois Water District	Ву	Artois Community Service District

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IN WITNESS WHEREOF, the Members have executed this Agreement on the day and year first above-written.

By_		By_	
	County of Glenn		City of Orland
By_	City of Willows	By_	Glenn-Colusa Irrigation District
By_	Princeton-Codora-Glenn Irrigation District	Ву	Provident Irrigation District
By_	Glide Water District	By	Kanawha Water District
By	Orland-Artois Water District	By	Artois Community Service District

EXHIBIT A

EXHIBIT A

MEMBER ENTITIES ESTABLISHING THE GLENN GROUNDWATER AUTHORITY

- County of Glenn
- City of Orland
- City of Willows
- Glenn Colusa Irrigation District
- Princeton-Codora-Glenn Irrigation District
- Provident Irrigation District
- Glide Water District
- Kanawha Water District
- Orland-Artois Water District

EXHIBIT B

BASIN MAP TO BE INSERTED

EXHIBIT C

Memorandum of Agreement Defining Colusa Subbasin Groundwater Sustainability Interests

This Memorandum of Agreement (MOA) is made and entered into by and among the County of Glenn, the City of Orland, Glenn Colusa Irrigation District, Princeton-Codora-Glenn Irrigation District, Provident Irrigation District, Glide Water District, Kanawha Water District, Orland-Artois Water District, and City of Willows which are referred to herein individually as a "Party" and collectively as "Parties," for the purposes of developing a joint exercise of powers agreement and joint powers agency to serve as the Groundwater Sustainability Agency in the Glenn County portion of the Colusa Subbasin in support of Senate Bills 1168, 1319 and 13, and Assembly Bill 1739, known collectively as the Sustainable Groundwater Management Act (the Act). This MOA shall hereinafter be known as the Glenn Groundwater Authority MOA.

Recitals

WHEREAS, on September 16, 2014 Governor Jerry Brown signed the Act into law; and

WHEREAS, the Act went into effect on January 1, 2015; and

WHEREAS, the Act was amended on January 1, 2016; and

WHEREAS, the Act requires, among other things, sustainable management of groundwater basins, local management of groundwater, minimum standards for sustainable groundwater management, and provides local agencies with the authority and the technical and financial assistance necessary to sustainably manage groundwater; and

WHEREAS, section 10720.7 of the Act requires that all basins designated as high-ormedium priority basins designated in Department of Water Resources Bulletin 118 be managed under a Groundwater Sustainability Plan, or coordinated Groundwater Sustainability Plans, pursuant to the Act; and

WHEREAS, the Colusa Subbasin is located within the Sacramento Valley Basin and is designated as a medium priority basin; and

WHEREAS, a local agency is defined in Section 10721 of the Act as a local public agency having water supply, water management, or land use responsibilities within a groundwater basin and any such agency is eligible to become a Groundwater Sustainability Agency (GSA); and

WHEREAS, each of the Parties to this MOA is a local agency within or partially within the County of Glenn and the Colusa Subbasin; and

WHEREAS, several of the Parties have filed notices that they will act as a GSA for some portion of the Subbasin within Glenn County.

WHEREAS, there are groundwater extractors in the Colusa Subbasin, including private individuals and corporations, which are outside of the boundaries of local agencies signatory to this MOA, other than the County ("Unaffiliated Extractors"); and

WHEREAS, Unaffiliated Extractors in the Colusa Subbasin include federal agencies; and

WHEREAS, the water laws of the State of California recognize the priority of overlying groundwater rights relative to appropriative groundwater rights, and further recognize the correlative nature of overlying groundwater rights (that is, properties overlying a groundwater basin share an equal right and priority to the reasonable and beneficial use of the sustainable yield of the groundwater basin); and

WHEREAS, the Parties acting through this MOA intend to maintain an open line of communication and to work cooperatively with federal agencies during SGMA planning and implementation; and

WHEREAS, the Parties, acting through this MOA intend to work cooperatively with other local agencies and Unaffiliated Extractors in the Colusa Subbasin to manage the Subbasin in a sustainable manner pursuant to the requirements set forth in the Act; and

WHEREAS, the Parties intend to execute a Joint Exercise of Powers Agreement pursuant to the Joint Exercise of Powers Act, Government Code Section 6500, et seq., for the purpose of forming a single GSA to manage the Colusa Subbasin within Glenn County consistent with the Act and pursuant to the principles in this MOA; and

WHEREAS upon future request and notification, the Parties will add other local public agencies as signatories to the intended joint powers agreement and members of the GSA;

NOW, THEREFORE, the Parties hereby agree as follows.

Section 1. Definitions

As used in this MOA, unless context requires otherwise, the meanings of the terms set forth below shall be as follows:

- 1. "Act" refers to the Sustainable Groundwater Management Act.
- 2. "Agency" means the Glenn County Groundwater Sustainability Agency, formed pursuant to the Agreement.
- 3. "Agreement" means the Joint Exercise of Powers Agreement, as authorized by Government Code section 6500, et seq., contemplated in this MOA, which will establish the Agency for purposes of developing and implementing the Plan contemplated herein.
- 4. "Beneficial Uses and Users" include, without limitation, all current and future potential beneficial uses and users of groundwater in the Colusa Subbasin, as well as other parties responsible for implementing and carrying out the Plan.
- 5. "Committee" shall mean any committee established pursuant to this MOA.
- 6. "County" shall mean the County of Glenn in its role as a local public agency (as defined in the Act) and as a governing jurisdiction.
- 7. "Department" means the California Department of Water Resources.
- 8. "Effective Date" means the date on which the last Party executes this MOA.
- 9. "Fiscal Year" means July 1 through June 30.
- 10. "Governing Board" means the governing body of the Agency.

- 11. "Member's Governing Body" means the respective Board of Directors or other voting body that controls each individual local public agency that is signatory to this MOA.
- 12. "Party" and "Parties" shall mean all organizations, individuals and collectives that are signatories to this MOA.
- 13. "Plan" refers to the Groundwater Sustainability Plan adopted by the Agency in coordination with the [Stakeholders/Beneficial Interests] pursuant to the Agreement.
- 14. "State" means the State of California.
- 15. "Subbasin" or "Colusa Subbasin" means the Colusa Subbasin as defined in State of California Bulletin 118.

Section 2. Purpose

2.1 The purpose of this MOA is to describe general and specific principles that reflect mutual understanding of the Parties concerning commitments and obligations associated with implementing the Act in the Glenn County portion of the Colusa Subbasin to lead to the creation of a multi-party joint powers agency that will serve as the Agency.

2.2 This MOA also describes the Parties' understanding of the Agency's initial tasks and associated potential costs to implement the Act (as described in Section 6).

Section 3. Term

3.1 This MOA shall become effective upon execution by each of the Parties of the JPA and shall continue in full force and effect.

Section 4. General Principles of Understanding

This Section 4 reflects the mutual general goals, objectives and understandings of the Parties to this MOA with respect to development of the Agreement.

4.1 A partnered approach should be fostered for sustainable groundwater management in the Colusa Subbasin that, among other things:

4.1.1 Supports the Act

4.1.2 Achieves sustainable conditions in the Subbasin

4.1.3 Reflects mutual respect for each Party's discretion, governmental authority,

expertise, knowledge of groundwater conditions, rights, needs and concerns

4.1.4 Ensures appropriate representation of all Beneficial Uses and Users.

4.2 Local control of groundwater and compliance with the Act should be preserved to the maximum extent practicable, and State intervention to implement the Act should be avoided to the extent possible.

4.3 Implementation of the Act may be expensive and all Beneficial Uses and Users will need to contribute to implementation. Failure to implement the Act locally could result in State intervention and even greater costs and regulation through State Water Board supervision and implementation of mandatory fees.

4.4 A local, collaborative approach to groundwater management and implementation of the Act is in the best interest of Beneficial Uses and Users within the Agency boundaries. This approach will maximize efficiencies, keep costs at a minimum and capitalize on skills and strengths of various partners provided that such proposed partnership also creates and maintains collegial relationships and flexible implementation of the Act.

4.5 As authorized by Section 10723.6 (a) of the Water Code, the Parties intend to form and participate in a single multi-agency GSA covering the portions of the Subbasin that lie within the County. To this end, the Parties intend to execute an Agreement and form the Agency not later than June 30, 2017, and the Agreement will include procedures for other local agencies within the Colusa Subbasin to be added to the Agreement and the Agency at a later date.

4.6 Local agencies within the Colusa Subbasin that are Parties to this MOA, and which have previously filed with the Department notices to become GSA's for their respective service areas, will concurrently, and upon execution of the Agreement formally withdraw said notices, not later than June 30, 2017, and will comply with and carry out the Act through the Agency in cooperation with Beneficial Uses and Users. If the Agreement is not executed and the Agency is not formed by June 30, 2017, the local agencies will comply with and carry out the Act in cooperation with Beneficial Uses and Users through this MOA until one of the events in Section 3.1 occurs.

4.7 Pursuant to the Act, all Beneficial Uses and Users of groundwater will be subject to the Agreement and Plan, and the Parties intend that all Beneficial Uses and Users will cooperate with the Agency and abide by the guidelines put forth in the Agency's Plan for the Subbasin.

4.8 Being a Party to this MOA is not a condition to participate in Plan development. All Beneficial Uses and Users have an equal opportunity, either directly or through appropriate representation on the governing board of the Agency, to participate in Plan development.

4.9 No Party's land or property use, or any other authority, is limited by this MOA.

4.10 Sustainable groundwater conditions in the Colusa Subbasin are critical to support, preserve, and enhance the economic viability, social well-being and culture of all Beneficial Uses and Users, including domestic, municipal, agricultural, and industrial users.

4.11 Unsustainable groundwater practices threaten the groundwater resources of all groundwater users in the Colusa Subbasin.

4.12 Aquifers within the basin can be threatened by unsustainable management of groundwater resources.

4.13 Economic prosperity and healthy natural resources in the County can be threatened by the lack of available groundwater and surface water resources, and such threats should be avoided to the maximum extent practical.

4.14 All Beneficial Uses and Users should have an open, transparent and timely opportunity to engage with the Agency and to provide input on Plan development and implementation of the Act. Extensive outreach is a priority of all Parties to this MOA, to inform Beneficial Uses and Users about implementation and potential effects of the Act, and to ensure Beneficial Uses and Users are involved in the process where practical.

4.15 Implementation and enforcement of the Plan should take place at the most local level possible and should allow each Party maximum input to any Plan chapter or section applicable to the Party and the Beneficial Uses and Users that exist or will exist in a Party's service area or jurisdiction. The Plan should reflect the Party's authority and desire to manage the water resources available to its constituents or customers, provided such management is consistent with sustainability requirements of the Act and Plan.

4.16 Overlying landowners in the Colusa Subbasin have a right to share in the sustainable yield of the Subbasin for reasonable and beneficial use on overlying land.

4.17 Act implementation is new for all County Beneficial Uses and Users, and there are many unknowns. Willingness by Parties and Beneficial Users to adapt and adjust during Agency formation and Plan development and implementation is crucial to success.

4.18 Achieving and maintaining groundwater sustainability for the good of all groundwater Beneficial Uses and Users in the County are the Agency's first priority and main focus, especially in the early stages of Act implementation while all Beneficial Uses and Users work together to alleviate any existing fear and distrust.

4.19 The Parties understand and agree that this MOA and a Party's execution of the Agreement and participation in the Agency are subject to multi-party agreements being executed in other portions of the Colusa Subbasin outside of Glenn County for purposes of compliance with the Act. If similar multi-party agreements are not executed in other portions of the Colusa Subbasin outside of Glenn County, then a Party whose jurisdiction extends to portions of the Colusa Subbasin outside of Glenn County may withdraw from this MOA or the Agreement, and proceed independently under the Act.

Section 5. Specific Principles of Understanding

This Paragraph 5 reflects the Parties' mutual specific goals, objectives and understanding concerning development of the Agreement and the Agency, and future implementation of the Act.

5.1 Governance and Implementation of the Act

5.1.1 Pursuant to Water Code section 10724, and for purposes of making appointments to the governing board of the Agency, the County will represent the common and unique interests of groundwater extractors located in the areas of the Subbasin that are not within the jurisdictional boundary of local agencies that are a Party to the Agreement, other than the County.

5.1.2 The Agency will implement the Act in a manner that optimizes the Act's goals to achieve sustainable groundwater conditions which support the vital agricultural economy in the County, other industry, and domestic and public water uses.

5.1.3 The governing board of the Agency will, consistent with state law regarding joint powers authorities, reflect diverse representation of Beneficial Uses and Users within the Colusa Subbasin and will include representatives of Parties to the Agreement. The representation of mutual water companies and private water corporations regulated by the California Public Utilities Commission and other private pumpers may be further developed in the Agreement.

5.1.4 The Agency will pursue financial and infrastructure solutions and beneficial partnerships with Parties and other entities to provide sustainable water supplies within the Colusa Subbasin.

5.1.5 Local agencies that are signatories to the Agreement will reserve the right to withdraw from the Agreement and Agency if the local agency determines it is no longer in the Party's best interests to remain in the Agency. Any local agency that is formed after the date of the Agreement will have the right to become a Party to the Agreement and participate in the governance of the Agency.

5.1.6 Governance and implementation under the Agreement will be designed to avoid duplicative or conflicting governmental authorities to the maximum extent possible. Each Party will have maximum input regarding provisions of the Plan affecting groundwater within its own service area boundaries. Each Party retains and preserves powers and authority to regulate groundwater use within its service area boundaries (including well permit approval / disapproval) so long as its actions are consistent with achieving sustainability consistent with the Groundwater Sustainability Plan (GSP).

5.1.7 Parties mutually recognize the potential benefit to develop Management Areas (as allowed for and defined within California Code of Regulations, Title 23, Division 2, Chapter 1.5, Subchapter 2)

5.1.8 As parties implement the Act within their respective boundaries, they will coordinate efforts with any adjacent areas within and outside of the Subbasin consistent with the Act.

5.1.9 Among other functions, the Agency will work with local agencies and other Beneficial Uses and Users to coordinate and facilitate intra-basin water transfers as appropriate and to avoid one or more of the five applicable undesirable results defined by the Act:

- 1. Chronic lowering of groundwater levels
- 2. A reduction in groundwater storage
- 3. Degradation in water quality
- 4. Land subsidence

- 5. Surface water depletion and associated impacts on groundwater dependent ecosystems
- 6. Sea water intrusion (not applicable)

5.2 Sustainability

5.2.1 Data collection and groundwater studies are essential to increase knowledge and to support groundwater management decisions. Funding and implementing such studies is a priority and a shared responsibility among all Parties and other Beneficial Uses and Users. The specifics of such sharing will be an element of, and further clarified in, the Agreement.

5.2.2 Groundwater conditions throughout the County and Subbasin are not uniform. Conditions vary by location, surface water conditions, precipitation and water year type. While all Beneficial Uses and Users will share the obligation to achieve sustainability, solutions will need to reflect these geographic and hydrogeologic differences (potentially through future development of Management Areas).

5.2.3 The Parties recognize the potential benefits of utilizing surface water to its full extent as available and feasible, and conserving groundwater for use during dry periods when surface water is not readily available or affordable, and will consider these potential benefits in the Plan development.

5.2.4 The Parties agree that the Plan should recognize the interconnectedness of groundwater and surface water resources.

5.2.5 The Agency recognizes that groundwater recharge occurs through many different means. Applied surface water, precipitation, porous supply and drain ditches, and Best Management Practices utilized by beneficial users contribute to the basins recharge. Studies will quantify the availability of such recharge and provisions will be included in the GSP to ensure that future groundwater extractions are consistent with quantified recharge and the sustainable yield of the Colusa Subbasin.

5.2.6 The Parties agree that the Plan should encourage all Beneficial Uses and Users, whether using surface water or groundwater in the basin, to maximize the beneficial use water consistent with their respective rights, and provide for mitigation of adverse impacts on waterways, creeks, streams and rivers.

5.2.7 The Parties agree that the Plan should encourage Agency board members to act on behalf of and represent all landowners within their service areas to ensure collective compliance with the Act.

5.2.8 The Parties agree that the Plan should encourage surface water users to use surface water and groundwater for in-basin transfers to meet local demands. Fallowing transfers will also occur both in and outside of the Subbasin, with transfer quantities based on avoided consumptive use.

5.2.9 The Parties acknowledge that the State Water Resources Control Board may propose new flow requirements for the Sacramento River Basin and the Bay-Delta watershed that would severely impact water supply availability to the basin. Surface water dedications may be necessary to address any new flow requirements or to mitigate impacts during drought periods. Such dedications may include increased reliance on groundwater by surface water users, and the Parties agree that the Plan should encourage Agency members to coordinate and partner on actions that attempt to balance environmental solutions with groundwater sustainability consistent with the Act.

5.3 Agency Financing and Support

5.3.1 The Parties agree that the Agreement and Plan should include provisions for Party contributions of capital and operating funds, personnel, services, equipment or property to cover the Agency and Plan development.

5.3.2 The Parties agree that the Agreement and Plan should encourage and recognize that there will be costs for the development, implementation and administration of the Plan, the Parties must agree on governance that maximizes the potential for State funding, and to allocate the local share of these costs by one or more mutually agreeable and equitable formulas (to be determined). Parties agree to strive to minimize costs, as far as feasible, to Beneficial Users.

5.4 Flexibility of the Agency

5.4.1 The Parties agree that the Agreement and Plan should encourage maximum flexibility to adapt to changes in Agency membership, funding, planning oversight, et cetera, as the Parties build their relationships and mutual trust.

EXHIBIT D
Water Code - WAT

DIVISION 6. CONSERVATION, DEVELOPMENT, AND UTILIZATION OF STATE WATER RESOURCES [10000 - 12999]

(Heading of Division 6 amended by Stats. 1957, Ch. 1932.)

PART 2.74. Sustainable Groundwater Management [10720 - 10737.8]

(Part 2.74 added by Stats. 2014, Ch. 346, Sec. 3.)

CHAPTER 5. Powers and Authorities [10725 - 10726.9]

(Chapter 5 added by Stats. 2014, Ch. 346, Sec. 3.)

<u>10725.</u>

(a) A groundwater sustainability agency may exercise any of the powers described in this chapter in implementing this part, in addition to, and not as a limitation on, any existing authority, if the groundwater sustainability agency adopts and submits to the department a groundwater sustainability plan or prescribed alternative documentation in accordance with Section 10733.6.

(b) A groundwater sustainability agency has and may use the powers in this chapter to provide the maximum degree of local control and flexibility consistent with the sustainability goals of this part.

(Added by Stats. 2014, Ch. 346, Sec. 3. Effective January 1, 2015.)

<u>10725.2.</u>

(a) A groundwater sustainability agency may perform any act necessary or proper to carry out the purposes of this part.

(b) A groundwater sustainability agency may adopt rules, regulations, ordinances, and resolutions for the purpose of this part, in compliance with any procedural requirements applicable to the adoption of a rule, regulation, ordinance, or resolution by the groundwater sustainability agency.

(c) In addition to any other applicable procedural requirements, the groundwater sustainability agency shall provide notice of the proposed adoption of the groundwater sustainability plan on its Internet Web site and provide for electronic notice to any person who requests electronic notification.

(Added by Stats. 2014, Ch. 346, Sec. 3. Effective January 1, 2015.)

10725.4.

(a) A groundwater sustainability agency may conduct an investigation for the purposes of this part, including, but not limited to, investigations for the following:

(1) To determine the need for groundwater management.

(2) To prepare and adopt a groundwater sustainability plan and implementing rules and regulations.

(3) To propose and update fees.

(4) To monitor compliance and enforcement.

(b) An investigation may include surface waters and surface water rights as well as groundwater and groundwater rights.

(c) In connection with an investigation, a groundwater sustainability agency may inspect the property or facilities of a person or entity to ascertain whether the purposes of this part are being met and compliance with this part. The local agency may conduct an inspection pursuant to this section upon obtaining any necessary consent or obtaining an inspection warrant pursuant to the procedure set forth in Title 13 (commencing with Section 1822.50) of Part 3 of the Code of Civil Procedure.

(Added by Stats. 2014, Ch. 346, Sec. 3. Effective January 1, 2015.)

<u>10725.6.</u>

A groundwater sustainability agency may require registration of a groundwater extraction facility within the management area of the groundwater sustainability agency.

(Added by Stats. 2014, Ch. 346, Sec. 3. Effective January 1, 2015.)

10725.8.

(a) A groundwater sustainability agency may require through its groundwater sustainability plan that the use of every groundwater extraction facility within the management area of the groundwater sustainability agency be measured by a water-measuring device satisfactory to the groundwater sustainability agency.

(b) All costs associated with the purchase and installation of the water-measuring device shall be borne by the owner or operator of each groundwater extraction facility. The water-measuring devices shall be installed by the groundwater sustainability agency or, at the groundwater sustainability agency's option, by the owner or operator of the groundwater extraction facility.

Water-measuring devices shall be calibrated on a reasonable schedule as may be determined by the groundwater sustainability agency.

(c) A groundwater sustainability agency may require, through its groundwater sustainability plan, that the owner or operator of a groundwater extraction facility within the groundwater sustainability agency file an annual statement with the groundwater sustainability agency setting forth the total extraction in acre-feet of groundwater from the facility during the previous water year.

(d) In addition to the measurement of groundwater extractions pursuant to subdivision (a), a groundwater sustainability agency may use any other reasonable method to determine groundwater extraction.

(e) This section does not apply to de minimis extractors.

(Amended by Stats. 2015, Ch. 303, Sec. 551. Effective January 1, 2016.)

<u>10726.</u>

An entity within the area of a groundwater sustainability plan shall report the diversion of surface water to underground storage to the groundwater sustainability agency for the relevant portion of the basin.

(Added by Stats. 2014, Ch. 346, Sec. 3. Effective January 1, 2015.)

10726.2.

A groundwater sustainability agency may do the following:

(a) Acquire by grant, purchase, lease, gift, devise, contract, construction, or otherwise, and hold, use, enjoy, sell, let, and dispose of, real and personal property of every kind, including lands, water rights, structures, buildings, rights-of-way, easements, and privileges, and construct, maintain, alter, and operate any and all works or improvements, within or outside the agency, necessary or proper to carry out any of the purposes of this part.

(b) Appropriate and acquire surface water or groundwater and surface water or groundwater rights, import surface water or groundwater into the agency, and conserve and store within or outside the agency that water for any purpose necessary or proper to carry out the provisions of this part, including, but not limited to, the spreading, storing, retaining, or percolating into the soil of the waters for subsequent use or in a manner consistent with the provisions of Section 10727.2. As part of this authority, the agency shall not alter another person's or agency's existing groundwater conjunctive use or storage program except upon a finding that the conjunctive use or storage program interferes with implementation of the agency's groundwater sustainability plan.

(c) Provide for a program of voluntary fallowing of agricultural lands or validate an existing program.

(d) Perform any acts necessary or proper to enable the agency to purchase, transfer, deliver, or exchange water or water rights of any type with any person that may be necessary or proper to carry out any of the purposes of this part, including, but not limited to, providing surface water in exchange for a groundwater extractor's agreement to reduce or cease groundwater extractions. The agency shall not deliver retail water supplies within the service area of a public water system without either the consent of that system or authority under the agency's existing authorities.

(e) Transport, reclaim, purify, desalinate, treat, or otherwise manage and control polluted water, wastewater, or other waters for subsequent use in a manner that is necessary or proper to carry out the purposes of this part.

(f) Commence, maintain, intervene in, defend, compromise, and assume the cost and expenses of any and all actions and proceedings.

(Added by Stats. 2014, Ch. 346, Sec. 3. Effective January 1, 2015.)

<u>10726.4.</u>

(a) A groundwater sustainability agency shall have the following additional authority and may regulate groundwater extraction using that authority:

(1) To impose spacing requirements on new groundwater well construction to minimize well interference and impose reasonable operating regulations on existing groundwater wells to minimize well interference, including requiring extractors to operate on a rotation basis.

(2) To control groundwater extractions by regulating, limiting, or suspending extractions from individual groundwater wells or extractions from groundwater wells in the aggregate, construction of new groundwater wells, enlargement of existing groundwater wells, or reactivation of abandoned groundwater wells, or otherwise establishing groundwater extraction allocations. Those actions shall be consistent with the applicable elements of the city or county general plan, unless there is insufficient sustainable yield in the basin to serve a land use designated in the city or county general plan. A limitation on extractions by a groundwater sustainability agency shall not be construed to be a final determination of rights to extract groundwater from the basin or any portion of the basin.

(3) To authorize temporary and permanent transfers of groundwater extraction allocations within the agency's boundaries, if the total quantity of groundwater extracted in any water year is consistent with the provisions of the groundwater sustainability plan. The transfer is subject to applicable city and county ordinances.

(4) To establish accounting rules to allow unused groundwater extraction allocations issued by the agency to be carried over from one year to another and voluntarily transferred, if the total quantity of groundwater extracted in any five-year period is consistent with the provisions of the groundwater sustainability plan.

(b) This section does not authorize a groundwater sustainability agency to issue permits for the construction, modification, or abandonment of groundwater wells, except as authorized by a county with authority to issue those permits. A groundwater sustainability agency may request of the county, and the county shall consider, that the county forward permit requests for the construction of new groundwater wells, the enlarging of existing groundwater wells, and the reactivation of abandoned groundwater wells to the groundwater sustainability agency before permit approval.

(Amended (as added by Stats. 2014, Ch. 346) by Stats. 2014, Ch. 347, Sec. 12. Effective January 1, 2015.)

10726.5.

In addition to any other authority granted to a groundwater sustainability agency by this part or other law, a groundwater sustainability agency may enter into written agreements and funding with a private party to assist in, or facilitate the implementation of, a groundwater sustainability plan or any elements of the plan.

(Added by Stats. 2015, Ch. 666, Sec. 3. Effective January 1, 2016.)

<u>10726.6.</u>

(a) A groundwater sustainability agency that adopts a groundwater sustainability plan may file an action to determine the validity of the plan pursuant to Chapter 9 (commencing with Section 860) of Title 10 of Part 2 of the Code of Civil Procedure no sooner than 180 days following the adoption of the plan.

(b) Subject to Sections 394 and 397 of the Code of Civil Procedure, the venue for an action pursuant to this section shall be the county in which the principal office of the groundwater management agency is located.

(c) Any judicial action or proceeding to attack, review, set aside, void, or annul the ordinance or resolution imposing a new, or increasing an existing, fee imposed pursuant to Section 10730, 10730.2, or 10730.4 shall be commenced within 180 days following the adoption of the ordinance or resolution.

(d) Any person may pay a fee imposed pursuant to Section 10730, 10730.2, or 10730.4 under protest and bring an action against the governing body in the superior court to recover any money that the governing body refuses to refund. Payments made and actions brought under this

section shall be made and brought in the manner provided for the payment of taxes under protest and actions for refund of that payment in Article 2 (commencing with Section 5140) of Chapter 5 of Part 9 of Division 1 of the Revenue and Taxation Code, as applicable.

(e) Except as otherwise provided in this section, actions by a groundwater sustainability agency are subject to judicial review pursuant to Section 1085 of the Code of Civil Procedure.

(Added by Stats. 2014, Ch. 346, Sec. 3. Effective January 1, 2015.)

<u>10726.8.</u>

(a) This part is in addition to, and not a limitation on, the authority granted to a local agency under any other law. The local agency may use the local agency's authority under any other law to apply and enforce any requirements of this part, including, but not limited to, the collection of fees.

(b) Nothing in this part shall be construed as authorizing a local agency to make a binding determination of the water rights of any person or entity, or to impose fees or regulatory requirements on activities outside the boundaries of the local agency.

(c) Nothing in this part is a limitation on the authority of the board, the department, or the State Department of Public Health.

(d) Notwithstanding Section 6103 of the Government Code, a state or local agency that extracts groundwater shall be subject to a fee imposed under this part to the same extent as any nongovernmental entity.

(e) Except as provided in subdivision (d), this part does not authorize a local agency to impose any requirement on the state or any agency, department, or officer of the state. State agencies and departments shall work cooperatively with a local agency on a voluntary basis.

(f) Nothing in this chapter or a groundwater sustainability plan shall be interpreted as superseding the land use authority of cities and counties, including the city or county general plan, within the overlying basin.

(Amended by Stats. 2015, Ch. 255, Sec. 10. Effective January 1, 2016.)

10726.9.

A groundwater sustainability plan shall take into account the most recent planning assumptions stated in local general plans of jurisdictions overlying the basin.

(Added by Stats. 2014, Ch. 347, Sec. 14. Effective January 1, 2015.)

EXHIBIT E

INITIAL FUNDING AND ADMINISTRATIVE SERVICES AGREEMENT

RECITALS

- A. This Initial Funding and Administrative Services Agreement ("AGREEMENT") is incorporated as **Exhibit E** into the JOINT EXERCISE OF POWERS AGREEMENT ESTABLISHING THE Glenn GROUNDWATER AUTHORITY ("JPA"), as if fully set forth therein.
- B. The Members share the common goal of cost effective, sustainable groundwater management within the Glenn County portions of the Colusa Subbasin.
- C. This AGREEMENT is authorized pursuant to Government Code section 6500, et seq., and defines the Members' respective initial financial contributions and cost-share responsibilities for operational and administrative costs of operating the Authority, and for contracting and engaging for administrative and professional services, in furtherance of the JPA.

THEREFORE, in consideration of the mutual promises, covenants, and conditions herein set forth, the Members agree as follows:

ARTICLE 1: DEFINITIONS

- 1.1 **Definitions.** As used in this Agreement, unless the context requires otherwise, the meaning of the terms hereinafter set forth shall be as follows:
- 1.1.1 "Authority" shall mean the Glenn Groundwater Authority.
- 1.1.2 "Authority Board" shall mean the Board of Directors of the Authority.
- 1.1.3 "Member" shall mean a signatory to this AGREEMENT and "Members" shall mean all of the signatories to this AGREEMENT, collectively.

ARTICLE 2: FUNDING AGREEMENT

2.1 Budgets and Member Contributions.

2.1.1 Fiscal Year. The Fiscal Year of the Authority shall be July 1 – June 30.

2.1.2 Initial Budgets. Budgets developed by the Members for Fiscal Years 2017-2018 and 2018-2019 are set forth in Exhibit F to the JPA, which is attached and hereby incorporated into this AGREEMENT. Budgets may be adjusted by approval of the Authority Board, subject to the procedures provided in the JPA and Article 2.1.3 of this AGREEMENT.

2.1.3 **Funding Obligation Initial Budgets**. Each Member shall be responsible for funding a portion of said budget in accordance with the schedule set forth in **Exhibit F** ("Funding Obligation"). Members' Funding Obligation shall be paid in four equal installments, which shall accrue on July 1st, October 1st, February 1st, April 1st during the term of this

AGREEMENT. Such installment payments shall be made within thirty (30) days of each accrual date. The Authority may pursue interest and penalties for delinquent payments made more than thirty (30) days after each accrual date. The obligation of each Member to make payments under the terms and provisions of this AGREEMENT is an individual and separate obligation of the Member and not a joint obligation with those of the other Members.

2.1.4 **In-Kind Services**. This AGREEMENT does not contemplate in-kind services, but the Authority Board may consider adopting policies for in-kind services in lieu of a Member or Members Funding Obligation, or as an off-set to such Funding Obligation. Any policy for in-kind services in lieu of, or an off-set to, Funding Obligations shall require a written agreement between the Board and the Member providing in-kind services, and such agreement shall include detailed provisions for tracking in-kind costs, rates, reimbursements and in-kind offsets.

2.1.5 Verification of Authority. Each Member hereby verifies and confirms that it has authority to enter into this Funding Agreement, and that it understands and hereby acknowledges its Funding Obligation as set forth in this Article 2.

ARTICLE 3: SERVICES AGREEMENT AND ENGAGEMENT OF CONSULTANTS

3.1 Agreement with County for Administrative Services.

3.1.1 Services Agreement between County and Authority. The Members contemplate that the County of Glenn will provide administrative services and related for the Authority during the term of this AGREEMENT. Upon formation of the Authority, the County and Authority may negotiate a new administrative services agreement to augment or supersede this AGREEMENT.

3.1.2 **Scope of County Services and Recoverable costs**. For the term of this AGREEMENT, the County shall provide administrative and financial services to the Authority. Such services many include, without limitation, project management related to the administrative services for the Authority, including the development and implementation of a Groundwater Sustainability Plan pursuant to SGMA, and financial, bookkeeping, invoicing and contracting services. A more detailed scope of services shall be stated in the services agreement between the County and Authority, as provided in Article 3.1.1 hereof.

3.1.3 **Invoicing and Payment and Reimbursement of County Services**. The County shall invoice the Authority quarterly for all costs and expenses incurred in carrying out the services required under this AGREEMENT, and as required under future funding agreement. Said invoices shall include the reasonable cost to the County for providing the staff and human resources time required to carry out the administrative services under this AGREEMENT, as well as other costs and expenses incurred on the Authority's behalf, including but not limited to rents, overhead, materials, insurance, benefits, taxes and the like. Invoicing shall be quarterly, and invoices shall include a statement of the County's services and the costs and expenses incurred performing such services during the prior month. The Authority shall pay all invoices within thirty (30) days of receipt.

3.1.4 **Direction of the Authority Board**. The services provided in this AGREEMENT shall be at the direction of the Board of the Authority, although the County is and shall remain the employer of any staff providing services hereunder. The County shall be deemed an independent contractor to the Authority, and the Authority shall have no authority to terminate, suspend, reprimand or otherwise discipline any County employee providing services hereunder, but shall direct all employment issues and complaints to the County which shall have absolute discretion to act.

3.2 Engagement of Consultants.

3.2.1 **Engagement of Consultants**. It is anticipated that the Authority may need to retain the services of one or more consultants in furtherance of the purposes of the Authority, and the Members hereby authorize the Authority to engage appropriate consulting services as necessary and consistent with this AGREEMENT.

3.2.3 **Board Approval**. The Authority Board shall approve engagement of any consultants retained on behalf of the Authority. The Authority Board shall review and approve all requests for proposals prior to their release and shall participate in the various stages of the selection process, including but not limited to, review of proposals and participation on interview panels. The Authority Board shall issue all notices to proceed and approve all consultant and related contracts.

ARTICLE 4: WITHDRAWAL AND TERMINATION

4.1 Withdrawal. A Member may, in its sole discretion, unilaterally withdraw from the AGREEMENT, without causing or requiring termination of the AGREEMENT. Withdrawal shall become effective upon one hundred and twenty days (120) days after receipt of written notice to the Authority and the remaining Members' as listed in Exhibit A. A Member that has withdrawn from this AGREEMENT shall remain obligated to pay its percentage cost share of expenses and obligations as outlined in the current budget and Exhibit F incurred, accrued, or encumbered up to the date the Member provided notice of withdrawal, including, but not limited to, its cost share obligation under any existing consultant contract. If a Member withdraws, the Authority Board shall reassess the contributions of each remaining Member to fund the current budget and determine if the Authority Board needs to request the contribution of additional funding from each Member.

4.2 **Termination and Term**.

4.2.1 This AGREEMENT may be terminated upon unanimous written consent of all current Members.

4.2.2 The Funding Agreement provided for in Article 2 shall terminate by its own terms the earlier of (a) two years from the effective date of this agreement or (b) adoption of an alternative funding plan approved by the Authority Board. The Members may vote to extend this AGREEMENT or a replacement agreement by unanimous vote.

ARTICLE 5: INDEMNIFICATION

5.1 No Member, nor any officer or employee of a Member, shall be responsible for any damage or liability occurring by reason of anything done or omitted to be done by another Member under or in connection with this AGREEMENT. The Members further agree, pursuant to California Government Code section 895.4, that each member shall fully indemnify and hold harmless each other Member and its agents, officers, employees, and contractors from and against all claims, damages, losses, judgments, liabilities, expenses, and other costs, including litigation costs and attorney fees, arising out of, resulting from, or in connection with any work delegated to or action taken or omitted to be taken by such Member under this AGREEMENT.

ARTICLE 6: MISCELLANEOUS

6.1 **Amendment**. This AGREEMENT may be amended only by unanimous written consent of all current signatories.

6.2 **Binding on Successors**. Except as otherwise provided in this AGREEMENT, the rights and duties of the Members may not be assigned or delegated without a unanimous vote by the Members. Any approved assignment or delegation shall be consistent with the terms of any contracts, resolutions, indemnities, and other obligations then in effect under the terms of this AGREEMENT. This AGREEMENT shall be binding upon, and shall inure to the benefit of, the successors and assigns of the Members hereto.

6.3 Notice. Any notice or instrument required to be given or delivered under this AGREEMENT may be made by: (a) depositing the same in any United States Post Office, postage prepaid, and shall be deemed to have been received at the expiration of seventy-two (72) hours after its deposit in the United States Post Office; (b) transmission by facsimile copy to the addressee; (c) transmission by electronic mail; or (d) personal delivery to the Members identified in Exhibit A.

6.4 **Execution in Counterparts**. This AGREEMENT may be executed by the Members in separate counterparts, each of which when so executed and delivered shall be an original. All such counterparts shall together constitute but one and the same instrument.

6.5 **Choice of Law**. This AGREEMENT is made in the State of California, under the Constitution and laws of said State and is to be so construed.

6.6 **Dispute Resolution**. Any dispute under this AGREEMENT shall be resolved pursuant the dispute resolution procedures provided for in the JPA.

6.7 **Severability**. If one or more clauses, sentences, paragraphs or provisions of this AGREEMENT are held to be unlawful, invalid, or unenforceable, it is hereby agreed by the Members that the remainder of the Agreement shall not be affected thereby. Such clauses, sentences, paragraphs, or provisions shall be deemed enforced so as to be lawful, valid, and enforced to the maximum extent possible.

6.8 **Construction and Interpretation**. This AGREEMENT has been arrived at through negotiation and each Member has had a full and fair opportunity to revise the terms of this

AGREEMENT. As a result, the normal rule of construction that any ambiguities are to be resolved against the drafting Member shall not apply in the construction or interpretation of this AGREEMENT.

6.9 Entire Agreement. This AGREEMENT constitutes the entire agreement among the Members and supersedes all prior agreements and understandings, written or oral. This AGREEMENT may only be amended by written instrument executed by all Members.

EXHIBIT F

Balance Sheet (Projected) DRAFT Version 3

6/9/2017- Excluding Federal Lands Colusa Subbasin GSA/JPA (Glenn)

	Weighted Sector		Projected	Actual		Projected	Actual	F	Projected	Actual
	(acres/population)		FY 2017/18		FY 2018/19***			FY 2019/20-2022/23***		
Assets									(0.0)	
Balance (Carryover)			-			2,346			(66)	
Grants Prop 1 Grant Funding, Counties Prop 1 Grant Funding, GSP					\$ \$	- 240,000		\$	- 100,000	
Facilitation Services, DWR Other		\$	-		\$	-		\$	•	
Total Grants		\$			\$	240,000		\$	100,000	-
Agency Contributions Agency Contributions, Fixed Fee (Start-up Fees)										
City of Orland City of Willows		\$ ¢	10,000		\$	10,000				
County of Glenn		s S	10,000		s s	10,000				
Glenn-Colusa Irrigation District		\$	10,000		ŝ	10,000				
Glide Water District		\$	10,000		Ş	10,000				
Kanawna water District Orland-Artois Water District		\$ ¢	10,000		\$ ¢	10,000				
Princeton-Codora-Glenn/Provident Irrigation		ŝ	10,000		ş	10,000				
Glenn Groundwater District		\$	-		ŝ	10,000				
Agency Contributions (Remaining costs divided by acres FY18/19=\$1.28 FY 19/20=\$0.82)										
City of Orland	7,812	\$	9,999		\$	6,406				
County of Glenn	6,187 112 308	হ হ	7,919		ş	5,073				
Glenn-Colusa Irrigation District	63.970	ŝ	81.882		Š	52,055				
Glide Water District	9,421	\$	12,059		\$	7,725				
Kanawha Water District	14,625	\$	18,720		S	11,993				
Orland-Artois Water District Princeton-Codora-Glenn/Provident Irrigation	31,300	\$	40,064		Ş	25,666				
Glenn Groundwater District****	20,615	s	20,043		ş S	22 858				
Other	27,070	Ŷ			Ŷ	- 22,000			-	
Total Agency Contributions	294,313	\$	456,721		\$	331,337		\$	-	-
Assessments										
Per Acre Land Assessment		s	-		\$	-		\$	-	
Well Head Fee			-			-			-	
Other			-			-			-	
Total Assessments		\$			\$	-		\$	-	-
TOTAL Assets		\$	456,721		\$	571,337		\$	100,000	-
Liabilities Program Manager		s	(150,000)		ç	(150.000)		ç	(600.000)	
Program Administration Support		Ť	(100,000)		Ŷ	(100,000)		Ŷ	(000,000)	
Legal Services			(60,000)			(45,000)			(180,000)	
hacilitation Services Certified Rublic Accountant (Veedu Audite)			(20,000)			(20,000)			(40.000)	
JPA Insurance			(12,000)			(12,000)			(40,000)	
County Bookkeeper			(10,000)			(12,000)			(36,000)	
Work Plan/GSP Projects			. ,			. ,				
Work Plan* #1. Technical and Reporting Standards			•			-			*	
(Monitoring Protocols)**			-			-			-	
#2- Technical and Reporting Standards (Data										
Reporting Standards/Data Management System)**			-			-				
#3-crydrogeologic Conceptual Model"" #4- Water Budget**			-			-			-	
#5- Management Area Description/Sustainable			-			-				
Management Criteria**			-			-			-	
#6- Description of Plan Area						(50,000)				
#r- rechnical Reporting Standards (Monitoring Protocols)			(60.000)							
#8- Hydrogeologic Conceptual Model			(50,000) (50,000)			-				
#9- Water Budget			(30,000)			(60,000)				
#9B- Stakeholder Outreach			(10,000)			(10,000)				

#10- Water Budget #11-Management Area Description/Sustainable		(50,000)	
Management Criteria			(150,000)
#12- Notice and Communication #13- Monitoring Networks	(20,000)	(20,000) (50,000)	(325,000)
#14- Sustainable Management Criteria #15-Groundwater Conditions as related to			(30,000)
Undestrable Results #16- Projects and Management Actions #17. Technical and Panotting Stondards		(40,000)	(90,000) (100,000)
#18- Management Area Description		(10,000)	(40,000) (20,000)
Prop 218			
Prop 218 Engineering Study (estimate 33 cents			
Prop 218 Election	(32,374)	(64,749) (10,000)	-
Other	~	-	-
Contingency			-
Total Current Liabilities	\$ (454,374)	\$ (573,749)	\$ (1,659,000)
Balance	\$ 2,346	\$ (66)	\$ (1,559,066)

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*Agencies covered this cost in FY 2016/2017 **A portion of the task is being completed in the County's current Prop 1 grant. Only additional costs to complete or refine the work is included in these costs. *** FY 18/19 and FY 19/20 and beyond is dependent on obtaining Prop 1 funding. If funding does not materialize, the per acre fees will increase to cover the cost of the work plan tasks or work will be delayed. ****County would be responsible for the acreage fee in FY 2017/2018

Incorporated Cities populations derived from State Department of Finance 1/1/17 population- Downloaded 5/26/17 http://www.dof.ca.gov/Forecasting/Demographics/Estimates/E-1/

EXHIBIT G

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Agency jurisdictional map.

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Groundwater Sustainability Agency

225 N. Tehama Street, Willows, CA 95988 | 530.934.6540

Board of Directors Meeting Materials

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 or by computer, smartphone, or tablet at:

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

Meeting Access Code: 325-875-421

1. CALL TO ORDER

The Chairperson will call the meeting to order and lead the <u>flag salute</u>.

2. ROLL CALL

Roll call will be conducted.

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)

Executive Order N-08-21 was issued on June 11, 2021 which provided guidance on a number of orders that were issued in relation to COVID-19. One change applied to Executive Order N-29-20 (issued March 17, 2020) relating to Open Meetings and teleconferencing stating the provisions of N-29-20 would apply through September 30, 2021.

On September 16, 2021, Governor Newsom approved Assembly Bill 361 relating to Open Meetings and teleconferencing requirements.

On October 11, 2021, Counsel provided an overview of the expiration of Executive Order N-29-20 and the passage of Assembly Bill 361. Beginning November 8, 2021, the Board has approved 2 Resolutions to Implement Teleconferencing Requirements During a Proclaimed State of Emergency. A Resolution must be passed every 30 days to remain effective.

Attachments

 RESOLUTION No. 2021-004 RESOLUTION TO IMPLEMENT TELECONFERENCING REQUIREMENTS DURING A PROCLAIMED STATE OF EMERGENCY

8. 1:30 pm PUBLIC HEARING: ADOPTION OF THE COLUSA SUBBASIN GROUNDWATER SUSTAINABILTY 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

In September 2014, the California Legislature enacted the Sustainable Groundwater Management Act (SGMA) to require sustainable groundwater management statewide. SGMA applies to all high and medium priority groundwater basins as determined by the Department of Water Resources. Implementation of SGMA is achieved through the formation of Groundwater Sustainability Agencies (GSAs) and the preparation and implementation of Groundwater Sustainability Plans (GSPs). GSPs for all high and medium priority basins, including the Colusa Subbasin, must be submitted to the Department of Water Resources by January 31, 2022.

The Glenn Groundwater Authority (GGA) was created by forming a Joint Exercise of Powers Agreement, signed by nine local agencies, with the purposes of being a Groundwater Sustainability Agency for the Glenn County portion of the Colusa Subbasin. A tenth member joined the Glenn Groundwater Authority October 14, 2019. The GGA is the exclusive GSA for the Glenn County portion of the Colusa Subbasin.

A second GSA, the Colusa Groundwater Authority (CGA) was established as the exclusive GSA for the Colusa County portion of the Colusa Subbasin. The two GSAs have worked collaboratively throughout the GSP development process to develop a single Colusa Subbasin GSP. This partnership was formalized through the execution of a voluntary Memorandum of Understanding between the CGA and GGA in April 2020. The Technical Advisory Committee (TAC) for each GSA met jointly several times since 2019 to discuss, evaluate, and make recommendations to their respective GSA on GSP development. GSA Board meetings and TAC meetings are open to the public and public engagement is encouraged.

Pursuant to Water Code section 10728.4, a notice was sent on August 27, 2021 to cities and counties within the area of the proposed plan (six entities). As a result, GGA staff gave presentations to the City of Orland and the City of Willows City Councils.

Draft sections of the GSP were posted to the website and public review periods were held to receive initial feedback on draft sections as they were developed. A complete draft GSP was prepared and released for a public review period beginning September 13, 2021 and ending October 31, 2021. A printed copy of the draft GSP was available for public review at the Planning and Community Development Services Agency lobby located at 225 North Tehama Street in Willows. Outreach meetings to provide an overview of SGMA, GSP progress, an overview of chapters, and to receive comments were held at regular intervals noted in the table below. Regular updates on GSP development have also been provided at GGA meetings.

GSP Chapter/Activity	Activity Start Date	Activity End Date	Activity Duration (days)	Outreach
Chapter 1 - Introduction	4/7/2021	5/5/2021	28	April
Chapter 2 - Plan Area	4/7/2021	5/5/2021	28	22 Joint
Chapter 3 - Basin Setting	4/7/2021	5/5/2021	28	CGA/GGA
Chapter 4 - Monitoring Network	4/7/2021	5/5/2021	28	Board Mtg
Chapter 5 - Sustainable Management Criteria	7/16/2021	8/13/2021	28	July 28
Chapter 6 - Projects and Management Actions	7/16/2021	8/13/2021	28	(virtual); July 29 (in person)
Chapter 7 - Plan Implementation	9/13/2021	10/31/2021	48	October 13
Chapter 8 - References and Technical Studies	9/13/2021	10/31/2021	48	(virtual);
Executive Summary	9/13/2021	10/31/2021	48	October 15
Complete Draft GSP	9/13/2021	10/31/2021	48	(in person)
Complete Final GSP	11/1/2021	11/30/2021	30	N/A
GSP Adoption by Agencies and Submittal to DWR	12/3/2021	1/31/2022	60	GGA Public Hearing 12/14/21; CGA Public Hearing 12/13/21

The Colusa Subbasin Groundwater Sustainability Plan is being presented for consideration of adoption. The Colusa Subbasin GSP is located online at: <u>https://www.countyofglenn.net/water-resources/colusa-</u><u>subbasin-groundwater-sustainability-plan</u>. A printed copy is available for review at the Planning and Community Development Services Agency located at 225 North Tehama Street, Willows, CA 95988.

As noted above, the Colusa Subbasin GSP considers input from staff, GSA members, TAC members, and members of the public. Input was received at GSA meetings, TAC meetings, public workshops, and through feedback received during public comment periods on initial draft GSP chapters.

Public comments received throughout the GSP development process and responses can be found on the "Box" account at <u>https://app.box.com/s/qs6t62aeb2syhg870h03g7tjzs13m099</u>. These comments are also included in the GSP in Appendix 2B-1.

Following adoption by the two GSAs, staff will work with the consultant team who will lead the effort to submit the Colusa Subbasin GSP to the Department of Water Resources.

Attachments

- 90-day notice to cities and counties
- Legal Notice: newspaper publication

Groundwater Sustainability Agency

225 North Tehama Street, Willows, CA 95988 | 530.934.6540

August 27, 2021

City of Williams P.O. Box 310 Williams, CA 95987

RE: Colusa Subbasin Groundwater Sustainability Plan

Dear Honorable City Council,

The Glenn Groundwater Authority (GGA), in conjunction with the Colusa Groundwater Authority, is developing a draft Groundwater Sustainability Plan (GSP) for the Colusa Subbasin, pursuant to the Sustainable Groundwater Management Act (SGMA).

Water Code § 10728.4. reads in part:

A groundwater sustainability agency may adopt or amend a groundwater sustainability plan after a public hearing, held at least 90 days after providing notice to a city or county within the area of the proposed plan or amendment. The groundwater sustainability agency shall review and consider comments from any city or county that receives notice pursuant to this section and shall consult with a city or county that requests consultation within 30 days of the receipt of the notice.

PLEASE TAKE NOTICE that the GGA will hold a Public Hearing in December 2021 to consider adopting the GSP for the Colusa Subbasin.

Pursuant to SGMA, representatives of the GGA are available to provide consultation with, and receive comments on the GSP from your organization should consultation be requested. Comments may also be provided in writing during the public comment period beginning on September 13, 2021 and continue for 48 days closing on October 31, 2021. The draft GSP, or publicly released portions thereof, may be available at the Glenn Groundwater Authority website at: https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority

Consultations can be arranged, or questions can be answered by contacting Lisa Hunter, Glenn Groundwater Authority Program Manager, at <u>hunter@countyofglenn.net</u> or by phone at 530-934-6540.

Lisa Hunter Program Manager

Groundwater Sustainability Agency

225 North Tehama Street, Willows, CA 95988 | 530.934.6540

August 27, 2021

City of Colusa 425 Webster Street Colusa, CA 95932

RE: Colusa Subbasin Groundwater Sustainability Plan

Dear Honorable City Council,

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Lisa Hunter Program Manager

Groundwater Sustainability Agency

225 North Tehama Street, Willows, CA 95988 | 530.934.6540

August 27, 2021

County of Colusa 547 Market Street Colusa, CA 95932

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Lisa Hunter Program Manager

Groundwater Sustainability Agency

225 North Tehama Street, Willows, CA 95988 | 530.934.6540

August 27, 2021

County of Glenn 525 West Sycamore Street, Suite B1 Willows, CA 95988

RE: Colusa Subbasin Groundwater Sustainability Plan

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Lisa Hunter Program Manager

Groundwater Sustainability Agency

225 North Tehama Street, Willows, CA 95988 530.934.6540

August 27, 2021

City of Willows 201 North Lassen Street Willows, CA 95988

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Lisa Hunter Program Manager

Groundwater Sustainability Agency

225 North Tehama Street, Willows, CA 95988 | 530.934.6540

August 27, 2021

City of Orland 815 Fourth Street Orland, CA 95963

RE: Colusa Subbasin Groundwater Sustainability Plan

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Lisa Hunter Program Manager

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-developmentservices/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 & Glenn Groundwater Authority

Colusa Subbasin Groundwater Sustainability Plan

FINAL REPORT - DECEMBER 2021



COLUSA SUBBASIN

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FINAL REPORT | DECEMBER 2021

Colusa Subbasin Groundwater Sustainability Plan

PREPARED FOR

Colusa Groundwater Authority & Glenn Groundwater Authority



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Colusa Subbasin Groundwater Sustainability Plan



FINAL REPORT | DECEMBER 2021

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ACKNOWLEDGEMENTS

Groundwater Sustainability Agencies

Colusa Groundwater Authority GSA

Member Agencies

County of Colusa, City of Colusa, City of Williams, Glenn-Colusa Irrigation District, Maxwell Irrigation District, Westside Water District, Princeton-Codora-Glenn Irrigation District, Provident Irrigation District, Colusa County Water District, Reclamation District 108, Reclamation District 479, Colusa Drain Mutual Water Company, Two representatives of private groundwater pumpers

Glenn Groundwater Authority GSA

Member Agencies

City of Orland, City of Willows, County of Glenn, Glenn-Colusa Irrigation District, Glide Water District, Kanawha Water District, Monroeville Water District, Orland-Artois Water District, Princeton-Codora-Glenn Irrigation District, Provident Irrigation District

Technical Advisory Committees

Colusa Groundwater Authority TAC Glenn Groundwater Authority TAC

Consultant Team

Davids Engineering, Inc. ERA Economics West Yost Woodard & Curran, Inc. California State University, Sacramento

Cover Photographers

Carli Marengo Denise Carter Hilary Reinhard Jean Miller Mary Fahey Mirna Albarran-Jack

In Remembrance of Byron Alan Clark, PE

(February 4, 1976 - April 3, 2021) Thanks for his excellent leadership and foundational work in the development of the Colusa Subbasin GSP (THIS PAGE LEFT BLANK INTENTIONALLY)

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LIST OF ACRONYMS AND ABBREVIATIONS

μg/L	Micrograms Per Liter
μS/cm	MicroSiemens Per Centimeter
3D	Three-Dimensional
AB	Assembly Bill
AEM	Airborne Electromagnetic
af	Acre-Feet
af/yr	Acre-Feet per Year
amsl	Above Mean Sea Level
AN	Above Normal Water Year
Authorities	Colusa Groundwater Authority and Glenn Groundwater Authority
AWMP	Agricultural Water Management Plan
bgs	Below Ground Surface
вмо	Basin Management Objective
BMP	Best Management Practice
BN	Below Normal Water Year
Brown Act	Ralph M. Brown Act (Government Code § 54950-54963)
С	Critically Dry Water Year
C&E Plan	Communication and Engagement Plan
C2VSimFG	California Central Valley Groundwater-Surface Water Simulation Model – Fine Grid
Cal Water	California Water Service Company
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CASGEM	California's Statewide Groundwater Elevation Monitoring Program
ССР	Comprehensive Conservation Plan
CCR	California Code of Regulations
CCWD	Colusa County Water District
CDEC	California Data Exchange Center
CDFW	California Department of Fish and Wildlife
CDMWC	Colusa Drain Mutual Water Company
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
cfs	Cubic Feet per Second
CGA	Colusa Groundwater Authority
CGPS	Continuously Operating Global Positioning System
CIMIS	California Irrigation Management Information System
CNRA	California Natural Resources Agency

Colusa Drain	Colusa Basin Drainage Canal System
COOP	Cooperative Observer Network
Cr ⁶⁺	Hexavalent Chromium
CRC	California Rice Commission
CREP	Conservation Reserve Enhancement Program
CSAMT	Controlled Source Audio-Frequency Magnetotellurics
СТ	Central Tendency
CVP	Central Valley Project
CVRWQCB	Central Valley Regional Water Quality Control Board
CV-SALTS	Central Valley Salinity Alternatives for Long-Term Sustainability
CWC	California Water Code
D	Dry Water Year
DAC	Disadvantaged Community
DDW	Division of Drinking Water
Delta	San Joaquin-Sacramento River Delta
DMS	Data Management System
DTSC	Department of Toxic Substance Control
DTW	Depth to Water
DWD	Dunnigan Water District
DWR	Department of Water Resources
EC	Electrical Conductivity
EDA	Economically Distressed Area
Eh	Redox potential
ESA	Endangered Species Act
ET	Evapotranspiration
ET _{aw}	Evapotranspiration of Applied Water
EWMP	Efficient Water Management Practices
eWRIMS	Electronic Water Rights Information Management System
Flood Board	Central Valley Flood Protection Board
Flood-MAR	Flood-Managed Aquifer Recharge
FSS	Facilitation Support Services
ft	Feet
ft bgs	Feet Below Ground Surface
ft/day	Feet Per Day
GAMA	Groundwater Ambient Monitoring and Assessment
GCC	Glenn County Code
GCID	Glenn-Colusa Irrigation District
GDE	Groundwater Dependent Ecosystems
GGA	Glenn Groundwater Authority

Geographic Information System Mapping
Groundwater Management Plan
General Plan
Gallons Per Minute
Global Positioning System
Groundwater Sustainability Agency
Groundwater Sustainability Plan
Groundwater Elevations
Groundwater System
Hydrogeologic Conceptual Model
Hydrologic Unit Code
Interconnected Surface Water in California's Central Valley
Identification
Integrated Hydrologic Model
Irrigated Lands Regulatory Program
Interferometric Synthetic Aperture Radar
Integrated Regional Water Management Plan
Integrated Water Flow Model
Joint Powers Authority
Jet Propulsion Laboratory
Local Agency Formation Commission
Million Years Ago
Million Acre Feet
Million Acre Feet Per Year
Managed Aquifer Recharge
Maximum Contaminant Level
Million Gallons
Milligrams per Liter
Millions of Gallons Per Day
Median Household Income
Measurable Objective
Municipal Service Reviews
Minimum Threshold
North American Datum
National Aeronautics and Space Administration
North American Vertical Datum of 1988
Natural Communities Commonly Associated with Groundwater
National Centers for Environmental Information
Northern California Water Association

NEPA	National Environmental Policy Act
NHD	National Hydrology Dataset
NHPA	National Historic Preservation Act
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NRCS	Natural Resources Conservation Service
NSV	Northern Sacramento Valley
NWIS	National Water Information System
0&M	Operation and Maintenance
OAL	Office of Administrative Law
OAWD	Orland-Artois Water District
OES	Office of Emergency Service
OSWCR	Online System of Well Completion Reports
OUWUA	Orland Unit Water Users Association
P&G	Proctor and Gamble
РВО	Plate Boundary Observatory
PCE	Tetrachloroethylene
PHG	Public Health Goal
Planned PMA	Planned Projects and Management Actions
PMA	Projects and Management Actions
ррb	Part Per Billion
ppm	Parts Per Million
RD108	Reclamation District 108
Reclamation	U.S. Bureau of Reclamation
RMN	Representative Monitoring Network
RPE	Reference Point Elevation
RWMP	Regional Water Management Plan
SAGBI	Soil Agricultural Groundwater Banking Index
SB	Senate Bill
SCADA	Supervisory Data and Control Acquisition
SDAC	Severely Disadvantaged Community
SDWIS	Safe Drinking Water Information System
SGMA	Sustainable Groundwater Management Act
SHPO	State Historic Preservation Office
SIP	Shelter-in-Place
SMC	Sustainable Management Criteria
SMCL	Secondary Maximum Contaminant Level
SRSC	Sacramento River Settlement Contractors
SSURGO	Soil Survey Geographic Database

Subbasin	Colusa Subbasin
SVHMP	Sacramento Valley Height Modernization Project
SVSim	Sacramento Valley Simulation Model
SVWQC	Sacramento Valley Water Quality Coalition
SWN	State Well Number
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
SWS	Surface Water System
ТАС	Technical Advisory Committee
taf	Thousand Acre-Feet
taf/yr	Thousand Acre-Feet Per Year
тсс	Tehama-Colusa Canal
TCCA	Tehama-Colusa Canal Authority
TDS	Total Dissolved Solids
TNC	The Nature Conservancy
Tribes	California Native American Tribes
UC	University of California
UC-ANR	University of California Agriculture and Natural Resources
UNAVCO	University NAVSTAR Consortium
USACE	U.S. Army Corps of Engineers
USBR	U.S. Bureau of Reclamation
USDA	U.S. Department of Agriculture
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UWMP	Urban Water Management Plan
W	Wet Water Year
WCR	Well Completion Report
WDL	Water Data Library
WDR	Waste Discharge Requirements
WMP	Water Management Plan
WRCC	Western Regional Climate Center

1

2

Preface

Development of the Colusa Subbasin Groundwater Sustainability Plan (GSP), like many others throughout 3 4 California, has coincided with one of the most severe and extensive droughts that has ever gripped the 5 western United States. As of this writing in December 2021, as the final Colusa Subbasin GSP is being 6 assembled, drought conditions throughout most of California, including the Colusa Subbasin (Subbasin), 7 are classified as "exceptional", the most extreme classification defined by the U.S. Drought Monitor 8 (USDM)¹. Historically, observed impacts during exceptional drought generally include: widespread water 9 shortages, depleted surface water supplies, extremely low federal surface water deliveries, curtailment 10 of water rights, extremely high surface water prices, increased groundwater pumping to satisfy water 11 demands, dry groundwater wells, increased well drilling and deepening, increased pumping costs, 12 wildfire, decreased recreational opportunities, and poor water quality, among other potential impacts 13 reported by the USDM. All of these conditions are currently being experienced to some degree across 14 California and, at least in part, within the Subbasin. In particular, surface water supplies available for 15 irrigation were significantly reduced in both 2020 and 2021, resulting in reduced plantings of some annual 16 crops (primarily rice), and increased groundwater pumping, primarily to sustain permanent tree crops 17 and, to a lesser extent, some annual crops.

As of November 30, 2021, the County of Glenn had received 282 reports of problems associated with 18 19 groundwater wells, with about 65 percent of those being reports of dry wells. While a few of the reported 20 dry wells are in the foothills outside of the Subbasin, the large majority lie within the Colusa and Corning 21 Subbasins, concentrated in areas around Orland and the northern portion of the County. As of 22 November 30, 2021, the County of Colusa had received 30 landowner reports of problems associated with 23 groundwater wells, with 20 of the reported wells being located within the Subbasin. Of those wells in the 24 Subbasin, 18 are reported as dry. Most reported dry wells are used for domestic water supply. Counts of 25 dry wells in both counties are likely to be low because some landowners choose not to report well 26 problems to the counties. In addition to reported dry wells, there are anecdotal reports of land subsidence 27 around the Arbuckle area in the Colusa County portion of the Subbasin.

28 At the State level and as a result of the unprecedented dry conditions, Governor Gavin Newsom declared 29 a drought emergency on April 21, 2021, which was subsequently expanded on May 10 to include new drought-impacted areas, including the Sacramento-San Joaquin Delta Watershed. Most recently, on 30 31 October 19, Governor Newsom issued a proclamation extending the drought emergency statewide. On 32 August 20, the State Water Resources Control Board (SWRCB) issued surface water curtailment orders to 33 approximately 4,500 water right holders in the Sacramento-San Joaquin Delta Watershed to protect 34 drinking water supplies, prevent salinity intrusion into fresh water supplies, and minimize impacts to 35 fisheries and the environment. Given that these curtailment orders are in place for a period of one year, 36 these curtailments have immediate impacts on existing surface water supplies and could impact surface 37 water suppliers' ability to store water this coming winter, thereby potentially impacting available surface 38 water supplies for 2022 and beyond. Given the recent curtailments and an already bleak surface water

¹ The U.S. Drought Monitor (<u>https://droughtmonitor.unl.edu/</u>) is produced through a partnership between the National Drought Mitigation Center at the University of Nebraska-Lincoln, the United States Department of Agriculture, and the National Oceanic and Atmospheric Center. Information for the State of California is available online at: <u>https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?CA</u>.

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supply condition, there is an increased reliance on groundwater. Currently, all of California's 58 counties
 have declared drought emergencies, including both Colusa and Glenn Counties.

3 The reported numbers of dry wells discussed above, many of which were reported relatively early in the 4 dry season, are unprecedented in both counties, raising concerns among landowners and residents, and 5 prompting mitigation and response actions by both counties. The counties are maintaining well reporting 6 and tracking systems to identify localized areas where wells are going dry and/or where other 7 groundwater issues may exist. The counties are also supporting the public through local and regional 8 programs offered through the counties, the U.S. Department of Agriculture (USDA), the Rural Community 9 Assistance Corporation (RCAC), DWR, and the SWRCB that assist with well assessments, well repair and 10 replacement, installation or updates to household water systems, potable water hauling, and low-interest 11 loans to businesses and organizations affected by drought. Both counties have applied for drought relief 12 funding through DWR. At this time, prior to completion and adoption of the GSP, drought response efforts 13 in the Subbasin are the responsibility of the counties, cities, and other local agencies. At some point 14 following adoption of the GSP, those responsibilities may shift to or be coordinated with the GSAs. A 15 strategy for guiding potential coordination between the GSAs, counties, cities, and other local agencies is 16 described in Chapter 7 of the GSP. Coordination would ensure preservation of public health and safety 17 (the purview of the counties and cities) and groundwater sustainability for all beneficial users and uses 18 (the purview of the GSAs).

19 Technical work and related public involvement processes supporting development of the Colusa Subbasin 20 GSP began in earnest in May 2020 and are nearing completion as of December 2021. Development of the 21 GSP has utilized the best available science and tools, with the most sufficient and credible information and 22 data available for the decisions being made and the time frame available for making those decisions. Current 23 and historical groundwater conditions and water budgets have been evaluated for the Subbasin in alignment 24 with the GSP regulations. The technical work is based primarily on historical records of surface water and 25 groundwater conditions from 1966 through 2015, which includes the prior drought in 2014 to 2015, but not 26 the current drought in 2020 to 2021.

27 Unfortunately, drought conditions in 2020 and 2021 have coincided with development of the GSP, a 28 timing that has not permitted complete evaluation and inclusion of data from these years in the GSP at 29 this time. Due to the schedule mandated by the Sustainable Groundwater Management Act (SGMA) for 30 completion of GSPs by January 31, 2022, it has not been possible to include conditions that have 31 manifested due to the current drought in development of the Subbasin GSP. Records of drought-related 32 conditions in 2020 to 2021 will not be systematically compiled, quality-controlled, and made publicly 33 available until after the Colusa Subbasin GSP has been adopted. However, those conditions will be 34 factored into the required GSP annual reports and particularly the periodic (five-year) evaluations as they 35 become available.

36 It is noted that ongoing management of the Subbasin under the GSP will follow an "adaptive 37 management" strategy that involves active monitoring of Subbasin conditions and addressing any 38 challenges related to maintaining groundwater sustainability by scaling and implementing projects and 39 management actions (PMAs) in a targeted and proportional manner in accordance with the needs of the 30 Subbasin. Notwithstanding the information noted above regarding the challenges with GSP preparation 41 and the current drought, some of the planned projects contained within this GSP are being fast tracked

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- 1 to address impacts associated with the current drought. GSP annual reports provide an opportunity each
- 2 year to evaluate current Subbasin conditions and assess the need for further PMAs. During the periodic
- 3 evaluations, the GSP will also be reviewed and revised, as needed and as more is known about the effects
- 4 of current and future conditions.
- 5 Colusa County, Glenn County, and the stakeholders within the Subbasin recognize that this GSP isn't the
- 6 finish line; it is the starting line for sustainable management of the Subbasin. As conditions within the
- 7 Subbasin change, the GSAs within the Subbasin are committed to an open, transparent, and all-inclusive
- 8 adaptive management strategy aimed at tackling the important local issues that they face. At the heart of
- 9 SGMA is the power for locals to solve local problems with local resources. All parties in the Subbasin are
- 10 committed to doing just that.

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- 1 In September 2014, the California legislature passed, and Governor Jerry Brown signed, the Sustainable
- 2 Groundwater Management Act (SGMA), which was composed of Assembly Bill (AB) 1739, Senate Bill (SB)
- 3 1168, and SB 1319. SGMA is codified in Section 10720 et seq. of the California Water Code. The California
- 4 Department of Water Resources (DWR) subsequently initiated development of regulations to implement
- 5 SGMA. In February 2016, DWR released draft emergency regulations for the development of Groundwater
- 6 Sustainability Plans (GSPs). In July 2016, DWR provided notice of proposed emergency rulemaking and
- submitted the emergency regulations to the Office of Administrative Law (OAL). These are in California
 Code of Regulations (CCR), Title 23 Waters, Division 2 Department of Water Resources, Chapter 1.5
- Groundwater Management, Subchapter 2 Groundwater Sustainability Plans.
- 10 The practical implication of SGMA, and associated regulations to implement SGMA, is to provide for local 11 control of groundwater resources while requiring sustainable management of the state's groundwater
- 12 subbasins. Under the provisions of SGMA, local agencies must establish governance of their subbasins by
- 13 forming Groundwater Sustainability Agencies (GSAs) with the authority to develop, adopt, and implement
- a Groundwater Sustainability Plan (GSP) for the subbasin. The GSP provides a full accounting and
- 15 description of subbasin groundwater conditions and provides a roadmap for subbasin groundwater
- 16 management. Under the GSP, GSAs must adequately define and monitor groundwater conditions in the
- 17 subbasin and establish criteria to maintain or achieve sustainable groundwater management within
- 18 20 years of GSP adoption.
- 19 The timeline for GSP development and adoption depends on subbasin conditions that are defined by DWR
- 20 in its Bulletin 118. The Colusa Subbasin (Subbasin) is defined in Bulletin 118 by DWR as a high priority
- 21 subbasin. This means that the Colusa Subbasin GSAs must develop, adopt, and submit a GSP (or GSPs)
- covering the entire Subbasin to DWR by January 31, 2022 (CWC Section 10720.7(a)(2)). The Subbasin is
- 23 managed by two GSAs: the Glenn Groundwater Authority (GGA) and the Colusa Groundwater Authority
- 24 (CGA). The GSAs have worked collaboratively to develop this single GSP to meet the requirements under
- 25 SGMA for the entire Subbasin.
- The following subsections in this Executive Summary provide an overview of each section of the Colusa Subbasin GSP.

INTRODUCTION (GSP CHAPTER 1)

Groundwater serves as an important source of supply for agricultural, municipal, domestic, industrial, and environmental beneficial uses throughout the Subbasin¹, which underlies approximately 723,823 acres within Colusa and Glenn Counties. Agriculture in the Subbasin relies on approximately 500,000 acre-feet (af) of groundwater (and nearly 1.2 million af of surface water, plus precipitation) annually, on average, to produce an array of commodities that contribute to the agricultural economies of both Colusa County and Glenn County, which have a total combined value of over \$1.7 billion dollars.² Groundwater also supports essentially all domestic, municipal, and industrial water use in both Counties. The sustainable

¹ Groundwater basin number 5-021.52, part of the Sacramento Valley Groundwater Basin, as defined by DWR Bulletin 118 (DWR, 2006) and updated in February 2019. Additional basin boundary modifications were submitted to DWR in June 2021; however, the modifications have not been approved as of the writing of this GSP.

² According to the Colusa County Department of Agriculture, the gross production value of agriculture in the County was \$932,963,000 (Crop Report, 2019). According to the Glenn County Department of Agriculture/Weights and Measurements, the gross production value of all agricultural commodities in the County was \$806,668,000 (Crop & Livestock Report, 2019).

management of groundwater in the Subbasin is important for long-term prosperity of the communities in
 the region.

3 Sustainable management of groundwater is defined under SGMA as the "management and use of 4 groundwater in a manner that can be maintained during the planning and implementation horizon 5 without causing undesirable results" (California Water Code [CWC] Section 10721(v)). Undesirable results 6 are associated with each of six sustainability indicators, including chronic lowering of groundwater levels, 7 reduction of groundwater storage, seawater intrusion, degraded water quality, land subsidence, and 8 depletions of interconnected surface water. Undesirable results occur when significant and unreasonable 9 effects for any of the sustainability indicators are caused by groundwater conditions occurring throughout 10 the subbasin. Sea water intrusion, while a SGMA-defined sustainability indicator, was determined to be 11 inapplicable to the Subbasin due to the distances between the Subbasin and the Pacific Ocean, bays, 12 deltas, or inlets ranging from about 30 to 60 miles.

The purpose of this GSP is to characterize groundwater conditions in the Subbasin, evaluate and report on existing conditions relating to the six sustainability indicators, describe existing monitoring, management programs and policies relating to groundwater resource use, document public outreach and communication, establish sustainability goals, and describe projects and management actions (PMAs) the GSAs will implement to achieve sustainable groundwater management within 20 years of implementing the GSP (CCRs Title 23, Section 350.4 (f)).

19 PLAN AREA (GSP CHAPTER 2)

20 Figure ES-1 illustrates the Plan Area. The Plan Area, described in detail in Chapter 2 of the GSP, is defined 21 as the Colusa Subbasin (5-021.52), part of the Sacramento Valley Groundwater Basin, as described in 22 Bulletin 118 (DWR, 2006b) with Subbasin boundary updates approved by DWR in February 2019. The 23 Subbasin is generally bounded by Stony Creek to the north, the Coast Ranges to the west, the Sacramento 24 River to the east, and the Colusa-Yolo County boundary and the Colusa County Water District boundary 25 to the south. The Subbasin currently includes about 2.4 square miles (1,500 acres) within Yolo County, but 26 is otherwise located fully within Glenn and Colusa Counties. Additional basin boundary modifications were 27 submitted to DWR in June 2021; however, the modifications have not been approved as of the writing of 28 this GSP. The modifications would adjust the eastern Subbasin boundary to better conform to the 29 boundary of Reclamation District 1004 in Colusa County and would reduce the area of the Subbasin to 30 1,129 square miles (722,768 acres). The vertical boundaries of the Subbasin are the land surface (upper 31 boundary) and the definable bottom of the basin (lower boundary). The vertical extent of the Subbasin is 32 subdivided into a surface water system (SWS) and groundwater system (GWS). The SWS represents the 33 land surface down to the bottom of plant root zone³, within the lateral boundaries of the Subbasin. The 34 GWS extends from the bottom of the root zone to the bottom of the Subbasin as defined by the

35 Hydrogeologic Conceptual Model (HCM), within the lateral boundaries of the Subbasin.

³ The depth to the bottom of the root zone varies by crop, but typically ranges from 2 to 7 feet (ASCE, 2016).

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Figure ES-1. Colusa Subbasin GSAs

n\c\277\60-20-11\wp\GSP

1 BASIN SETTING (GSP CHAPTER 3)

2 Chapter 3 describes the basin setting, including the HCM, current and historical groundwater conditions,

3 and water budget information describing the movement of surface water and groundwater into, through

4 and out of the Subbasin. Each of the three components of the basin setting are summarized below.

5 Hydrogeological Conceptual Model

6 The HCM provides the conceptual understanding of the hydrogeologic physical setting, characteristics, 7 and processes that occur within the Subbasin and provides the foundation upon which the components 8 of the water budget are based. The components of the HCM include surficial and subsurface features. 9 Surficial features include topography, hydrology, water supply features, land use, soil types, and geologic 10 outcrops. Subsurface features of the HCM include geologic formations and structures and the presence 11 and characteristics of aquifers and aquitards.

Figure ES-2 shows the geologic component of the HCM. The Subbasin is underlain by one principal aquifer 12 13 with interconnected unconfined and semiconfined to confined zones. Shallow groundwater in the 14 Subbasin occurs under unconfined conditions in the Holocene stream channel deposits, except where 15 these units are overlain by Holocene basin deposits, creating semiconfined to confined conditions. At 16 greater depths, groundwater occurs under semiconfined to confined conditions in a single heterogeneous 17 aquifer system, composed of predominantly fine-grained sediments enclosing discontinuous lenses of 18 sand and gravel. The aquifer properties, including hydraulic conductivity and degree of confinement are 19 dependent on the properties of the fine-grained units.

Most of the fresh groundwater within the Subbasin is contained within the Tehama Formation (shown as orange in Figure ES-2). The fraction of fresh groundwater contained within the Tehama Formation decreases in the northeastern portion of the Subbasin, where sediments of the Tuscan Formation are more prevalent (shown as pink in Figure ES-2). The interface between sediments of the Tehama and Tuscan Formations, referred to in this GSP as the Tehama-Tuscan Transition Zone, has been documented

25 as mixed Tehama and Tuscan Formation sediments.

There are no defined principal aquitards within the Subbasin, however, the formations deposited under alluvial conditions or volcanic flows with lahars, such as exist in the Tehama and Tuscan Formations, respectively, tend to consist of thick low-permeability sediments interbedded with interconnected channels or lenses of higher-permeability sediment. The low-permeability sediments may impede vertical groundwater flow, but generally do not separate the aquifer system into separate, definable principal aquifers in the Subbasin.

31 Groundwater Conditions

Chapter 3 describes current and historical groundwater conditions in the Subbasin to support development and implementation of the GSP pursuant to the requirements of SGMA. Current and historical conditions are described for groundwater elevations, estimates of groundwater storage, groundwater quality, land subsidence, and interconnected surface waters. The description of current and historical groundwater conditions directly supports the development of sustainable management criteria

37 presented in Chapter 5.

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1 2

Figure ES-2. 3D Hydrogeologic Conceptual Model

Groundwater elevations measured in spring 2020 are shown on Figure ES-3. Regional groundwater flow within the Subbasin is generally eastward from the margins of the Sacramento Valley toward the Sacramento River and southward towards the Sacramento-San Joaquin Delta. For most of the Subbasin, the groundwater flows in a southeasterly direction, consistent with typical regional trends. South of Arbuckle, however, groundwater flows northeast down from the western uplands before flowing

8 southeast down the valley.

Groundwater pumping has resulted in localized cones of depression that disrupt the regional groundwater
 flow gradients. Dry conditions and changes in land use have led to increased groundwater pumping in

11 recent years.

12 Groundwater elevations throughout the Subbasin declined over the prolonged dry period beginning after 13 2006. The alternating years of average to dry conditions after 2006 have affected shallow wells, some of 14 which have gone dry. The CGA and GGA support the State of California's policy on the Human Right to 15 Water and recognize that drought emergencies have a disproportionate effect on California Native America Tribes (Tribes), Disadvantaged Communities (DAC) and Severely Disadvantaged Communities 16 (SDAC) that rely on groundwater for their drinking water supplies. Many of the communities within the 17 18 Subbasin are considered disadvantaged or severely disadvantaged. Nearly all of the Subbasin is 19 considered an Economically Distressed Area. This GSP includes information on drought relief efforts 20 coordinated by the Colusa and Glenn Interagency Drought Task Forces to address the effects of drought 21 across the Subbasin and throughout these communities.



Figure ES-3. Groundwater Elevation Contours Spring 2020

1 Water Budget Information

2 A water budget is defined as a complete accounting of all water flowing into and out of a defined volume, 3 which is the entire Subbasin within its defined horizontal and vertical boundaries, over a specified period 4 of time. The water budget facilitates assessment of the total volume of groundwater and surface water 5 entering and leaving the Subbasin over time, along with the change in the volume of water stored within 6 the Subbasin. As required by the GSP emergency regulations, water budgets were developed for historical, 7 current, and projected conditions. A numerical integrated groundwater-surface water flow model was 8 developed based on the fine grid California Central Valley Groundwater-Surface Water Simulation Model 9 (C2VSimFG) and used to support development of water budgets. Three water budgets were developed 10 (including three climate scenarios for projected future conditions):

11 12 13 14 15 16	•	A historical water budget evaluates availability or reliability of past surface water supplies and aquifer response to water supply and demand trends relative to water year type. The historical water budget was calculated for the 1990 through 2015 period, which was found to be reasonably representative of the long-term average conditions in the Subbasin. The historical water budget supports understanding of past groundwater conditions, considering surface water and groundwater supplies utilized to meet water demands.
17 18 19 20 21	•	A current water budget establishes potential future baseline conditions under the assumptions of current land use and water supplies and historical hydrology. Current land use and water supplies are based on observed conditions in 2013 and 2015, representing Shasta Non-Critical and Shasta Critical years, respectively ⁴ . Historical hydrology from 1966 through 2015 was used to represent an analysis period from 2016 through 2065.
22 23 24 25 26 27	•	Future water budgets establish potential future baseline conditions under different scenarios defined by different climate conditions. Three scenarios were developed: baseline without climate change, with 2030 climate change, and with 2070 climate change. The climate change scenarios correspond to the Central Tendency (CT) climate projections. These future water budgets are based on current land use over the same 50-year (1966 through 2015) historical hydrology as was used in the current water budget.
28	Table ES-1	summarizes the assumptions used in developing the water budgets.

29

⁴ Because surface water supplies are curtailed in Shasta Critical years, the irrigated area and therefore water demands and use are less than in Shasta Non-Critical years.

Table ES-1. Summary of Water Budget Assumptions											
Water Budget	Analysis Period	Hydrology	Land Use	Water Supplies							
Historical Simulation	1990-2015	Historical	Historical	Historical							
Current Conditions Baseline	2016-2065	Historical (1966-2015)	Current (2013 and 2015) used for Shasta Non-Critical and Shasta Critical, respectively	Current (2013 and 2015) used for Shasta Non-Critical and Shasta Critical, respectively, for water diversions; 2006-2015 average for urban demands							
Future Conditions, No Climate Change Baseline	2016-2065	Historical (1966-2015)	Current (2013 and 2015) used for Shasta Non-Critical and Shasta Critical, respectively	Current (2013 and 2015) used for Shasta Non-Critical and Shasta Critical, respectively, for water diversions; 2006-2015 average for urban demands							
Future Conditions, 2030 Climate Change Baseline	2016-2065	Historical (1966-2015), adjusted based on 2030 climate change with central tendency	Current (2013 and 2015) used for Shasta Non-Critical and Shasta Critical, respectively	Same as Current (see above), adjusted for 2030 climate change							
Future Conditions, 2070 Climate Change Baseline	2016-2065	Historical (1966-2015), adjusted based on 2070 climate change with central tendency	Current (2013 and 2015) used for Shasta Non-Critical and Shasta Critical, respectively	Same as Current (see above), adjusted for 2070 climate change							

1

2

- 1 Average annual water budget estimates for the historical water budgets and for the current and projected
- 2 future water budget scenarios are summarized in Table ES-2 for the groundwater system. Volumes are
- 3 reported in units of thousand af per year (taf/yr). It is anticipated that the water budgets will be refined
- 4 and updated over time as part of GSP implementation.

Table ES-2. Average Annual Groundwater System Inflows, Outflows, and Changes in Storage in taf/yr								
Component	Historical Simulation	Current Conditions Baseline	Future Conditions, No Climate Change Baseline	Future Conditions, 2030 Climate Change Baseline ^(a)	Future Conditions, 2070 Climate Change Baseline ^(a)			
Inflows ^(b)								
Subsurface Water Inflows	200	203	203	205	209			
Deep Percolation	441	416	415	415	411			
Precipitation	174	162	162	160	156			
Applied Surface Water	196	162	162	161	158			
Applied Groundwater	72	92	91	94	97			
Seepage	345	379	379	387	401			
Streams	206	231	231	239	253			
Canals and Drains	139	148	148	148	148			
Total Inflow	986	997	997	1,008	1,021			
Outflows								
Subsurface Water Outflows	146	149	149	148	147			
Groundwater Pumping	502	499	499	525	559			
Agricultural	463	458	458	484	516			
Urban and Industrial	11	11	10	10	10			
Managed Wetlands	28	30	30	31	32			
Stream Gains from Groundwater (Stream Accretions)	366	349	349	337	323			
Total Outflow	1,014	997	996	1,011	1,028			
Change in Storage (Inflow - Outflow)	-28	1	1	-3	-7			

(a) Central Tendency Climate Change Projections.

(b) Sacramento River Diversions and Stony Creek Diversions are diversions from boundary streams outside the Subbasin. About 20 percent of the total diversions come from streams within the Subbasin and are included in the Sacramento River Inflow.

5

6 GSP regulations require the water budget to quantify the sustainable yield for the Subbasin. Sustainable 7 yield is dependent upon conditions in existence at the time, and therefore changes during the 8 implementation period as projects are completed and climate conditions change. Provisional estimates of 9 sustainable yield have been calculated from water budget parameters for each scenario as the long-term 10 annual average groundwater pumping, minus the average annual decrease in groundwater storage. Using 11 this approach, the Subbasin is estimated to have a sustainable yield between 500,000 af and 550,000 af 12 per year.
1 MONITORING NETWORKS (GSP CHAPTER 4)

2 Chapter 4 of the GSP documents the Subbasin monitoring networks. Monitoring networks are required to

better understand and evaluate changing conditions within the groundwater, surface water, and land
 surface systems.

5 To optimize data collection and analysis, the networks need to be easily accessible, spatially and 6 temporally relatable to other monitoring networks, sufficient for demonstrating spatial and temporal 7 trends, and representative of actual conditions. Four monitoring networks meeting these standards are 8 defined for the Subbasin:

- 9 1. Groundwater Level Monitoring Network
- 10 2. Groundwater Quality Monitoring Network
- 11 3. Land Subsidence Monitoring Network
- 12 4. Surface Water Monitoring Network
- 13 The data collection objectives for the monitoring networks are to characterize:
- Groundwater levels, availability, and flow characteristics, including changes in groundwater storage;
- Groundwater quality;
- 17 Extent and rate of land subsidence; and
- Surface water availability and interactions with groundwater, including impacts to native
 riparian land and groundwater dependent ecosystems (GDEs).
- 20 Data gaps were identified within all of the monitoring networks, and recommended actions are provided

21 in Chapters 4 and 7. Annual reports and future revisions to the GSP will provide updates on actions taken

22 to address data gaps in the monitoring networks over the reporting period.

23 **Representative Monitoring Networks**

Representative monitoring networks (RMN) were designated as subsets of the Subbasin monitoring networks. Per 23 CCR §354.36, "Each Agency may designate a subset of monitoring sites as representative of conditions in the basin or an area of the basin..." to evaluate or monitor for sustainability indicators. Representative monitoring locations were designated to evaluate undesirable results due to chronic lowering of groundwater levels, reduction of groundwater storage, degraded water quality, inelastic land subsidence, and depletions of interconnected surface water.

Per DWR's Sustainability Management Criteria Best Management Practice document (BMP), the sustainable management criteria for groundwater levels may be used as a proxy for sustainability indicators that have a significant, demonstrated correlation to groundwater levels. As documented in Chapters 3 and 5 and their supporting technical appendices, reduction of groundwater storage and depletions of interconnected surface water are significantly correlated to groundwater levels in the Subbasin, and therefore those

35 sustainability indicators utilize groundwater levels as a proxy.

- 1 In addition to data collected using the RMNs, the GSAs will use data collected using the monitoring
- 2 networks described in the following sections to evaluate groundwater conditions in the Subbasin. The
- 3 monitoring networks will be periodically reviewed and modified as needed.
- 4 The following subsections provide a summary of each of the Subbasin monitoring networks and the
- 5 RMNs used to assess groundwater conditions relative to the five sustainability indicators applicable to the Subbasin.
- 6

Groundwater Level Monitoring Network 7

8 The Subbasin groundwater level monitoring network is based on the existing groundwater monitoring 9 networks of Colusa and Glenn Counties. There are 104 completions in 48 wells in the Subbasin 10 groundwater level monitoring network. All of these wells are currently included in the California's 11 Statewide Groundwater Elevation Monitoring Program (CASGEM) database.

12 Groundwater level monitoring network requirements documented in the DWR's Monitoring Network 13 BMP and 23 CCR §354.34 were used to evaluate the groundwater monitoring wells in the Subbasin groundwater monitoring network. These requirements are addressed under the following categories: 14

- 15 **Known Construction Characteristics** •
- **Nested Multiple Completion Wells** 16 ٠
- 17 • Non-Dedicated Monitoring Wells
- Proximity to Streams and Interconnected Surface Waters 18 •
- 19 Lateral and Vertical Density ٠
- 20 Accessibility and Usability •
- 21 Data gaps within the groundwater monitoring network were evaluated for all criteria and categorized 22 as follows:
- 23 • Usability of the monitoring site due to:
- Wells screened across multiple water-bearing units and principal aquifer 24
- 25 • Spatial distribution of monitoring sites with regard to:
- Presence near a surface water body 26
- 27 Lateral and vertical extent of coverage
- 28 — Areas and depths with known groundwater level decline.
- 29 Recommended actions to address the data gaps include the addition of existing wells or the construction
- 30 of new wells to add to the monitoring network. Field studies or surveys are recommended to verify well
- 31 conditions and construction, and to identify wells to include in the network.
- 32 The RMN for chronic lowering of groundwater levels and reduction of groundwater storage sustainability
- 33 indicators consists of one completion from each of the 48 wells in the groundwater monitoring network.

1 Groundwater Quality Monitoring Network

Existing regulatory programs address most water quality concerns in the Subbasin, and the CGA and GGA
 will coordinate with these programs, the lead regulatory agencies, and the regulated community during
 implementation of this GSP, including during development and implementation of PMAs.

5 The State Water Resources Control Board (SWRCB) and the Central Valley Regional Water Quality Control 6 Board (CVRWQCB) regulate point and nonpoint source discharges to land that have potential to impact 7 groundwater quality under a range of policy and regulatory programs, including the Basin Plan 8 Amendment for the Salt and Nitrate Control Program, and the Irrigated Lands Regulatory Program (ILRP). 9 The California Department of Toxic Substance Control regulates releases of toxic substances, including

- 10 those that impact groundwater quality.
- 11 The California Safe Drinking Water Act addresses the regulation and control of public water systems in the
- 12 State of California, including enforcing provisions of the federal Safe Drinking Water Act. The SWRCB
- 13 Division of Drinking Water (DDW) is the lead agency responsible for enforcement in Colusa and Glenn
- 14 Counties, including the entire Subbasin.
- 15 The CGA and GGA will rely on existing monitoring and reporting carried out by the regulated community
- 16 within the Subbasin when and where possible to address water quality concerns. The CGA and GGA will
- 17 conduct supplemental water quality monitoring using existing wells or new monitoring wells constructed
- 18 for that purpose when and where necessary to fill data gaps and to develop and implement PMAs.
- 19 Groundwater quality in the Subbasin is generally good, with local exceedances of water quality objectives
- 20 for some constituents. The sole groundwater quality concern not addressed by the existing groundwater
- 21 quality regulatory programs is mobilization of saline water from deeper parts of the aquifer along faults,
- 22 other geologic structures, or other naturally-occurring zones with high salinity as a result of GSP PMAs
- and other groundwater development.
- Groundwater quality monitoring network locations for the Subbasin consist of wells identified and currently being monitored for salinity (i.e., total dissolved solids or electrical conductivity) under the ILRP and public drinking water supply systems regulated by DDW. The Subbasin groundwater quality monitoring network includes 54 monitoring sites.
- The GSAs will coordinate and collaborate with other agencies regarding their monitoring programs, including changes to monitoring sites, monitoring protocols or frequencies, and management actions.
- 30 Data gaps within the groundwater quality monitoring network were identified with regard to sampling
- frequency and spatial or vertical coverage in areas of concern.
- 32 The RMN for the degraded water quality sustainability indicator consists of 25 monitoring sites to monitor
- 33 for groundwater quality degradation due to mobilization of brackish or saline groundwater.

1 Land Subsidence Monitoring Network

2 The Subbasin land subsidence monitoring network is comprised of benchmarks, continuous global 3 positioning system (GPS) stations, extensometers, and remote sensing data. The land subsidence 4 monitoring network sites and remote sensing programs are managed and monitored through the 5 following agencies and programs.

- 6 California DWR Ground Surface Displacement Land Subsidence Monitoring Program
- 7 Includes five extensometers located in or within five miles of the Subbasin.
- 8 University NAVSTAR Consortium (UNAVCO) Plate Boundary Observatory GPS/GNSS Network
- 9 Includes five continuous GPS stations.
- 10 Sacramento Valley Height Modernization Project
- 11 Includes 76 benchmarks locations in or within five miles of the Subbasin.
- 12 InSAR Remote Sensing
- 13 Includes studies and evaluations conducted by assorted federal and international agencies.

Inelastic land subsidence within the Subbasin is monitored at 63 sites in DWR's Sacramento ValleySubsidence Monitoring Benchmark Network.

Data gaps include insufficient benchmark density and insufficient frequency of measurements in the Sacramento Valley Subsidence Monitoring Benchmark Network. Additional benchmarks, continuous GPS stations and extensometers should be installed in areas with known or suspected subsidence, and the Sacramento Valley Subsidence Monitoring Benchmark Network should be resurveyed at least once every five years.

The RMN for land subsidence consists of the 63 Sacramento Valley Height Modernization Project benchmarks within the Subbasin. The benchmarks are evenly distributed throughout the Subbasin, including in areas with known land subsidence.

24 Surface Water Monitoring Network

Surface water monitoring is necessary for evaluating stream-aquifer relations. Comparing stream flows and stages with groundwater levels from specific monitoring wells can provide insight into how surface waters are interconnected with the groundwater system. The surface water monitoring network includes stream gages on rivers, streams, and canals. All of the stream gages included in the surface water monitoring network are managed and monitored via existing federal and state programs.

- 30 Data collected from the surface water monitoring network will be used to:
- Characterize flow conditions including surface water discharge, stage, and baseflows.
 Identify locations and flow periods of ephemeral and intermittent stream channels, if any. The DWR Monitoring Network BMP states that monitoring of ephemeral or intermittent streams should be conducted annually or as appropriate to characterize flow changes.
 Identify temporal trends due to localized, regional, and seasonal surface water discharge and groundwater extraction effects.

2	• Identify and conect information necessary to evaluate adverse effects to the beneficial use of surface water.
3 4 5	 Support evaluation of stream-aquifer interactions, including effects on surface water supplies due to changes in groundwater levels and effects on native riparian or groundwater dependent ecosystems.
6 7 8 9 10 11	There are 15 active stream gages in the Subbasin surface water monitoring network. The Subbasin surface water monitoring network was established using the best available data and science to identify, assess, and select existing monitor wells and stream gages meeting these requirements. However, significant data gaps exist, which need to be addressed during implementation of this GSP. Until these data gaps are filled, groundwater levels measured in selected wells are being used as a proxy for measurement of the volume and rates of depletions in interconnected surface waters.

Identify and collect information necessary to evaluate adverse effects to the heneficial use

12 The RMN for the depletions of interconnected surface waters sustainability indicator consists of 12 13 shallow wells from the groundwater level monitoring network meeting the following criteria:

Constructed to a maximum depth of 200 feet.
Located more than 2,000 feet and less than five miles from the interconnected surface water feature.

SUSTAINABLE MANAGEMENT CRITERIA (GSP CHAPTER 5)

18 Sustainable management criteria encompass several important components of GSP development, 19 including a Subbasin sustainability goal that qualitatively describes the overall objectives of the GSP and 20 desired conditions for the Subbasin, and undesirable results statements for each of the five sustainability 21 indicators applicable to the Subbasin. For each of the applicable sustainability indicators, undesirable 22 results occur when groundwater conditions cause significant and unreasonable effects on the beneficial 23 uses and users of groundwater in the Subbasin. The Subbasin will be managed to achieve the sustainability 24 goal and to avoid undesirable results, as consistent with the sustainable management criteria established 25 for each sustainability indicator. Sustainable management criteria include measurable objectives (targets 26 for management), interim milestones (evaluation points over time), and minimum thresholds (the point 27 beyond which undesirable results could occur for a sustainability indicator).

28 Sustainability Goal

- 29 The sustainability goal for the Subbasin is:
- 30 ...to maintain, through a cooperative and partnered approach, locally managed
- 31 sustainable groundwater resources to preserve and enhance the economic viability,
- 32 social well-being and culture of all Beneficial Uses and Users, without experiencing
- 33 *undesirable results.*

This goal was created through collaborative, public discussions and evaluation of historical, current, and
 projected future Subbasin conditions identified in the basin setting (Chapter 3), in alignment with the

3 requirements of §354.24. Through implementation of planned monitoring, projects, management actions,

4 and studies identified in this GSP, the Subbasin will be managed to its sustainability goal to avoid

5 undesirable results for each applicable sustainability indicator.

6 Sustainability Indicators

7 The GSP regulations define undesirable results as occurring when significant and unreasonable effects are 8 caused by groundwater conditions occurring for a given sustainability indicator. Significant and 9 unreasonable effects occur when minimum thresholds are exceeded for one or more sustainability 10 indicators. A summary of the sustainable management minimum thresholds, measurable objectives and

11 undesirable results is provided in Table ES-3.

12 Undesirable results occur when significant and unreasonable effects to any of the six sustainability 13 indicators defined by SGMA, five of which are applicable to the Subbasin, are caused by groundwater 14 conditions occurring throughout the Subbasin. The overarching sustainability goal and the absence of undesirable results are expected to be achieved by 2042 through implementation of PMAs. The 15 16 sustainability goal will be maintained through proactive monitoring and management by the GSAs. 17 Table ES-4 summarizes whether, for each of the six sustainability indicators, undesirable results have 18 occurred, are occurring, or are expected to occur in the future in the Subbasin without and with GSP 19 implementation.

Table ES-3. Summary of Minimum Thresholds, Measurable Objectives, and Undesirable Results							
Sustainability Indicator	Monitoring Network	Undesirable Result	Minimum Threshold (MT)	Measurable Objective (MO)			
Chronic Lowering of Groundwater Levels	48 Representative Monitoring Network (RMN) wells monitored at least 2 to 3 times annually by DWR	25% (12 of 48) RMN wells fall continuously below their MT 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 RMN well's Thiessen polygon, subject to interbasin coordination and consistency to ensure operational compatibility	Mean of the most recent 5 years of available groundwater elevation measurements up to 2020 subject to interbasin coordination and consistency to ensure operational compatibility; A fixed value, not a rolling average			
Reduction in Groundwater Storage	48 RMN wells monitored at least 2 to 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			
Seawater Intrusion	Not applicable	Not applicable	Not applicable	Not applicable			
Degraded Groundwater Quality	25 RMN wells monitored by others at variable intervals under existing State of California regulatory programs	Electrical conductivity (EC) in 25% (6 of 23) of the RMN wells exceeds the MT for two (2) consecutive years	The higher of EC of 900 microSiemens per centimeter (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 Subbasin)			
Land Subsidence	Existing Sacramento Valley Height Modernization Project (SVHMP) benchmarks (63 sites)	20% or more (13 of 63) monitoring sites (benchmarks) experience subsidence rates above the MT	0.5 feet per five years	0.25 feet per five years			
Depletions of Interconnected Surface Waters	12 RMN wells less than 200 feet deep and between 2,000 feet and five miles of interconnected stream (Sacramento River, Colusa Drain, Stony Creek)	25% (3 of 12) RMN wells fall below their MT for 24 consecutive months	Ten (10) 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 interbasin coordination and consistency to ensure operational compatibility; A fixed value, not a rolling average			

Table ES-4. Summary of Undesirable Results Applicable to the Plan Area						
Sustainability Indicator	Historical Period	Existing Conditions	Future Conditions without GSP Implementation	Future Conditions with GSP Implementation (after 2040)		
Chronic Lowering of Groundwater Levels ^(a)	No	No	No	No		
Reduction of Groundwater Storage	No	No	No	No		
Land Subsidence ^(b)	No	No	Possible	No		
Seawater Intrusion	Not Applicable	Not Applicable	Not Applicable	Not Applicable		
Degraded Water Quality	No	No	No	No		
Depletion of Interconnected Surface Water	No	No	No	No		

(a) Groundwater levels have declined in response to generally dry conditions after 2006, leading to localized cones of depression in the Orland-Artois area of Glenn County and the Arbuckle area of Colusa County. Dry wells have been reported in both counties during the 2014 and 2021 droughts. As described in Chapter 7, interagency drought task forces are responding to the drought emergency in both counties. These local efforts, which are coordinated with state and federal agencies, are expected to address short-term needs, and undesirable results requiring state intervention are not expected to be triggered.

(b) Historical rates of inelastic land subsidence have exceeded measurable objectives and minimum thresholds at some locations in the Subbasin but have not triggered undesirable results. Undesirable results are expected to be avoided through implementation of the GSP and associated PMAs.

1

2 Chronic Lowering of Groundwater Levels

An undesirable result for chronic lowering of groundwater levels in the Subbasin is experienced if sustained groundwater levels are too low to reasonably satisfy beneficial uses within the Subbasin over the planning and implementation horizon of this GSP. Undesirable results for the chronic lowering of groundwater levels have not occurred historically and are not currently occurring. The projected Subbasin water budget finds that these effects are not likely to occur under future scenarios, including under projected climate change.

9 Minimum thresholds for the chronic lowering of groundwater levels were developed primarily by 10 considering historical and current groundwater conditions, with lesser emphasis on projected future 11 groundwater conditions. The minimum threshold for each groundwater level representative monitoring well (48 in total) is calculated by the deeper of the 20th percentile of the shallowest domestic well depths 12 in each monitoring well's Thiessen polygon or the 50 percent of range below the historical low 13 groundwater elevation. The minimum threshold is calculated as the 20th percentile of the shallowest 14 15 domestic well depths at a majority of sites (35 sites). The minimum thresholds align with the State's 16 Human Right to Water policy by supporting the ability of drinking water beneficial users, including DACs, 17 SDACs and Tribes, to access safe, clean, and affordable water for human consumption, cooking, and 18 sanitary purposes.

19 *Reduction of Groundwater Storage*

An undesirable result for the reduction of groundwater storage is experienced if storage volumes are insufficient to reasonably satisfy beneficial uses within the Subbasin over the planning and

implementation horizon of this GSP. This GSP uses groundwater level minimum thresholds as a proxy for

1 the reduction of groundwater storage sustainability indicator. Undesirable results related to groundwater

2 storage have not occurred historically and are not currently occurring. The projected Subbasin water

3 budget finds that these effects are not likely to occur under future scenarios, including under projected

- 4 climate change.
- 5 Monitoring for a reduction of groundwater storage in the Subbasin uses groundwater levels as a proxy for
- 6 determining sustainability, as permitted by 23 CCR §354.28(d). Minimum thresholds are defined using the

7 groundwater levels criteria. Benefits to groundwater storage are expected to coincide with groundwater

8 level management.

9 Seawater Intrusion

10 Seawater intrusion is not an applicable sustainability indicator because seawater intrusion is not present

- and is not likely to occur in the Subbasin due to the distances between the Subbasin and the Pacific Ocean,
- 12 bays, deltas, or inlets ranging from about 30 to 60 miles.

13 Inelastic Land Subsidence

An undesirable result is experienced if groundwater withdrawal causes inelastic land subsidence that substantially interferes with the condition or functionality of critical infrastructure (e.g., roads, canals,

16 pipelines) within the Subbasin over the planning and implementation horizon of this GSP. The thresholds

- 17 set for inelastic land subsidence have been established so that when 20 percent of representative
- 18 monitoring locations (i.e., 13 of 63 locations) exceed their minimum thresholds, an undesirable result is
- 19 detected.
- 20 The minimum threshold for this sustainability indicator has been set at 0.5 feet per five years (6 inches),
- 21 which was determined through review of historical subsidence conditions between 2008 and 2017 using
- 22 data from DWR's Sacramento Valley Height Modernization Project.

23 Degraded Water Quality

24 An undesirable result for degraded water quality in the Subbasin is experienced if, as the result of PMAs 25 implemented under the GSP or other groundwater development (such as groundwater extraction or 26 groundwater recharge), groundwater quality for regulated constituents is degraded to levels exceeding 27 historical levels existing prior to January 1, 2015, or applicable water quality objectives, including drinking 28 water standards, whichever are greater over the planning and implementation horizon of this GSP. 29 Existing regulatory programs address most water guality concerns, and the CGA and GGA will coordinate 30 with these programs, the lead regulatory agencies, and the regulated community within the Subbasin 31 during implementation of this GSP, including during development and implementation of PMAs.

32 The minimum threshold for degraded water quality has been established as the higher of either 900 microSiemens per centimeter (μ S/cm) EC, which is consistent with the recommended California 33 34 Secondary Maximum Contaminant Level (SMCL), or the pre-2015 historical maximum recorded EC value. 35 In developing the minimum thresholds for groundwater quality, beneficial uses of groundwater as a 36 drinking water supply and as an agricultural supply were considered. Setting minimum thresholds using 37 this methodology is protective of beneficial users and uses of groundwater, including agricultural, 38 municipal, and domestic uses in the Subbasin. The minimum threshold for degraded water quality is 39 calculated to be at an EC level that allows for adequate flexibility within the pre-2015 historical maximum 40 EC level, to compensate for changing groundwater conditions during drought periods, while protecting 41 SMCLs established for aesthetic reasons, such as taste, odor, and color.

The minimum threshold aligns with the State's Human Right to Water policy by supporting the ability of drinking water beneficial users, including DACs, SDACs and Tribes, to access safe, clean, and affordable water for human consumption, cooking, and sanitary purposes.

4 Depletion of Interconnected Surface Water

5 An undesirable result for depletions of interconnected surface water is experienced if significant and 6 unreasonable effects to stream flows, significant and unreasonable effects to riparian and riverine habitat, 7 and significant and unreasonable effects to groundwater dependent ecosystems (GDEs) occur. This GSP 8 uses minimum thresholds based on groundwater levels as a proxy for the depletion of interconnected 9 surface water indicator. It is necessary to use groundwater levels as a proxy due to the surface water 10 monitoring network being inadequate to monitor effects of groundwater on surface water flows. This is 11 discussed in more detail in Chapter 5. The undesirable result for depletions of interconnected surface 12 water is considered to occur during GSP implementation when 25 percent of representative monitoring 13 wells (i.e., 3 of 12 wells) fall below their minimum groundwater elevation thresholds for 24 consecutive 14 months. The three wells must be the same subset of wells, not any combination of three wells. These 15 criteria were determined based on the evaluation of best available data pertaining to the Subbasin's 16 specific conditions and characteristics, as described in the Plan Area and Groundwater Conditions sections 17 of this GSP, in conjunction with input and feedback from the public, local stakeholders and GSA members. 18 The minimum thresholds set for managing depletions of interconnected surface water differ from the 19 minimum thresholds set for managing chronic lowering of groundwater levels. Minimum thresholds for

20 depletions of interconnected surface waters were determined based on evaluation of historical data from 21 the monitoring network for interconnected surface water, which is composed of 12 monitoring wells no 22 deeper than 200 feet located between 2,000 feet and five miles of interconnected streams in the 23 Subbasin. The minimum thresholds set at these sites for assessing impacts to interconnected surface waters were calculated by finding the groundwater elevations in Fall of 2015 and adding 10 feet to that 24 25 depth. Measurements selected for Fall 2015 were found by selecting measurements closest to October 26 15, 2015, considered to the be period of lowest groundwater elevations during the last drought based on 27 review of historical groundwater levels and hydrologic data. The minimum threshold was selected such 28 that groundwater levels near interconnected surface water courses would be protective of the beneficial 29 use of shallower groundwater near streams and rivers, including those of shallower domestic users and 30 potential groundwater dependent ecosystems. Levels from Fall 2015 represent conditions during a 31 drought period but are generally believed to have still protected beneficial users at that time and 32 therefore avoid undesirable results. The addition of 10 feet to the Fall 2015 groundwater depth to water 33 is intended to provide an appropriate margin of operational flexibility in the future during GSP 34 implementation based on recommendations made through discussion with the GSAs and stakeholders.

PROJECT AND MANAGEMENT ACTIONS (GSP CHAPTER 6)

The overarching sustainability goal and the absence of undesirable results are expected to be achieved by 2042 through implementation of PMAs. PMAs were formulated primarily to address possible future changes in Subbasin conditions that could cause undesirable results over the long term, and in the near term, to address effects of recent historical (2014-2015) and current (2020-2021) drought conditions that pose challenges to groundwater management in the northwest and southwest portions of the Subbasin respectively.

PMA development and implementation in the Subbasin applies an adaptive management approach informed by continued monitoring of groundwater conditions using the monitoring networks. Recognizing the GSP data gaps and uncertainties in the basin setting (per 23 CCR §354.44(d)), and recognizing known areas with declining groundwater levels, the adaptive management approach in the Subbasin includes:

- Planned PMAs that are expected to be implemented primarily to address current, localized declining groundwater levels in the Orland and Arbuckle areas. At full implementation,
 planned PMAs are expected to provide more than 80 taf/yr in combined gross average annual benefits that will offset groundwater pumping and support groundwater
 sustainability in the Subbasin.
- A portfolio of other ongoing and potential PMAs to achieve and maintain long-term
 sustainable groundwater management across the Subbasin, which will be implemented if
 established measurable objectives cannot be maintained and minimum thresholds are
 being approached.

14 Development of PMAs was informed by an evaluation of possible future changes in Subbasin conditions 15 through comparison of the projected future water budget conditions without climate change and 16 projected future water budget conditions adjusted by 2070 CT climate change factors. The aggregate 17 changes in groundwater storage, 0.8 percent, and net stream accretion, 0.5 percent, across the Subbasin 18 without PMAs are considered to be within standard modeling error for this type of analysis. However, 19 there are localized declining groundwater levels that have occurred over the past 15 to 20 years in the 20 northwest and southwest portions of the Subbasin near the cities of Orland and Arbuckle, respectively. 21 Water budget analyses suggest that groundwater level decline in these areas is due primarily to drought. 22 A series of mostly dry years beginning in about 2007 has resulted in increased irrigation demands, 23 curtailments of Central Valley Project surface water supplies, and consequent increases in groundwater 24 pumping in these areas. Similar dynamics exist in the Orland area, compounded by recent expansion of 25 irrigated agriculture into previously undeveloped lands that rely on groundwater supplies only. Localized 26 effects of declining groundwater levels include stranding of shallow domestic and irrigation wells and 27 increased rates of land subsidence, raising concerns both locally and more broadly within the Subbasin 28 that mitigation actions should be taken as soon as possible.

PMAs described in this GSP are expected to manage the balance of groundwater extractions and recharge to ensure that lowering of groundwater levels or depletion of supply during periods of drought is offset by increases in groundwater levels or storage in other years. In particular, PMAs that provide in-lieu and direct recharge benefits in the Orland and Arbuckle areas are planned to increase the use and recharge of available surface water supplies during wetter years, offsetting any potential increases in groundwater pumping during drought when curtailments of surface water supplies may occur.

PMAs are classified according to implementation status. Planned PMAs are those that will support sustainable groundwater management in the Subbasin over the GSP implementation period, and in the nearer-term will help to mitigate historical and current drought effects. Ongoing PMAs are those that have already been implemented and support groundwater management. Potential PMAs are a suite of options available to the GSAs if future monitoring indicates the need for such actions. Table ES-5 summarizes the planned PMAs for the Subbasin. The average annual gross benefit of these PMAs at full implementation is 84,000 af per year.

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Table ES-5. Summary of Planned PMAs						
Project	Project Type	Proponent	Year Implemented	Estimated Capital / Establishment Cost, \$ (thousands) ^(a)	Gross Average Annual Benefit, taf/yr	
Colusa County Water District (CCWD) In-Lieu Groundwater Recharge	In-Lieu GW ^(b) Recharge	CCWD	2021	\$100	27	
Colusa Drain MWC (CDMWC) In-Lieu Groundwater Recharge	In-Lieu GW Recharge	CDMWC	2021	\$100	28	
Colusa Subbasin Multi-Benefit Recharge	Direct GW Recharge	CGA, GGA, and TNC ^(c)	2021	\$4 per site	5.2	
Orland-Artois Water District (OAWD) Land Annexation and In-Lieu Groundwater Recharge	Direct and In-Lieu GW Recharge	OAWD	2020	\$20,000	23	
Sycamore Slough Groundwater Recharge Pilot Project	Direct GW Recharge	Landowner	2021	\$28	0.5 ^(d)	
(a) Annual costs are summarized in the "Project Costs" sections of the project descriptions, below.						

(b) GW = Groundwater

(c) TNC = The Nature Conservancy

(d) Project goal is to recharge 5 taf over 10 years.

1

2 PLAN IMPLEMENTATION (GSP CHAPTER 7)

The estimated average annual cost of implementing the GSP increases from approximately \$1.5 million to about \$9.5 million per year by 2027 (including annualized capital costs). Implementation costs are summarized across four categories:

- 6 One-Time Capital Costs and Studies. These include capital costs that are not debt financed • 7 and studies to support GSP and PMA implementation. Studies include updates to the HCM 8 to support required annual and five-year reports for DWR as well as other planning studies 9 to support GSP implementation. To expand monitoring network data and evaluate Subbasin conditions more comprehensively, 15 GSP studies will be conducted. These include various 10 11 planning, technical, and economic/fiscal studies that will aid in implementing PMAs and the 12 monitoring of sustainability indicators outlined in Chapter 5. The studies are described in 13 Chapter 7.
- Debt-Financed Capital. This includes capital costs that would likely be debt-financed. There
 is only one planned PMA that may be debt-financed, the OAWD land annexation project.
 GSP implementation costs shown below correspond to the annual debt service payment,
 not the total capital cost. Project proponents are concurrently working to refine estimated
 project costs

1 2 3	•	PMA Operations and Maintenance . This includes annual expenses for the operation of planned PMAs, for example, annual water supply purchases for within-subbasin transfers to support in-lieu recharge.
4	•	GSA Administration. These costs include operating expenses such as administration of the
5		GSP, plan development, legal services, and communications for GSA staff and its technical
6		advisers. This also includes costs for annual reporting and preparation of five-year
7		assessments that must be submitted to DWR.

8 Table ES-6 summarizes the estimated annual expenses for each of these cost categories. The GSAs will

9 continually evaluate GSP implementation progress and reassess the implementation plan and

10 associated costs.

Table ES-6. Summary of Estimated Total GSP Implementation Costs							
Cost Category	2022	2023	2024	2025	2026	2027+	
Other Capital/Studies	\$556,000	\$1,120,000	\$685,000	\$460,000	\$460,000	\$630,000	
Debt-Financed PMA Capital Repayment	-	\$1,020,000	\$1,020,000	\$1,020,000	\$1,020,000	\$1,020,000	
PMA O&M	-	\$4,033,000	\$6,675,000	\$6,675,000	\$6,675,000	\$6,675,000	
GSA Admin/Studies	\$914,700	\$987,900	\$968,200	\$968,200	\$968,200	\$1,148,200	
Total	\$1,470,700	\$7,160,900	\$9,348,200	\$9,123,200	\$9,123,200	\$9,473,200	

11

Development of this GSP was funded through a Proposition 1 Grant, and contributions from individual GSAs (e.g., through in-kind staff time, or separately contracted consulting services). Each GSA is also funding additional, ancillary studies and implementation efforts. To fund GSA operations and GSP implementation, the GSAs are developing a financing plan that will include one or more of the following financing approaches:

17 Grants and low-interest loans. GSAs will continue to pursue grants and low interest loans to 18 help fund planning studies and other GSA activities. However, grants and low-interest loans 19 are not expected to cover most GSA operating costs for GSP implementation. 20 **Other fees and charges.** Other fees may include permitting fees for new wells or 21 development, transaction fees associated with contemplated groundwater markets, or 22 commodity-based fees, all directed at aiding with sustainability objectives. Depending on 23 the justification and basis for a fee, it may be considered a property-related fee subject to voting requirements of Article XIII D of the California Constitution (passed by voters in 1996 24 25 as Proposition 218). 26 Assessments. Special benefit assessments under Proposition 218 could include a per-acre 27 (or per parcel) charge to cover GSA costs. This could also include per acre-foot assessments, 28 or a hybrid approach. 29 • Taxes. This could include general property related taxes that are not directly related to the benefits or costs of a service (ad valorem and parcel taxes), or special taxes imposed for 30 31 specific purposes related to GSA activities.

1 The GSAs are pursuing a combined approach, targeting available grants and low interest loans, and

2 considering a combination of fees and assessments to cover operating and program-specific costs. As

3 required by statute and the Constitution, GSAs would complete a rate study and other analysis to

4 document and justify any rate, fee, or assessment. GGA and CGA activities are currently supported under

5 assessments associated with a rate study that runs through 2024.

6 The GSP implementation schedule allows time for GSAs to develop and implement PMAs and meets all 7 sustainability objectives by 2042. While some sustainability projects began immediately after SGMA 8 became law and are already contributing to Subbasin goals, the GSAs will begin implementing other GSP 9 activities in 2022, with full implementation of PMAs to achieve sustainability by 2042. Figure ES-4 10 illustrates the GSP implementation schedule for PMAs implemented by each GSA. The GSP 11 implementation schedule also shows mandatory reporting and updating for all GSAs, including annual 12 reports and five-year periodic updates (evaluations) prepared and submitted to DWR.

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	х																				
Memorandum of Understanding	х																				
Annual Reports	х	х	х	х	х		x	х	x	х		х	х	х	х		х	х	x	х	
Five-Year Periodic Evaluation						x					х					х					х
Outreach and Communication																					
Monitoring and DMS																					
GSP Studies																					
Planned Projects and Management Action	าร																				
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 Planning and Development Implementation Ongoing Activity	X																				

Figure ES-4. Colusa Subbasin Implementation Schedule

May 14, 2018

Monica Reis, Senior Engineer SGM Executive Division California Department of Water Resources 901 P Street, Room 313B Sacramento, CA 95814

Re: Notification of Intent to Develop a Groundwater Sustainability Plan for the Colusa Subbasin

To Whom It May Concern;

Pursuant to California Water Code Section 10727.8, the Colusa Groundwater Authority and the Glenn Groundwater Authority hereby give notice that they intend to work together to develop a Groundwater Sustainability Plan for the Colusa Subbasin (5-021.52) of the Sacramento Valley Groundwater Basin.

The Colusa Groundwater Authority and the Glenn Groundwater Authority (Authorities) are exclusive Groundwater Sustainability Agencies covering the entire geographic extent of the Colusa Subbasin.

The Colusa Groundwater Authority is the exclusive Groundwater Sustainability Agency for the portions of the Colusa Subbasin within Colusa County. The Authority is comprised of twelve Director seats made up of the following entities:

County of Colusa, City of Colusa, City of Williams, Colusa County Water District, Maxwell Irrigation District and Westside Water District (one seat), Princeton-Codora-Glenn Irrigation District and Provident Irrigation District (one seat), Glenn-Colusa Irrigation District, Reclamation District 108, Reclamation District 479, Colusa Drain Mutual Water Company, and two Private Pumper representatives selected from the Colusa County Groundwater Commission and appointed by the Board of Supervisors.

The Glenn Groundwater Authority is the exclusive Groundwater Sustainability Agency for the portions of the Colusa Subbasin within Glenn County. The Authority is comprised of eight Director seats made up of the following entities:

County of Glenn, City of Willows, City of Orland, Glenn-Colusa Irrigation District, Princeton-Codora-Glenn Irrigation District and Provident Irrigation District (one seat), Glide Water District, Kanawha Water District, and Orland-Artois Water District.

The Authorities intend to work together to develop a single Groundwater Sustainability Plan for the Colusa Subbasin. The Authorities are dedicated to working together, and have formed a Joint Technical Committee to coordinate basin-wide activities. A Coordination Agreement, or another

agreement, will be developed between the Authorities to provide guidance for an ongoing coordinated effort.

The public will have ample opportunities to participate in Groundwater Sustainability Plan development in the Colusa Subbasin. The Authorities have and will continue to consider the interests of all beneficial uses and users of groundwater listed in Water Code Section 10723.2 in operating their respective Authorities and developing and implementing the Colusa Subbasin Groundwater Sustainability Plan. The Authorities hold regular meetings which are open to the public. Staff from both Authorities maintain a list of interested parties pursuant to Water Code Section 10723.4. All meeting materials and information relevant to Sustainable Groundwater Management Act planning and implementation are readily available to the public via websites, newsletters, emails, presentations, and public meetings.

The Authorities will continue their ongoing outreach efforts, which began in early 2015, continue to expand the lists of interested parties, and continue to encourage broad local and regional stakeholder engagement during development and implementation of the Groundwater Sustainability Plans. For more information, and to add your name to the list of interested parties, please visit the Authorities' websites:

Colusa Groundwater Authority: http://www.colusagroundwater.org

Glenn Groundwater Authority: <u>http://www.countyofglenn.net/dept/ag-commissioner/water-resources/glenn-groundwater-authority</u>.

Please do not hesitate to contact CGA and/or GGA staff with any questions or comments at the contact information below.

Sincerely,

many in Falle

Mary Fahey Colusa Groundwater Authority 100 Sunrise Blvd., Suite A Colusa, CA 95932 530-458-0719

1

Lisa Hunter Glenn Groundwater Authority PO Box 351 Willows, CA 95988 530-934-6501

Attachment 1: Vicinity Map

Cc:

Board of Supervisors, Colusa County Board of Supervisors, Glenn County City Council, City of Colusa City Council, City of Williams City Council, City of Willows City Council, City of Orland California Public Utilities Commission General Public via Window Posting/Website Posting



ATTACHMENT 1: VICINITY MAP; COLUSA SUBBASIN

PROOF OF PUBLICATION

No. 4421

In the Matter of

Notice of Public Hearing for Adoption of the

Groundwater Sustainability Plan by the Glenn

Groundwater Authority in the Colusa Subbasin

State of California) County of Glenn) ss

The undersigned resident of the County of Glenn, State of California, says:

That I am, and at all time herein mentioned was a citizen of the United States and not a party to nor interested in the above entitled matter; that I am the principal clerk of the publisher of:

The Sacramento Valley Mirror

That said newspaper is one of general circulation as defined by Section 6000 Government Code of the State of California, Case No. 27,207 by the Superior Court of the State of California, in and for the County of Glenn,Case #02CV00614; that said newspaper at all times herein mentioned was published twice a week (on Wednesdays and Saturdays) in the town of Willows and County of Glenn; that the notice of which the annexed is a true printed copy, was published in said newspaper on the following days:

November 20, 27, 2021

I certify (or declare), under penalty of perjury, that the foregoing is true and correct, at the County of Glenn, Willows, California.

Date December 1, 2021 at Willows, California.

Donna Settle, Managing Editor

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 11/20, 11/27 North Tehama Street, Willows, CA 95988.

Groundwater Sustainability Plan

5-021.52 COLUSA



Base Information

DATE SUBMITTED	
01/28/2022 DATE POSTED	
02/07/2022 END OF PUBLIC COMMENT PERIOD DATE	
04/23/2022	Public Comments
GSP INITIAL NOTIFICATION(S)	
<u>Colusa Groundwater Authority GSA - Colusa (Exclusive)</u> <u>Glenn Groundwater Authority GSA (Exclusive)</u>	

PLAN MANAGER Lisa Hunter (County of Glenn GSA - Corning) 225 North Tehama Street 530-934-6540 Ihunter@countyofglenn.net

LIST OF GSA(S) THAT COLLECTIVELY PREPARED THE GSP

Colusa Groundwater Authority GSA - Colusa (Exclusive) Glenn Groundwater Authority GSA (Exclusive)

NOTICE ANNOUNCING THE PLANNED ADOPTION OF THE GSP

Notice Date: 08/27/2021

The Colusa Groundwater Authority (CGA) provided a letter on 8/26/2021 to cities and counties in the plan area as notice pursuant to Water Code secti 10728.4 of the CGA's intent to adopt a GSP for the Colusa Subbasin. The Glenn Groundwater Authority (GGA) provided a letter on 8/27/2021 to cities counties in the plan area as notice pursuant to Water Code section 10728.4 of the GGA's intent to adopt a GSP for the Colusa Subbasin. **(** Φ <u>CGA</u> <u>Planned_GSP_Adoption_Notices_Compiled_compressed.pdf (477.2kB)</u>

● <u>GGA_Planned_GSP_Adoption_Notices.pdf (359.7kB)</u> NOTICE OF THE PUBLIC HEARING Public Hearing Date: 12/14/2021

The Colusa Groundwater Authority (CGA) held a public hearing and adopted the Colusa Subbasin GSP on 12/13/2021. The Glenn Groundwater Authority held a public hearing and adopted the Colusa Subbasin GSP on 12/14/2021.

CGA_Notice_GSP_Adoption_CCPR_2021-5230.pdf (75.7kB)

❸ GGA_Notice_GSP_Public_Hearing_Proof_of_Publication.pdf (90.5kB)

Plan Content

Supporting Information

References

Monitoring Site

5-021.52 SACRAMENTO VALLEY

Colusa Groundwater Authority GSA - Colusa, Glenn Groundwater Authority GSA

Date Submitted: 02/28/2018 Last Mo



1. How many GSPs are planned for the basin?

Single GSP for the entire basin

2. Select GSA(s) that will develop the GSP(s)

Colusa Groundwater Authority GSA - Colusa (Exclusive) Glenn Groundwater Authority GSA (Exclusive)

- a. (Optional) If one or more GSAs have identified a representative to submit an initial notification on their behalf, the designated representative shou evidence of that identified.
- 3. Select or add the point of contact for your GSP area or Plan Manager if identified.

Not Yet Determined

4. Please provide general information about the Agency's process for developing the GSP, including the manner in which interested parties may conta Agency and participate in the development and implementation of the GSP as required by Water Codes §10723.4 and §10727.8 (Fill in the text box AND/OR attach a file).

The Colusa Groundwater Authority and Glenn Groundwater Authority (Authorities) will work together to develop a single GSP for the Colusa Subb Authorities are dedicated to working together, and have formed a Joint Technical Committee to coordinate basin-wide activities. A Coordination Ag will be developed between the two Authorities to provide guidance for an ongoing coordinated effort. The public will have ample opportunities to pa in GSP development in the Colusa Subbasin. The Authorities have and will continue to consider the interests of all beneficial uses and users of groundwater in operating their respective GSAs and developing and implementing the Colusa Subbasin Groundwater Sustainability Plan. Both GS regular meetings which are open to the public. Staff from both GSAs maintain a list of interested parties pursuant to Water Code Section 10723.4. Individuals that are interested in being added to the Interested Parties lists may contact the agencies to make such request. All meeting materials information relevant to SGMA planning and implementation are readily available to the public via websites, newsletters, emails, presentations, and meetings. A formal outreach plan is being developed for the Colusa Subbasin by the Center for Collaborative Policy in coordination with the Autho The Authorities will continue their ongoing outreach efforts, which began in early 2015, and continue to expand the lists of interested parties, and c to encourage broad local and regional stakeholder engagement during development and implementation of the Colusa Subbasin Groundwater Sustainability Plan.

5. Please provide link(s) to the Agency's website where relevant information regarding the GSP is posted or will be posted.

APPENDIX B

Glenn Groundwater Authority – SWRCB Intervention Policy











What is State Intervention?

The Sustainable Groundwater Management Act (SGMA) recognizes that groundwater management is generally most effective at the local level. SGMA requires local agencies in high- or medium-priority basins, as designated by the California Department of Water Resources (DWR), to form Groundwater Sustainability Agencies (GSAs). The GSAs, made up of one or more local agencies overlying a groundwater basin, are required to develop and implement Groundwater Sustainability Plans (GSPs) that outline how long-term sustainable management of their basins will be achieved within 20 years of implementation of the plans.

Other SGMA Links

SGMA Home | What is SGMA? | What is State Intervention? | Groundwater Basins | Reporting and Fees | More Information and Resources | Public Meetings

To ensure groundwater resources are sustainably managed, SGMA gives the State Water Resources Control Board (State Water Board) authority to protect groundwater resources through a process called "state intervention" when local agencies are unable or unwilling to sustainably manage their groundwater basins. State intervention is additional to local management and is intended to be temporary: lasting only until local agencies demonstrate that they are ready to adequately manage their respective basins.

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State intervention is a process that could result in the State water Board temporarily managing and protecting groundwater resources until local agencies are able and willing to do so adequately. There are several steps to the intervention process. An overview is provided below.

State intervention is triggered by one of the following events:

Effective Date	Triggering Event
July 1, 2017	Entire basin is not covered by a GSA(s) or an alternative to a GSP
Jan 31, 2020	Basin is in critical overdraft and there is no plan or DWR fails GSP
Jan 31, 2022	No plan in the basin or DWR fails GSP or GSP implementation AND basin is in long-term overdraft
Jan 31, 2025	DWR fails GSP or GSP implementation AND basin has significant surface water depletions (if no long-term overdraft)

Note: *DWR* = *Department of Water Resources. GSA* = *Local Groundwater Sustainability Agency. GSP* = *Groundwater Sustainability Plan*

Avoiding State Intervention

If DWR finds that the GSP(s) covering a basin are incomplete during their initial assessment and evaluation of the plans, DWR provides an additional 180 days for the GSA(s) to cure any deficiencies. DWR works with GSAs during this time to explain the issues that preclude the GSP from approval. After the GSP(s) are resubmitted, DWR then reviews the GSP(s) again and, if the deficiencies still are not cured, DWR will find the GSP(s) inadequate and intervention by the State Water Board is triggered.

State Intervention Process Overview

After state intervention is triggered in a groundwater basin, the next step is for the State Water Board to consider making a probationary determination of the basin. This is done using a public process that includes a public hearing. If the State Water Board designates a basin as "probationary," a term used in the SGMA law, during the probationary period, GSAs have time to address the issues (deficiencies) that caused the basin to go into probation.

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and owners of their extraction reporting requirements and associated filing fees. Fees are required because Water Code section 1529.5 directs the State Water Board to recover the costs of state intervention activities. For more information on groundwater extraction reporting and filing fees, visit the Reporting and Fees webpage and the State Water Board's SGMA fee regulations.

If the issues that caused the basin to be deemed probationary are not addressed during the probationary period, the State Water Board may begin another public process to determine whether or not to develop and implement an interim plan for the basin. Importantly, an interim plan cannot be implemented until the GSAs in a probationary basin are allowed at least one year to correct their deficiencies. If the State Water Board adopts an interim plan, the Board would temporarily manage groundwater in the basin until the local agencies could demonstrate their ability to manage the basin sustainably and resume management.

Visit the Probationary Designation and Groundwater Regulation by the State Water Board (PDF) fact sheet for more information.

Levels of State Intervention

• Umanaged Area

An unmanaged area is a part of a groundwater basin that was not within the management area of a GSA by July 1, 2017, or became unmanaged after that date when a GSA withdrew. A well owner that extracts or pumps groundwater from an unmanaged area is required to submit a groundwater extraction report to the State Water Board each year. A well owner who extracts two acre-feet or less of groundwater per year (an acre-foot is enough water to cover an acre of land in one foot of water) from a parcel of land for domestic purposes only is a de minimis user of groundwater. De minimis users are exempt from annual groundwater extraction reporting in unmanaged areas. For more information on groundwater extraction reporting and filing fees, visit Reporting and Fees website.

Probationary Basin

If local agencies fail to form a GSA, fail to develop an adequate GSP, or fail to implement the plan successfully in a groundwater basin, the State Water Board may designate the entire basin probationary after providing notice and holding a public hearing. A probationary designation will identify the deficiencies that led to state intervention and potential actions to remedy the deficiencies. Any well owner who extracts or pumps groundwater from a probationary basin must file an annual groundwater extraction report with the State Water Board unless the State Water Board decides to exclude certain types of groundwater extractions. The State Water Board may require the use of a meter to measure groundwater extractions and the reporting of additional information.

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the State Water Board visit Groundwater Basins.

Interim Plan

An interim plan is intended to be a temporary measure to protect groundwater until effective local management is in place. The State Water Board will allow local agencies a limited amount of time to fix the deficiencies in their basin that led to a probationary designation before developing an interim plan to manage groundwater. An interim plan will contain corrective actions, a timeline, and a monitoring plan to ensure corrective actions are working. The State Water Board will adopt the interim plan through a public hearing process, similar to the probationary designation public process.

Ending State Intervention

To end State Water Board management of a groundwater basin, GSAs in that basin will have to demonstrate to the State Water Board (in consultation with DWR) their ability and willingness to manage groundwater sustainably and address the issues that caused state intervention to occur. This may require changes to the GSPs, revision of coordination agreements among the GSAs, pumping restrictions, or other measures to provide assurances that ongoing local management will be effective.

Contact Us

If you have questions, please contact us at 916-322-6508 or email at SGMA@waterboards.ca.gov.

(Page last updated 03/02/2023)

Water is a precious resource in California, and maintaining its quality is of utmost importance to safeguard the health of the public and the environment.

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The California Water Boards include the State Water Resources Control Board and nine Regional Boards The State Water Board is one of six environmental entities operating under the authority of the California Environmental Protection Agency CalEPA | ARB | CalRecycle | DPR | DTSC | OEHHA | SWRCB







Reporting and Fees

The Sustainable Groundwater Management Act (SGMA) requires those that extract or pump groundwater in unmanaged areas or probationary basins to file groundwater extraction reports with the State Water Resources Control Board (State Water Board) and to pay a report filing fee. For more information on the levels of state intervention, including unmanaged areas and probationary basins please visit the SGMA State Intervention website. The Groundwater Basins website provides information on basins that are subject to state intervention.

The information on this page will assist you in better determining if you are required to report your groundwater extractions annually to the State Water Board, and if so, what filing fees would apply. Any person who extracts or pumps groundwater from an unmanaged area or probationary basin must file a groundwater extraction report with the State Water Board each year. If you have any questions, please contact us at the contact information below.

Other SGMA Links

SGMA Home | What is SGMA? | What is State Intervention? | Groundwater Basins | Reporting and Fees | More Information and Resources | Public Meetings





Groundwater Extraction Reporting Filing Fees Frequently Asked Questions

Other Resources

- Example of Notification of Reporting Requirements Letter (PDF)
- Water Boards Options for Measuring Extraction Volumes (PDF)

Groundwater Extraction Annual Reporting System (GEARS)

Any person who extracts or pumps groundwater from an unmanaged area or probationary basin must file a groundwater extraction report with the State Water Board each year. Groundwater extraction reports must be completed and filed online through the State Water Board's online Groundwater Extraction Annual Reporting System (GEARS). Please refer to the Groundwater Extraction Reporting Frequently Asked Questions above for additional information on groundwater extraction reporting.

Tutorial videos for GEARS are available for:

- Registering for a GEARS account
- Plotting and describing your well(s) and extracted groundwater use in GEARS
- Submitting your groundwater extraction report in GEARS

Extraction Reporting System

Groundwater Extraction Report Filing Fees

Any person required to file an annual groundwater extraction report with the State Water Board must pay a report filing fee. The State Water Board is required to set report filing fees to recover the cost of state intervention activities in groundwater basins. The following table outlines current annual filing fees:

Fee Category	Fee Amount	Applicable Parties
Base Filing Fee	\$300 per well	All extractors required to report (excludes de minimis





	\$25 per AF (unmetered)				
Probationary Rate	\$40 per AF	Extractors in probationary basins (excludes de minimis extractors).			
Interim Plan Rate	\$55 per AF	Extractors in probationary basins where the State Water Board determines an interim plan is required (excludes de minimis extractors).			
De minimis Fee	\$100 per well	De minimis extractors in probationary basins (if determined by the State Water Board at a public hearing).			
Automatic Late Fee	25% per month	Extractors that do not file reports by the due date.			
AF = acre-foot An acre-foot is enough water to cover one acre of land with one foot of water.					

Contact Us

If you have questions, please contact us at 916-322-6508 or email at SGMA@waterboards.ca.gov.

(Page last updated 03/03/2023)

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SUSTAINABLE GROUNDWATER MANAGEMENT ACT

Probationary Designation and Groundwater Regulation by the State Water Board

This fact sheet offers summary information regarding how the state will regulate groundwater use if local management is found to be inadequate under the Sustainable Groundwater Management Act (SGMA). This fact sheet, and others, are available at the State Water Board's <u>Groundwater Management Program webpage (www.waterboards.ca.gov/gmp)</u>.

Groundwater is a limited natural resource that Californians use for many purposes. In the state's high- and medium- priority groundwater basins, SGMA requires local groundwater sustainability agencies (GSAs) to develop and implement groundwater sustainability plans (plans) so that these uses can continue in the future.

If GSAs do not sustainably manage groundwater use in their basin, the State Water Resources Control Board (State Water Board or Board) can step in to manage the basin in a process called "state intervention." State intervention is SGMA's guarantee that sustainability goals are met. But state intervention may be costly for groundwater extractors and give them little influence over how the state regulates their groundwater extraction. The Board, the Department of Water Resources (DWR), and other organizations may be able to work with GSAs, groundwater extractors, and others to avoid state intervention. Please reach out if interested in assistance.

Steps in the Intervention Process

Triggers

The state will evaluate GSA efforts and basin conditions. During evaluation, lack of plans, lack of coordination, inadequate plans, or inadequate implementation can trigger the state intervention process for a high- or medium-priority basin. The specific state intervention triggers are listed in the table on the following page.¹

¹ Please refer to the Act regarding triggers if you are in a region covered by an alternative plan submitted to the DWR.



CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

STATE WATER RESOURCES CONTROL BOARD 1001 | Street, Sacramento, California 95814 | Mailing Address: P.O. Box 1000, Sacramento, California 95812-0100 | www.waterboards.ca.gov

Triggering Condition	If After
Basin is not covered by a GSA(s)	June 30, 2017
Water code section 10735.2(a)(1)	
Basin is in critical overdraft (DWR finding) and	Jan. 31, 2020
basin is not covered by plan(s) or plans in basin are not coordinated	
10735.2(a)(2)	
Basin is in critical overdraft (DWR finding) and	Jan. 31, 2020
DWR, in consultation with the Board, fails a plan or determines a plan is not	
being implemented in a manner likely to achieve sustainability	
10735.2(a)(2) and 10735.2(a)(3)	
Basin is not in critical overdraft (DWR finding) and	Jan. 31, 2022
basin is not covered by plan(s) or plans in basin are not coordinated	
10735.2(a)(4)	
Basin is not in critical overdraft (DWR finding) but is in long-term overdraft	Jan. 31, 2022
(Board determination) and	
DWR, in consultation with the Board, fails a plan or determines a plan is not	
being implemented in a manner likely to achieve sustainability	
10735.2(a)(4) and 10735.2(a)(5)(A)	
Basin is not in critical overdraft (DWR finding) nor long-term overdraft	Jan. 31, 2025
(Board finding) but there are significant depletions of interconnected	
surface waters (Board determination) and	
DWR, in consultation with the Board, fails a plan or determines a plan is not	
being implemented in a manner likely to achieve sustainability	
10735.2(a)(5)(B)	

Any one of these conditions makes the state intervention process possible

Hearing

After a triggering condition occurs, the State Water Board may designate a basin probationary after providing notice and holding a public hearing. At the hearing, interested parties will have the opportunity to address the Board. A probationary designation will identify the deficiencies that led to intervention and potential actions to remedy the deficiencies.

Probation

Once a basin has been designated probationary, the Board may require groundwater extractors to install meters, measure and report all groundwater extractions, and pay fees to cover the cost of Board activities. The Board may also conduct investigations and gather data necessary for sustainable groundwater management.

Opportunity to End State Intervention

Local efforts will have the opportunity to fix the deficiencies that resulted in designation of the basin as probationary. Deficiencies may include lack of an agreement among GSAs in the basin to coordinate multiple plans, data gaps in the plans, or insufficient groundwater management efforts to achieve the sustainability goal. Groundwater extractors will be given a limited time (perhaps as short as 180 days) to address deficiencies before the Board may develop an "interim plan."

State Water Board Imposition of Interim Plan

The Board may develop and implement an interim plan for a probationary basin if the Board determines that a local agency has not fixed the deficiencies that resulted in the probationary designation. The Board will adopt the interim plan through a hearing process, similar to the probationary designation. An interim plan is intended to be a temporary measure to protect groundwater until effective local management is in place.

An interim plan will include corrective actions, a schedule for those actions, monitoring, and enforcement. An interim plan will likely focus on reducing groundwater use in the basin to sustainable levels as soon as practical. An interim plan may include elements of an existing plan or adjudication that the Board finds would help meet the basin's sustainability goal.

End of State Water Board Management

To end State Water Board management of groundwater, GSAs will have to demonstrate to the Board (which will consult with DWR) their ability and willingness to manage groundwater sustainably and address the issues that caused state intervention. This may require changes to the groundwater sustainability plans, revision of coordination agreements among the GSAs, pumping restrictions, or other measures to provide assurances that ongoing local management will be effective.

Adjudication Proceedings: A Detour with the Same Destination

The Board has authority to act if a triggering event occurs, regardless of whether the basin is going through an adjudication. Filing an adjudication will not delay or avoid the SGMA process and will not prevent state intervention. Courts must manage any groundwater adjudication proceeding in a manner consistent with the attainment of sustainable groundwater management within the timeframes set by SGMA. Any judgment entered in an adjudication action must not impair the ability of the basin's GSAs to comply with SGMA.

Reporting Requirements Require Comprehensive and Accurate Data

Probationary designation and interim plans may require pumpers to submit groundwater extraction reports. These reports must be submitted by well owners or operators (or their agents) to the State Water Board electronically. Reporters are required to provide extraction volumes, well details, well locations, the locations of parcels where groundwater is used, and other information deemed necessary by the Board. Extractions must be measured by a method satisfactory to the Board.

More information on reporting

(https://www.waterboards.ca.gov/water_issues/programs/sgma/reporting_and_fees.html).

Required Fees

The Board is required to set fees to recover the cost of probation and intervention activities. The amount of the fees depends on factors such as costs associated with data gathering, enforcement activities, and California Environmental Quality Act (CEQA) compliance. The current annual fee for groundwater extractions in a probationary basin is a base fee of \$300 per well and \$40 per acre-foot of water extracted. Fees are collected with each annual groundwater extraction report. Late reporters are subject to late fees and may be subject to additional administrative liability or misdemeanor penalties.

<u>More information on fees</u> (<u>https://www.waterboards.ca.gov/water_issues/programs/sgma/reporting_and_fees.html</u>).

Sustainability is at the Basin Scale

The intent of SGMA is to reach groundwater sustainability at the basin scale. Close coordination at the local level will help. While the Board may focus probation and interim plan efforts in specific parts of basins, the Board must consider the entire basin when deciding on a course of action. Reasons for a basin-scale approach include:

- ✓ Pumping volumes must be made consistent with sustainable yield, which is defined at the basin scale.
- ✓ The Board's interim plan must be consistent with water right priorities, which typically requires consideration of all rights to extract groundwater at the basin scale.
- Basin-wide data collection is necessary to determine where efforts should be focused or if efforts should be basin-wide.

SGMA's Interaction with State and Regional Board Authorities

SGMA does not supersede any existing State Water Board or Regional Water Quality Control Board authorities nor do these other authorities supersede SGMA. The Board will take other legal and policy priorities into account when weighing how to proceed with state intervention. Intervention planning may include consideration of the effects of groundwater extraction on public trust resources, drinking water needs of disadvantaged communities, and the human right to water.²

² <u>Information on human right to water</u> (<u>https://www.waterboards.ca.gov/water_issues/programs/hr2w/</u>).

GSAs may find value in harmonizing their activities under SGMA with other efforts (of the GSAs or other parties) to meet requirements of other state or local regulatory programs. Contact the State Water Board's SGMA program at SGMA@waterboards.ca.gov to learn more about how SGMA can be coordinated with other programs at the State and Regional Water Boards.

For More Information

This fact sheet and additional information on SGMA are available at the: <u>State Water Board</u> <u>Website (www.waterboards.ca.gov/gmp)</u>.

The Board's SGMA program can be contacted at SGMA@waterboards.ca.gov or 916-322-6508.

These online resources may be updated. Parties interested in updates are encouraged to subscribe to the State Water Board's <u>Groundwater Management email list in the General Interests section</u>

(https://www.waterboards.ca.gov/resources/email_subscriptions/swrcb_subscribe.html).

Additional SGMA information from DWR (www.water.ca.gov/SGMA).

Last updated: November 2022

APPENDIX C

Glenn Groundwater Authority – 2023 GGA Draft Tax Roll



Glenn Groundwater Authority GSA - 2023 Long Term Funding - Fee Report GGA GSA 2023 Tax Roll APPENDIX C					
APN Number	User Class	County	Assessable Acreage	Annual Assessment (\$)	
123-456-789	Irrigated-Groundwater	Glenn	1.5	\$8.94	
	-				
	_				
	1				
	+		}		
	1				
			1		

APPENDIX D

Glenn Groundwater Authority – Draft Proposition 218 Notice

Notice For Non-Irrigated, Irrigated-Surface Water and Irrigrated-Groundwater classified parcels in the GGA GSA service area.



<u>Glenn Groundwater Authority Groundwater Sustainability Agency</u> <u>Cover Sheet Fee Summary For 2023 Proposition 218 Notice</u>

[Owner Name 1] [Owner Name 2] [Address] [City, State, Zip]

PARCEL INFORMATION

User Class: [UserClass]

APN: [APN]

Acres: [Acres]

Proposed Maximum Annual Fee: [Max Fee]

PARCEL RECATEGORIZATION

Landowners can be recategorized in accordance with the stated maximum fees in the Proposition 218 Notice at the request of the landowner or by the GSA in accordance with the approved fee policy.

For more information on the Glenn Groundwater Authority GSA long term fees visit our website:

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

GLENN GROUNDWATER AUTHORITY GROUNDWATER SUSTAINABILITY AGENCY NOTICE OF HEARING TO ADOPT PROPOSED FEE

In compliance with California State Law, notice is hereby given that the Glenn Groundwater Authority (GGA) Groundwater Sustainability Agency (GSA) will hold a **public hearing on: DATE, Location, TIME** to consider the adoption of a new annual per acre fee starting in Fiscal Year 2023-24 for GGA operations and implementation of the COLUSA SUBBASIN Groundwater Sustainability Plan (GSP) required by the State of California pursuant to the 2014 Sustainable Groundwater Management Act (SGMA). Spanish version of Notice is available at https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority

Background:

The GGA is a Groundwater Sustainability Agency formed through a Joint Powers Agreement to comply with the requirements of SGMA for that portion of the Colusa Groundwater Subbasin underlying GLENN COUNTY. The GGA area is described in California Department of Water Resources Bulletin 118 (2020), Sacramento Valley Groundwater Basin, Colusa Subbasin, Number 5-021.52 which is classified as a High Priority Subbasin comprised of approximately 723,823 total acres, of which approximately 306,000 acres are within the GGA service area. As required by SGMA, the GGA adopted a GSP in 2022 in collaboration with the Colusa Groundwater Authority (CGA) and must now implement that GSP as required by law to prevent the State of California from stepping into manage the local groundwater basin and corresponding groundwater resources.

Basis of Proposed Fee:

To provide local groundwater management, sustainability, and SGMA compliance, the GGA must annually monitor and report groundwater conditions to the State, prepare required updates to the GSP, conduct required coordination among GSAs in the Sacramento Valley Groundwater Basin, and maintain GSA operations. GSA operations include but are not limited to legal, technical and administration costs (including consultant services, insurance, office and outreach materials, and accounting).

The proposed fee is a property-related fee governed by Proposition 218 and the California Constitution. California Water Code Section 10730 provides authority for the GGA to impose Fees to support GSA administration, GSP implementation, and SGMA compliance. The GGA has reviewed the available options to fund the GSA and associated activities over the next five years as explained and documented in the June 2023 Proposition 218 Fee Report.

The service of local groundwater management requires each landowner to cover the cost of groundwater management, GSA administration, GSP implementation, and SGMA compliance including groundwater monitoring, preparation of annual reports, and regulatory compliance activities to ensure that the GGA is sustainable over the long term, as required by SGMA. Each acre in the GGA is required to be managed by a GSP and land within the Glenn County portion of the Subbasin will receive the local management services of the GGA. Ensuring sustainability will allow the GGA to maintain local control and **avoid State intervention and operation of the Subbasin, which would result in higher Fees on a basin-wide scale**. If the State Water Resources Control Board intervenes in the GGA operations, it may impose annual fees ranging from \$100 per domestic well, to \$300 per agricultural well, plus up to \$55 per acre-foot of pumped water per well and require annual reporting of extractions to the State. For more information:

<u>https://www.waterboards.ca.gov/water_issues/programs/gmp/docs/intervention/intervention_fs.pdf</u> Implementing the proposed fee allows the GSA to provide groundwater management services and ensures a more tailored and locally managed option for managing the GGA while maintaining SGMA compliance for all landowners.

Proposed Property Fee:

The proposed per-acre fees fund the service of groundwater management including GSA operations and implementation of the GSP and compliance with SGMA. This fee is a per-acre fee that imposes a <u>maximum fee</u> based on each parcel's classification. There are <u>three</u> proposed maximum fee rates as follows: \$0.52 per non-irrigated acre, \$2.40 per irrigated-surface water acre, and \$5.59 per irrigated-groundwater acre (in 2023 dollars, including inflation, for the subsequent four years). The proposed fee, if approved, will become effective for the 2023-24 fiscal year (beginning July 1, 2023), with the first payment due in December 2023 through the Glenn County property tax bill. **The actual amount of the fee will be set by Resolution of the GGA but cannot exceed the maximum per acre fee specified above, including the inflation factor, absent a subsequent Proposition 218 proceeding.**

Each parcel subject to the fee would only be charged <u>one</u> of these rates specified on the accompanying cover sheet. Landowners may be reclassified based on appropriate fee classification or consistency with GSA policy.

For more information, including the Fee Report summarizing the findings, please visit the GGA website at: https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority.

Public Hearing and Majority Protest:

Under the California State Constitution, owners of land subject to the proposed fee have the right to protest its adoption. If you have received this notice, one or more parcels under your ownership will be subject to the proposed fee. If the identified parcel has more than one record owner only one written protest will be counted. In the event of a majority protest, the fee will not be instituted. There is a 120-day statute of limitations for challenging any new, increased, or extended fee or charge.

Landowners desiring to protest the proposed GGA fee should send their written protest prior to the public hearing to: GLENN GROUNDWATER AUTHORITY, P.O. BOX 752, Willows, CA 95988, <u>or in person</u> at the public hearing on DATE, TIME, so long as the protest is received <u>prior to the close</u> of the public hearing. **Protests submitted by e-mail, fax, or other electronic means are not valid and will not be counted as a protest.**

There are multiple ways to obtain additional information about this topic:

- View more information online at https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority.
- Call the GGA at **(530) 934-6540**.
- The GGA Fee Report will be available for public review during normal business hours at 225 N. Tehama St., Willows, CA 95988.
- For more information about SGMA, see the California Department of Water Resources website: <u>https://water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management</u>

If you do not wish to protest the proposed GGA Fee, you do not need to take any action.

GGA PROPOSITION 218 PROTEST FORM

To protest, complete and detach this portion of the Notice and mail to GGA, P.O. Box 752, Willows, CA 95988, OR submit in-person at the Public Hearing on DATE, TIME, LOCATION. All protests must include:

×-----

- Landowner Printed Name(s):
- Assessor's Parcel Number: ______
- Statement of Protest:_____

Under penalty of law, I affirm that I am the owner(s) or authorized representative of the owner of the above parcel.

Each parcel is entitled to one protest. If a parcel has more than one owner, all must sign one protest form.

APPENDIX E

Glenn Groundwater Authority – GGA Long Term Fee Payment Options



Appendix E

Proposed 2023 Glenn Groundwater Authority Groundwater Sustainability Agency SGMA Compliance Fee Funding Agreements

Landowners within the GGA GSA service area will receive Proposition 218 Notices from the GGA GSA for the proposed 2023 GSA Fees

Funding alternatives including Funding Agreements will be negotiated between the GSA and interested parties who do not wish to receive a Proposition 218 Notice for paying their share of total GSA costs.

APPENDIX F

Glenn Groundwater Authority – 2023 Long Term Funding Project Public Outreach



Select a Department	~
How do I?	~
 (/) <u>Departments (/government/departments</u>) <u>Planning & Community Development Services (/dept/planning-community-development-services/welcome</u>) Water Resources (/dept/planning-community-development-services/welcome)	

Glenn Groundwater Authority Long-Term Funding

Water Resources

Glenn Groundwater Authority Long-Term Funding

The Glenn Groundwater Authority (GGA) is embarking on a long-term funding strategy to fund Groundwater Sustainability Plan implementation and administration for the next five years.

Public Workshops (/resources/public-notice-groundwater-authority-water/glenn-groundwater-authority-public-workshops) (March 2023)

Frequently Asked Questions - coming soon!

Fact Sheets

Fact Sheet #1 (/sites/default/files/Water Resources/Glenn Groundwater Authority/GGA%20Funding%20Fact%20Sheet Final%203-8-23.pdf) (March 2023)

Draft Revenue Needs Projections (Budget) (/sites/default/files/Water Resources/Glenn Groundwater Authority/GGA%20Five%20Year%20Revenue%20Projections%20Draft%20for%20web%20%

GGA Long-Term Funding (2019) (/resources/groundwater-authority-water/glenn-groundwater-authority-long-term-funding-2019)

Home (/)

Residents & Visitors (/residents)

Attractions (/visitors/attractions) County Lodging (/residents-visitors/county-lodging) History (/visitors/history) Recreation (/residents-visitors/recreation) County Map (/residents-visitors/county-map) Community Events (/calendar/community) Education (/residents-visitors/education) Employment (/residents/employment) Events (/residents-visitors/events) Health (/residents/health)

Housing (/residents-visitors/housing)

Government (/government)

Administrative Manual (https://glenn.municipalcodeonline.com/book?type=rules) County Code (https://glenn.municipalcodeonline.com/book?type=ordinances) Committees & Commissions (/government/committees-commissions) County Services (/departments/county-services) Departments (/government/departments) Minutes & Agendas (/government/minutes-agendas) Project & Service Bids (/govt/bids)

Business (/business)

Business Industries (/business/business-industries) Business Licenses (/business/business-licenses) Business Services (//www.countyofglenn.net/dept/health-human-services/businessservices/welcome) Regulations (/business/regulations) Resources (/business/resources) Tax Information (/business/tax-information)

Calendar (/calendar)

News (/government/news)

Resources (/government/resources)

Announcements (/government/announcements)

Board of Supervisors (//www.countyofglenn.net/dept/board-supervisors/welcome) Social Media (/government/social-media)

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(http://www.adobe.com/products/acrobat/readstep2.html)

ADA Disclaimer (/legal/ada-disclaimer) | Privacy Policy (/legal/privacy-policy) This institution is an equal opportunity provider, and employer, (/legal/non-discrimination-policy) Adopted Budget (/resources/county-budget/adopted-budget)

Maps (//countyofglenn.net/gis-data)

Glenn Groundwater Authority GSA Long-Term Funding for GSP Implementation

GGA Member Agencies

City of Orland • City of Willows • County of Glenn • Glenn-Colusa Irrigation District • Glide Water District • Kanawha Water District • Monroeville Water District • Orland-Artois Water District • Princeton-Codora-Glenn Irrigation District • Provident Irrigation District

Who is the Glenn Groundwater Authority?

The Glenn Groundwater Authority (GGA) is the Groundwater Sustainability Agency (GSA) responsible for developing and implementing the Groundwater Sustainability Plan for the Glenn County portion of the Colusa Subbasin. The GGA works cooperatively with the Colusa Groundwater Authority, the GSA who manages the Colusa County portion of the Colusa Subbasin.

GSP Implementation Funding for Years 2024-2028

The Colusa Subbasin Groundwater Sustainability Plan (GSP) has been adopted by the GSAs and submitted to the California Department of Water Resources (DWR). The GSAs are working together to develop the most efficient manner to implement the GSP and comply with Sustainable Groundwater Management Act (SGMA) regulations through cost sharing and collaboration. Each GSA is responsible for their respective GSA administration costs with SGMA compliance costs shared by the GSAs when appropriate to keep future fees as low as possible. GSAs must conduct monitoring, complete required reporting, and implement projects and management actions as needed to ensure basin sustainability by 2042. To fund these activities, revenue requirements have been developed by each of the GSAs to help inform the evaluation of options to raise the necessary revenue.

What Fee Options Are Being Considered by the GGA for Covering GSP Implementation Costs?

The GSAs both have existing Proposition 218 fee in place on a per acre basis. The GSAs committed to evaluating the fee structures once the GSP planning process concluded and implementation began. Each GSA will embark on its own fee evaluation process, but will continue to coordinate in an effort to gain efficiencies and maintain consistency if possible. There are three main fee options the GSAs will consider including Proposition 26, Proposition 218, and extraction fees.



How were GSP Implementation Costs Developed for the Proposed Fees?

The proposed GSP implementation costs reflect the minimum revenue requirements to comply with SGMA and meet Colusa Subbasin sustainability objectives based on known information and data about the Colusa Subbasin and GSA operational costs. These costs may change depending on information gathered during the options evaluation process. Considerations may include awarded grant funding, considerations for administration and/or enforcement of the selected fee option, and similar items.

PROJECT TIMELINE



What Happens if We Fail?

Maintaining local control over our groundwater resources is a top priority for the GGA. Implementing the GSP and complying with SGMA will keep the State from intervening. State intervention due to SGMA non-compliance would mean the landowners within the GGA footprint would report directly to the State Water Resources Control Board and be subject to State approved fees.

The local GSAs are working hard to avoid State intervention.

Current Fee Information and Next Steps

The GGA Board is considering updating its current per acre Proposition 218 fees in accordance with Water Code Section 10730 to cover the administrative and operational costs of GSP implementation and SGMA compliance. Under the current fee structure, the maximum fee is \$1.93 per acre with fees currently at \$1.50 per acre.

The proposed updated fees will fund GSA administration and SGMA compliance activities related to GSP implementation. Local and regional projects to enhance groundwater sustainability are included in the GSP and/or Annual Reports and will be supported through other funding sources when available on an as-needed basis aimed at achieving State mandated sustainability. Funding this effort is critical for maintaining local control over the implementation of sustainable groundwater projects and management actions in the Colusa Subbasin. The GGA is committed to retaining local control over SGMA implementation, utilizing landowner dollars efficiently and beneficially.

You can visit the GGA webpage using the following link (www. countyofglenn.net/dept/planning-community-developmentservices/water-resources/glenn-groundwater-authority) to learn more about the Colusa Subbasin GSP implementation activities and follow updates on establishing a long-term funding strategy to cover the costs of GGA administration and SGMA compliance activities. Frequently asked questions are being developed to address your questions and concerns. We welcome your comments and thoughts on how we can work together to maintain local control over our water resources.

2024-2028 Colusa Subbasin GSP Implementation Summary of State SGMA Requirements



The GGA GSA will be responsible for covering its GSA administration costs and its share of the total GSP implementation SGMA compliance costs identified in the adopted GSP. The GGA will serve as the fiscal agent on behalf of parcels subject to the fee in the GGA service area and will share SGMA compliance costs with the Colusa Groundwater Authority GSA through an MOU to manage the GSP implementation budget and report on the status of GSP implementation activities.

JOIN US FOR -PUBLIC WORKSHOPS-

Funding Needs for Groundwater Sustainability Plan (GSP) Implementation

Hosted by the Glenn Groundwater Authority

MARCH 9, 2023 6:00 PM

Glenn Success Square Conference Center 131 E Walker St. Orland, CA 95963

MARCH 13, 2023 6:00 PM

Willows City Council Chambers 201 N Lassen St. Willows, CA 95988

MARCH 15, 2023 6:00 PM

Jacinto Grange Hall 7254 County Road 39 Glenn, CA 95943

We need your input as the Groundwater Sustainability Agency (GSA) identifies future funding needs to implement the GSP and comply with Sustainable Groundwater Management Act (SGMA).

Questions and input are encouraged! If you are unable to attend and want to be notified of other opportunities to provide input, please contact Lisa Hunter (Lhunter@countyofglenn.net, 530.934.6540).

For more information regarding the GGA: <u>https://www.countyofglenn.net/dept/planning-community-</u> <u>development-services/water-resources/glenn-groundwater-authority</u>

Glenn Groundwater Authority | 225 N. Tehama Street, Willows, CA 95988 | 530.934.6540

APPENDIX G

Glenn Groundwater Authority - Fee Option TM Information





FINAL TECHNICAL MEMORANDUM						
DATE:	May 31, 2023	Project No. 22-1-096				
TO: FROM:	Lisa Hunter, Program Manager, GGA GSA Eddy Teasdale, PG, CHG, Supervising Hydrogeologist Jacques DeBra, Principal, Supervising Water Resource Pla	anner				
SUBJECT:	GGA GSA – 2023 Long-Term Funding Project Summary					

INTRODUCTION

Luhdorff & Scalmanini, Consulting Engineers (LSCE) was hired by Glenn Groundwater Authority Groundwater Sustainability Agency (GGA GSA) in January 2023 to complete the GGA GSA 2023 Long-Term Funding Project (Project) to ensure that a long-term funding mechanism is in place by January 2024 to support GSA operations while meeting GSA Sustainable Groundwater management Act (SGMA) compliance requirements. The GGA and Colusa Groundwater Authority (CGA) collaborated to prepare the Colusa Subbasin 2022 Groundwater Sustainability Plan (GSP) which was approved by the GGA GSA Board of Directors (Board) at the December 14, 2021 Board meeting and submitted to the California Department of Water Resources (DWR) in accordance with the DWR January 31, 2022 GSP submittal deadline. DWR is currently reviewing the Colusa Subbasin GSP. The GGA GSA Board is now focused on GSP implementation and addressing long-term financial sustainability to maintain compliance with SGMA requirements and implement recommended management actions, projects, and programs to achieve groundwater sustainability within the Subbasin by 2042. This Technical Memorandum (TM) summarizes the long-term funding needs and options to facilitate approval of a long-term local funding mechanism to support GSP implementation regarding the GGA GSA GSP adoption process.

BACKGROUND

The Colusa Subbasin 2022 GSP identifies long-term funding needs for GSP implementation and SGMA compliance. This TM identifies long-term funding options and mechanisms to support the GGA GSA revenue needs required for achieving and maintaining SGMA compliance while meeting groundwater sustainability goals and objectives. Financial sustainability will support successful GSP implementation and compliance with SGMA requirements over the next 20-year planning horizon through 2042.

The overall funding needs for GSP implementation and SGMA compliance are outlined below. Future revenue needs were updated to reflect actual SGMA compliance costs to date and expected future costs to comply with SGMA regulations and cover on-going GSA administration costs. GSP implementation costs

will be refined over time based on actual costs and the level of effort required to maintain SGMA compliance.

2023 LONG-TERM GSA FUNDING PROJECT

LSCE was engaged to review the Colusa Subbasin GSP, project GSP implementation and SGMA compliance costs, analyze alternative funding options for allocating costs, and develop a long-term funding recommendation for consideration by the GGA GSA Board of Directors so that a sustainable local funding source could be in place by January 2024 that covers GSA administration and GSP implementation costs. There is currently no other funding source available to cover the on-going costs of GGA GSA operations and SGMA compliance actions over the 2042 SGMA compliance planning horizon. The recommended long-term funding option will be based on information in the Colusa Subbasin GSP, and feedback provided by the GGA GSA Board and other stakeholders through GSA outreach activities. The long-term GSA funding option will address the following:

- 1. **GSP Costs:** Using the Colusa Subbasin GSP, LSCE reviewed, categorized, and summarized costs to implement the GSP and meet SGMA requirements. LSCE, in coordination with the GGA GSA, updated key cost assumptions and corresponding changes to future revenue projections.
- 2. **Revenue Needs:** In coordination with the GGA GSA, GSA revenue needs were defined based on the updated GSP implementation and SGMA compliance costs. This task included identifying those costs which would be included or excluded from a long-term funding option that could be included in the final Charge Report.
- 3. **GGA and CGA Cost Sharing:** The GGA and CGA agreed to cost share the basin-wide SGMA compliance cost actions to keep SGMA compliance costs as low as possible for each GSA to ensure that SGMA compliance is achieved in the Colusa Subbasin.
- 4. **Cost Allocation Analysis:** LSCE developed alternative cost allocation methods in evaluating funding options to analyze considerations such as ease of implementation and understanding, equitability, reliability, and implementation costs.
- 5. **Recommendations:** Based on discussions and feedback with the GGA GSA, LSCE recommended cost allocation method to determine the costs assigned to landowners subject to the charge options considered that would be needed to cover GSA revenue projections.

LSCE will be subsequently developing a Charge Report to evaluate the services provided by GGA GSA and how each funding mechanism allocates the cost of service. The results of the Charge Report will be used to support and inform approval of the long-term funding mechanism at the July 2023 GGA GSA Board meeting.

Colusa Subbasin GSP Development and Implementation Funding

The Colusa Subbasin, classified as a High Priority basin by DWR, developed a single GSP through collaboration between the GGA and CGA GSAs. The member agencies are listed on the respective GSA websites and were documented in the GSP development process. The Colusa Subbasin GSP was approved



at the December 2021 GGA and CGA GSA Board meetings respectively and submitted to DWR in accordance with the January 31, 2022 submittal deadline.

The Colusa Subbasin GSP was funded largely by grant funding acquired by the GSAs and with limited GSA administration-related member agency contributions. Specifically, GSP development was funded by a Proposition 1 (Water Quality, Supply, and Infrastructure Improvement Act of 2014) Sustainable Groundwater Planning Grant, and supplemental Proposition 1 grant funding for outreach and engagement. Additional technical evaluation of data gaps and projects and management actions was funded by a Proposition 68 (California Drought, Parks, Climate, Coastal Protection, and Outdoor Access for All Act of 2018) grant. Other GSA administration costs were funded by direct and in-kind contributions by the GSA member agencies.

The GSAs will continue to pursue grant funding opportunities to support GSP implementation, including addressing data gaps and developing projects and management actions. Any shortfall in funding for additional GSP costs for staff time, administration, legal, reporting (annual reports and 5-year updates), and other technical studies would be funded by other local fees or assessments.

At the March 2023 GGA GSA meeting, the Board approved the use of five-year revenue projections for the long-term funding project process assuming no DWR grant funds are awarded in the Colusa Subbasin SGMA Implementation funding application in 2023. The GGA GSA Board will be positioned to implement lower GSA charges in the event DWR grant funds are awarded in 2023. Revenue projections are considered reasonable and account for GGA/CGA cost sharing of SGMA compliance actions to lower the overall GSA costs of service over the initial five-year GSP implementation period.

The GGA GSA Board is implementing public outreach efforts to engage stakeholders and inform those that are subject to the GSA's proposed long-term charges. The GGA GSA has updated its website to include updated information and facts about the GSA's long-term funding strategy. A project Fact Sheet document has been prepared and made available as part of the public outreach materials. A Frequently Asked Questions document is also under development with plans to include on the website prior to the charge report being finalized. More information is available at: <u>Glenn Groundwater Authority | County of Glenn</u>.

The GGA GSA is also coordinating its activities with the CGA GSA to cost share and defray the costs associated with meeting basin-wide sustainability requirements and goals. The GGA GSA is collaborating and working together with its landowners to keep long-term GSA charges as low as possible. LSCE recommends that the GGA GSA update its project priorities and develop a long-range capital improvement program to implement projects that will assist the Subbasin meet its water balance by 2042. This will involve developing a long-term project funding strategy once the GSA knows which projects may be funded through its 2022 DWR SGMA Implementation Round 2 grant funding application.

The GGA GSA member agencies will continue to work together and keep long-term revenue needs for GSA operations and SGMA compliance costs as low as possible. Glenn County will continue to serve as the Program Manager for the GGA GSA which serves as the business model with the lowest GSA administration costs. This will benefit the member agencies and those within the GSA service area who are relying on the GSA to ensure that SGMA compliance is achieved for all landowners within the GSA service area boundary. Current GGA charges paid by landowners since 2019 have covered GSA operations costs to date.



GSP Costs

The Colusa Subbasin GSP split costs into three aggregate cost categories:

- **GSA Administration Costs:** Costs incurred by the GGA GSA for administration of the GSA operations, including administration related to the GSP.
- **GSP Implementation and SGMA Compliance Costs:** Costs incurred by the GGA GSA related to GSP implementation and SGMA compliance.
- **Project and management Action (PMA) Costs:** Costs that are specific to individual PMAs. Funding sources for PMA costs have not been identified at this time. Grant funding and other sources will be evaluated to fund these projects and programs.

GSA Administration Costs

GSA Administration costs include costs that the GGA GSA will incur for GSA operations and implementation of the GSP on behalf of its members and stakeholders. GSA Administration costs in the Colusa Subbasin were based on the estimated costs as reported in the project development and implementation chapters of the GSP and updated to reflect the best available information. LSCE reviewed and inventoried these costs, then evaluated different business models to identify the lowest cost option for GSA operations.

GSA Administration costs include GSA Administration personnel costs, office expenses, professional services, Glenn County Department of Finance fees, legal expenses, and contingency. The GSA Administration budget covers day-to-day activities to implement the GSP, such as public outreach, legal services, financial reporting, and other tasks. An annual inflation factor is recommended for inclusion in the GSA Administration budget. Finally, the Contingency adds 10% of the estimated budget to cover unexpected costs. These costs are shown in **Table 1** below. The Colusa Subbasin GSP estimated total GSA Administration costs at \$250,000 per year, with actual costs coming in at \$170,000 per year by continuing with the County serving as the Program Manager as the most cost-effective administration approach for the GSA.



Table 1. Glenn Groundwater Authority GSA – Long-Term Funding Fee Project Updated Five-Year Revenue Projections – GSA Operational Budget (assuming NO DWR SGMA Implementation Grant Funds)						
5-Year GSP Implementation Inflation Adjustment	0%	CPI	CPI	CPI	СРІ	
Proposed	Year 1	Year 2	Year 3	Year 4	Year 5	
Fiscal Year	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28	
Cost Category - GSA Administration						
Administration - Contracted Services	\$170,000	\$200,000	\$220,000	\$170,000	\$170,000	
Legal Services	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	
CPA Audit Services - Financial	\$10,000	\$10,500	\$11,000	\$11,500	\$11,500	
JPA Insurance	\$2,000	\$2,500	\$2,500	\$2,500	\$2,500	
County A-87 Cost Alloc. (Bookkeeper Services)	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	
Professional Services	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	
Board Expenses	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	
Special Department Expenses	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	
Legal Notices	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	
County Tax Roll Fee	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	
Contingency (10%)	\$40,750	\$43,850	\$45,900	\$40,950	\$40,950	
GSA Administration Subtotal	\$448,250	\$482,350	\$504,900	\$450,450	\$450,450	

GSP Implementation and SGMA Compliance Costs

GSP implementation and SGMA compliance costs include Annual Reporting, GSP Five-Year Updates, GSA Coordination and Outreach, Surface-Groundwater interaction modeling, data management system (DMS) maintenance and updates, financial planning, and grant procurement to implement priority projects. DWR is currently reviewing the Colusa Subbasin GSP and will issue an assessment after it completes the review. In addition to this ongoing assessment, the Colusa Subbasin GSP must be updated in 2027. Monitoring and Implementation covers GSA-level monitoring of wells and water uses and updating the DMS as needed.

The GGA GSA will coordinate with other GSAs in the region regarding GSP implementation and SGMA compliance activities. All landowners subject to the GGA GSA long-term charge will pay its share of the GSA Administration and GSP implementation costs including the activities for implementation of the GSP. The Colusa Subbasin GSP implementation and SGMA compliance costs were based on the data reported in the GSP and updated to reflect actual GSP implementation and SGMA compliance costs.

GSP Implementation and SGMA Compliance activities include:

• Annual Reports: Collect data, prepare and submit Annual Reports to DWR each April 1. These Reports serve as a report card on groundwater conditions in the Subbasin.



- **Five-Year GSP Updates**: The GSA must prepare and submit Five-Year GSP updates to DWR which includes conducting updated groundwater modeling calibrations and preparing the updated GSP Report based on Annual Report data.
- **Surface-Groundwater Interaction Modeling**: Collaborate with GSAs in the Northern Sacramento Valley to address surface-groundwater interactions especially for boundary conditions in GSA service areas to better understand the surface water-groundwater interaction and ensure that groundwater depletions will not impact surface water interactions or environmental uses.
- **GSA Coordination and Outreach**: The GSA will need to continue with intra and inter-basin GSA coordination and outreach activities to facilitate GSP implementation in an efficient and collaborative manner.
- **DWR Review of GSA GSP**: The GSA will need to respond to any comments provided by the DWR regarding submittal of the Colusa Subbasin GSP. This may include items for inclusion in the 2027 GSP update process.
- **GSP Monitoring and Data Management**: Well monitoring and maintenance and the implementation and maintenance of a data management system.
- **GSA Financial Planning**: GSA financial planning will continue to evaluate future GSA funding sources for GSA operations and project implementation.
- **Grant Procurement**: Identify and apply for federal, state, and private grants to supplement GSP implementation activities and keep future charges as low as possible.
- **Contingency:** An eight percent contingency is included in the estimated SGMA compliance budget to cover unexpected costs.

The long-term GSP implementation and SGMA compliance costs in the GSP were updated to reflect actual costs and refined assumptions that were incorporated into the updated revenue projections as shown in **Table 2** below. These costs are between \$319,680 and \$332,775 per year, or approximately \$1,600,000 over the 5-year period. Note that the costs do not include an inflation adjustment factor which is recommended for inclusion in the final revenue projections.



Table 2. GGA GSA SGMA Compliance Cost Projections (assuming no DWR SGMA grants)					
Cost Category – SGMA Compliance	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28
Annual Reporting (w/DWR monitoring)	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
Five Year GSP Update w/Modeling Calibrations (due 2027)	\$60,625	\$60,625	\$60,625	\$60,625	\$48,500
Surface-GW Interaction Modeling	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
GSA Coordination & Outreach (w/in and between GSAs)	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
Data Management System Upgrades and Maintenance	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
Long Term Financial Planning/Fees	\$17,500	\$17,500	\$17,500	\$17,500	\$17,500
Grant Procurement	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
GSP Project Implementation and Monitoring	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Contingency (8%)	\$24,650	\$24,650	\$24,650	\$24,650	\$23,680
SGMA Compliance Subtotal	\$332,775	\$332,775	\$332,775	\$332,775	\$319,680

PMA implementation costs would be covered through outside grant funding sources and other revenue sources as available. Project funding efforts would be the responsibility of the lead project proponent (or partners) based on any cost sharing arrangements or project implementation agreements in place between the interested parties.

A summary of the Colusa Subbasin GSA projects and programs requesting grant funding through the 2022 DWR SGMA Implementation Round 2 funding cycle are included in **Table 3** below.

Table 3. Colusa Subbasin – DWR 2022 SGMA Grant Funding Request					
DWR SGMA Implementation Grant Application Components	Budget				
Component 1: Grant Agreement Administration	\$1,373,812				
Component 2: On-Going Monitoring, Data Gaps, and Network Enhancements	\$2,590,000				
Component 3: Tehama Colusa Canal Trickle Flow Recharge Project	\$1,599,000				
Component 4: Orland Artois Recharge Project	\$8,000,000				
Component 5: GSP Implementation, Outreach and Compliance Activities	\$1,637,500				
Component 6: Sycamore Slough Recharge Project	\$2,000,000				
Component 7: GGA Recharge Project	\$2,000,000				
Component 8: Glenn Colusa Irrigation District In-Lieu Recharge Project	\$500,000				
Component 9: Spring Valley Recharge Project	\$90,000				
Total DWR Grant Funding Request	\$19,791,312				

LSCE assisted with the preparation of the Colusa Subbasin DWR SGMA Implementation Round 2 grant funding application which was submitted to DWR in December 2022 with grant awards expected to be



announced by DWR in the Summer of 2023. Depending on DWR grant award decisions, future GGA GSA charges could be lower if some of the SGMA compliance actions are grant funded. The GGA GSA Board may consider this item as part of the long-term charge approval process.

Colusa Subbasin GSP Revenue Needs

The Colusa Subbasin GSP implementation revenue needs are based on the estimated GSP costs for GSA Operations and SGMA Compliance actions for both the GGA and CGA. As described earlier, LSCE coordinated with the GSAs and stakeholder process to present and receive feedback on the estimated GSA costs. Outcomes included:

- GSA administration and legal costs are updated to reflect the GSA's best estimates of implementation costs assuming both GSAs continue with current Program Manager roles and that legal costs in the revenue needs projections are sufficient to cover day to day activities and additional legal costs are projected to be set aside for any legal challenges that could impede GSA progress.
- The GGA GSA administration budget includes annual costs for staffing and office expenses that the GSA would incur for GSA operations and GSP implementation.
- The GGA and CGA would cost share similar SGMA compliance costs each paying their proportional share of total GSA revenue projections since they are both located within the Subbasin.
- PMA costs will be excluded from the initial revenue needs assessment because these costs may be developed and funded by individual project proponents under separate funding processes or through other funding sources.

Revenue needs would account for expected general cost inflation over a five-year planning horizon, the statutory limit for projected charges under the Proposition 218 charge process. The GSA will periodically review, and revise revenue needs as the GSA moves forward with GSP implementation based on updated cost information, economies of scale, and related factors.

Table 4 summarizes total projected revenue needs for the five-year period from FY23-24 through FY27-28 showing additional detail for cost categories within the GSA administration and GSP implementation and SGMA compliance costs. While actual costs for the respective budget items may be projected, these items reflect the best current estimates available from known information. Initial revenue needs are approximately \$448,250 in administration costs and \$332,775 for GSP implementation and SGMA compliance costs with total annual revenue projections ranging between \$770,130 and \$837,675.



Table 4. Glenn Groundwater Authority GSA – Long-Term Funding Fee Project					
Updated Five-Year Revenue Projections – C	GSA Operati	onal Budge	t (assuming	, NO DWR S	GMA
Implement	ation Grant	Funds)			
5-Year GSP Implementation Inflation Adjustment	0%	CPI	CPI	CPI	CPI
Proposed	Year 1	Year 2	Year 3	Year 4	Year 5
Fiscal Year	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28
Cost Category – GSA Administration	1	r	r	r	
Administration - Contracted Services	\$170,000	\$200,000	\$220,000	\$170,000	\$170,000
Legal Services	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
CPA Audit Services - Financial	\$10,000	\$10,500	\$11,000	\$11,500	\$11,500
JPA Insurance	\$2,000	\$2,500	\$2,500	\$2,500	\$2,500
County A-87 Cost Alloc. (Bookkeeper Services)	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500
Professional Services	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000
Board Expenses	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
Special Department Expenses	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
Legal Notices	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
County Tax Roll Fee	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
Contingency (10%)	\$40,750	\$43,850	\$45,900	\$40,950	\$40,950
GSA Administration Subtotal	\$448,250	\$482,350	\$504,900	\$450,450	\$450,450
Cost Category – SGMA Compliance					
Annual Reporting (with DWR monitoring)	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
Five Year GSP Update w/Modeling	\$60,625	\$60,625	\$60,625	\$60,625	\$48,500
Calibrations (due 2027)					
Surface-GW Interaction Modeling	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
GSA Coordination & Outreach (w/in and between GSAs)	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
Data Management System Upgrades and Maintenance	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
Long Term Financial Planning/Fees	\$17,500	\$17,500	\$17,500	\$17,500	\$17,500
Grant Procurement	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
GSP Project Implementation and Monitoring	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Contingency (8%)	\$24,650	\$24,650	\$24,650	\$24,650	\$23,680
SGMA Compliance Subtotal	\$332,775	\$332,775	\$332,775	\$332,775	\$319,680
Total GGA GSA Operational Budget	\$781,025	\$815,125	\$837,675	\$783,225	\$770,130

Adjusting for Inflation

GSP implementation costs will be impacted by inflation as they are long-term charges and inflation is a long-term phenomenon that impacts the costs of service for consumers, producers and suppliers in the



economy. Over the past ten years we have moved from a low inflation to a high inflation environment. It is important to include an inflation adjustment factor in the GGA GSA revenue projections so that adequate revenues are available to accomplish necessary tasks and actions during the planning period. LSCE recommends that the GGA GSA consider some adjustment for inflation during the five-year charge implementation period. The GGA GSA Board has decided to apply an annual CPI index adjustment that would be applied to all revenue needs over years 2 through 5 over the five-year planning period.

GSA Fees

GSAs may levy fees and assessments within their respective GSA service area boundaries, pursuant to the applicable requirements and authorities of SGMA, Proposition 13, Proposition 26, and Proposition 218. California Water Code (CWC) § 10730 et seq. describes the various financial authorities provided to GSAs to fund the costs of their GSP and groundwater sustainability management efforts. SGMA authorizes GSAs to impose charges to fund the cost of administration, operations, permitting, property and services acquisitions, water supply, a prudent reserve, and other activities necessary or convenient to implement the plan. The different authorities allow GSAs to structure funding that could be imposed upon different units of measure. Charges that are adopted by the GSA may be adjusted periodically as new funding needs are identified and new data becomes available. Proposition 218, which is based on a property fee, is the most common method by which GSAs currently structure funding. The current GGA GSA charges were approved through a Proposition 218 process. Additional information regarding the Proposition 218 approach to establishing updated GGA GSA charges is provided in **Attachment 2.** The recommended long-term funding mechanism for the GGA GSA is to pursue a Proposition 218 process which is the most common method applied by GSAs to date and supports a property-based charge structure for all landowners within the GSA service areas boundary.

Attachment 2 also contains additional information about Proposition 218 and 26 funding options. The Proposition 218 process allows for a majority vote whereby those subject to the charge can submit protest ballots voting against the proposed charges being considered by the GSA Board. The GSA Board would count the number of protests received at the close of the public hearing. If a majority protest is received (50% + 1, one vote per parcel) the GSA Board would not be able to approve a proposed charge. Proposition 218 has specific notice, ballot, and voting requirements that require notice to all landowners subject to a proposed charge at least 45-days before the Board would consider approving a proposed charge disclosing the time and location of the public hearing.

Member agencies may consider paying the property fee collectively for their constituents in urban areas with smaller parcels through an MOU or similar method on an annual basis. Member agencies can decide which charge approach they prefer for their constituents by May 2023 when the GGA GSA plans to approve the 2023 Charge Report. A draft Charge Report table of contents is included in **Attachment 3**.

Member agencies who choose to enter into a cost sharing MOU with the GGA GSA would commit to making annual contributions to the GSA with agreed to payment schedule and amount based on approved GGA GSA charges and final determination as to the appropriate cost sharing allocation for each contributing entity. It is recommended that MOUs making this payment commitment be approved in July 2023 in accordance with when the GGA GSA Board would consider approving new long-term GSA charges that cover the updated revenue projections included in **Tables 1-3**.



FUNDING OPTIONS - COST ALLOCATION APPROACHES

The GGA GSA established updated revenue projections over the upcoming five-year period for use in evaluated long-term funding options. The GGA GSA discussed a range of funding options and resulting cost allocation approaches. These included simpler options, such as combining GSA-level administration and its share of GSP implementation and SGMA compliance costs and uniformly distributing costs per acre within the GSA, and more complex options, such as distributing costs based on irrigator/non-irrigator delineations and considering land use hybrids that would consider land and/or water use factors. The GGA GSA Board expressed support for cost allocation approaches that were easy to understand and implement, fair and equitable, reasonable, and had lower implementation costs that would not significantly increase final funding recommendations. All funding options being considered were based on meeting updated GGA GSA revenue projections over the project planning horizon.

The GGA GSA Board discussed long-term funding options while developing the updated revenue projections and wanted to consider any legal implications for different charge options that could further increase legal expenses for the GSA or result in new legal challenges. Legal challenges for any funding mechanism result in increased future charges for all landowners within the Subbasin.

The GGA GSA Board approved the exploration of the following long-term charge options at the March 2023 meeting and directed LSCE to conduct a funding option evaluation process with more in-depth evaluation and analysis noting trade-offs (pros/cons) between the options that would assist the Board in selecting a preferred funding mechanism at the May 2023 Board meeting. The funding options prioritized for further evaluation include:

- **Uniform**. A uniform cost allocation would combine all costs and evenly distribute them across the GGA GSA service area on a per-acre basis. In a uniform approach, a flat fee per acre would be assessed to landowners within the GGA GSA service area boundary. The uniform charge is supported because it provides SGMA compliance benefits to all landowners paying the charge.
- Irrigated/Non-irrigated. This option would allocate a higher percentage of total GSA costs to irrigators who rely on groundwater resources and would benefit directly from achieving groundwater sustainability. Non-irrigators would be subject to lower GSA charges and pay a smaller proportion of total GSA costs. This method would require parcel-level data distinguishing between irrigated and non-irrigated parcels and would require the development of user class definitions. There would be additional implementation costs for the GSA.
- Land Use Hybrid. This option could consider land use, Evapotranspiration (ET), and/or estimated groundwater use criteria to refine property fees based on the inclusion of more intricate parcellevel data. This option would focus on defining parcels by their respective dependence on groundwater use. More user classes would be included in this approach with distinct user class definitions based on levels of groundwater use. This method could include currently metered and acceptable estimated groundwater pumping based on a 15–20-year groundwater use dataset. This option would have higher implementation costs than the uniform or irrigated/non-irrigated charge options and would be more challenging to understand and additional time would be needed to implement.



- Metering Groundwater Extraction (excluded). Metering all groundwater use in the Subbasin would be extremely expensive to implement and would significantly increase GSA charges. <u>This</u> <u>option was excluded from further exploration</u> because there is not sufficient information currently available and the projected costs to install meters and implement supporting meter reading program and data management system are high. Applying the meter information would take years to implement. Additionally, the GSA does not want to become the revenue collector.
- Well Registration Program (excluded). Establishing a well registration program is a substantial
 and expensive undertaking. A Well Registration Program would likely need to conduct a broad
 survey with field verification as to the location of all wells in the Subbasin and to document key
 information about each well including well casing size and pumping horsepower. Then the well
 information would need to be incorporated into a data management system for easy access,
 updating, and possible future charge assessments. This option was excluded from further
 exploration because this information is not currently available and would be expensive to develop
 the well database and applying the information to a future charge approach that would take years
 to implement. This approach could also result in the GSA becoming the revenue collector.
- Land Use Hybrid-Real-time ET (excluded). Open ET and other tools such as Land IQ can make realtime ET information available as a surrogate for metering water use. ET based approaches for setting GSA charges are being utilized in other parts of the State where groundwater overdraft conditions exist. While the ET data can be collected and validated with in-field instrumentation, it is very costly to implement and would increase GSA administration costs. <u>This option was excluded</u> from further exploration because of the higher implementation costs and impacts on future GSA revenue projections and increased complexity for charge implementation and understanding. Additionally, the GSA does not want to become the revenue collector.
- Member Contributions (excluded). The GGA member agencies provided some financial contributions toward initial GSA operations. If the member agencies had adequate reserves or available funds in their respective budgets, they could each make annual contributions based on their fair share of total GSA revenue projections to fund the GSA operations and SGMA compliance action items. This option was excluded from further exploration because the member agencies do not have adequate funds available from their respective budgets and do not expect to have adequate funds available in their future budgets to pursue a member contribution approach for meeting future GSA revenue projections.
- Land Use Hybrid-Parcel-Area Based Charges (excluded). This option would have separate funding
 structures for GSA operational costs funded on a per parcel basis and SGMA compliance costs
 funded based on a per acre basis. <u>This option is excluded from further exploration</u> because the
 parcel charge would undercharge small parcels and overcharge large parcels. In addition, this
 charge model has not been adopted by any other GSAs at this time.

The GGA GSA will assess the funding options analyzed in this TM and provide a recommendation for the proposed charges to be included in the Charge Report which will be considered at the June 2023 GSA Board meeting. Several cost allocation methods, and revenue recovery methods, would result in additional implementation costs for additional data acquisition, monitoring and enforcement, such as remote sensing or metering, and technical support that would result in higher charges for those subject



to the fees. **Table 5** summarizes funding option implementation cost estimates. These implementation costs would add to actual charges calculated using any given option below.

Table 5. GGA GSA Funding Option Estimated Implementation Cost (\$/ac.)					
Charge Option	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28
Irrigated/Non-Irrigated	\$0.13	\$0.14	\$0.14	\$0.15	\$0.13
Land Use Hybrid Crop Type	\$1.10	\$1.13	\$1.16	\$1.20	\$1.07
Well Registration/Permit System	\$1.14	\$1.28	\$1.41	\$1.56	\$1.02
Land Use Hybrid Crop ET	\$2.03	\$2.09	\$2.15	\$2.20	\$1.97
Metered Groundwater Extraction	\$5.36	\$5.61	\$5.85	\$6.09	\$5.12

Funding options consider the GSA service area information in **Attachment 4** and are guided by the factors below to help determine which charge option would be most suitable for the GGA GSA Board to consider for approval in 2023.

- Reasonable
- Sufficient
- Equitable
- Easy to Understand and Implement
- Low Implementation Costs

The GGA GSA Funding Ad-hoc Committee requested that the TM include the funding options charges on an equivalent annualized total assessment basis for discussion purposes. The annualized charge is the average of the charges over a five-year period that could be charged per year. Annual charges would be the same throughout the five-year period as long as they do not exceed the established maximum charge.

Uniform Funding Option

This option typically results in a \$/acre charge based on spreading the GSA revenue needs across the Subbasin on a per acre basis. This is the most common type of GSA charge in place throughout California and the current metric utilized by the GGA. The charge is calculated by dividing the total GSA costs by the total net assessable acreage in the Subbasin. Federal, State and Tribal lands are exempt from SGMA related charges, see **Table 6** below.

Table 6. GGA GSA Uniform Funding Option by Charge Basis						
GGA GSA Funding Option Charge Basis FY23-24 FY24-25 FY25-26 FY26-27 FY27-2						
Total GSA Revenue Needs (\$)	\$781,025	\$815,125	\$837,675	\$783,225	\$770,130	
Total GSA Net Assessable Acres	270,072	270,072	270,072	270,072	270,072	
Proposed Total Assessment (\$/ac.) \$2.89 \$3.02 \$3.10 \$2.90 \$2.85						
Annualized Total Assessment (\$/ac.)	\$2.95	\$2.95	\$2.95	\$2.95	\$2.95	

Pros: Easy to understand and implement, low implementation costs, minimal impact on GSA budget.

<u>Cons</u>: Inability to distinguish and categorize benefits from groundwater sustainability.



Uniform charges are presented annually as well as on the annualized basis over the five-year period to indicate the possible charge impacts. The GGA GSA will annually assess the GSA revenue needs and consider adjusting the assessment within the maximum allowable charge included in the Fee Study.

The FY23-24 annual estimated assessment impacts using the Uniform funding option is summarized in **Table 7** below.

Table 7. GGA GSA Uniform Funding Option Charge Basis Cost Impact by Acre Parcel							
	0.5 Acre Parcel	1.0 Acre Parcel	5 Acre Parcel	10 Acre Parcel	50 Acre Parcel		
Proposed Total Assessment (\$/ac.)	\$1.45	\$2.89	\$14.46	\$28.92	\$144.60		
Annualized Total Assessment (\$/ac.)	\$1.48	\$2.95	\$14.76	\$29.53	\$147.63		

The Uniform funding option would be levied through the landowner's property tax bill through the County Department of Finance. The GSA would update annual assessments for the GSA assessment based on GSA revenue needs within the maximum allowable charge approved by the Board.

DWR Grant Funding Impact

If DWR approves some of the top priority projects in the Colusa Subbasin DWR SGMA Implementation Proposition 68, Round 2 grant funding application the actual assessments could be set below the maximum charge based on lower revenue needs and corresponding lower charges. This information will be discussed with the GGA GSA Board of Directors once DWR has notified GSAs of planned grant funding awards for each GSA who applied for SGMA implementation funding in December 2022.

Irrigated/Non-Irrigated Funding Option

This option was included based on input received from public meetings held in March 2023 by the GGA GSA to solicit input in future charge options they should evaluate. In addition, this charge option reflects some of the principals discussed by the Westside Ad-hoc Committee in 2020 which recommended the GSA consider charge options that allocate costs based on benefits received and relative groundwater use in the service area.

This charge option typically results in a different \$/acre assessment for irrigated vs. non-irrigated lands based on allocating a higher percentage of the total GSA revenue needs to irrigated acreage which may receive more benefit from the Subbasin achieving water balance and sustainability metrics by 2042. This type of assessment has recently been considered by many GSAs in California, however very few have adopted this type of assessment option. The Irrigated/Non-irrigated funding option is based on allocating more of the total GSA costs to the irrigators who will be able to continue to divert and/or pump a reliable source of water if Colusa Subbasin can meet its long-term water balance objective. The cost allocation for this funding option is summarized in **Table 8** below.



Table 8. GGA GSA Irrigated/Non-Irrigated Funding Option - Cost Allocation Summary						
Irrigated Parcels Non-Irrigated Parcels						
GSA Administration Costs (by area)	96%	4%				
SGMA Compliance Costs 96% 4%						

The GSA Administrative and SGMA compliance costs are combined to represent the total GSA costs for SGMA compliance. The irrigated acreage is responsible for a majority of the long-term groundwater use in the Colusa Subbasin and therefore should pay a majority of the total costs associated with SGMA compliance. Irrigated acreage includes urban areas and other lands that are partly or wholly irrigated on a permanent basis. Non-irrigated cost allocation for SGMA compliance costs includes cost share for the Five-Year GSP Update item because they are in the Subbasin and must be included in that Report to DWR to achieve SGMA compliance. The other SGMA compliance cost items are allocated to the irrigators because they are directly or indirectly related to groundwater use which benefits irrigated lands at a higher rate than non-irrigated. If non-irrigated land became irrigated (e.g., adds a new well with a County permit) the land would be reclassified as an irrigated parcel under this option upon approval of the well permit. This option would only include net assessable acreage with Federal, State and Tribal lands exempt from SGMA related charges as indicated in **Attachment 4**.

Table 9. GGA GSA Irrigated/Non-Irrigated Funding Option – Irrigated Charge Basis					
	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28
Total Irrigated GSA Revenue Needs (\$)	\$749,784	\$782,520	\$804,168	\$751,896	\$739 <i>,</i> 325
Total Irrigated GSA Net Assessable Acres	210,168	210,168	210,168	210,168	210,168
Proposed Total Irrigated Assessment (\$/ac.)	\$3.57	\$3.72	\$3.83	\$3.58	\$3.52
Annualized Total Irrigated Assessment (\$ac.)	\$3.64	\$3.64	\$3.64	\$3.64	\$3.64

The Irrigated assessments based on the cost allocation assumptions above are presented in Table 9 below.

The Non-Irrigated charges based on the cost allocation assumptions are presented in Table 10 below.

Table 10. GGA GSA Irrigated/Non-Irrigated Funding Option – Non-Irrigated Charge Basis					
	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28
Total Non-Irrigated GSA Revenue Needs (\$)	\$31,241	\$32,605	\$33,507	\$31,329	\$30 <i>,</i> 805
Total Non-Irrigated GSA Net Assessable Acres	78,117	78,117	78,117	78,117	78,117
Proposed Total Non-Irrigated Assessment (\$/ac.)	\$0.40	\$0.42	\$0.43	\$0.40	\$0.39
Annualized Total Non-Irrigated Assessment (\$ac.)	\$0.41	\$0.41	\$0.41	\$0.41	\$0.41



Table 11. GGA GSA Irrigated Funding Option Annual Charge Impact					
0.5 Acre1.0 Acre5 Acre10 Acre50 AParcelParcelParcelParcelParcel					50 Acre Parcel
Proposed Total Assessment (\$/ac.)	\$1.78	\$3.57	\$17.84	\$35.68	\$178.38
Annualized Total Assessment (\$/ac.)	\$1.82	\$3.64	\$18.21	\$36.43	\$182.13

The FY23-24 annual cost impact on the Irrigators is summarized in Table 11 below.

The FY23-24 annual cost impact on the non-irrigators is summarized in Table 12 below.

Table 12. GGA GSA Non-Irrigated Funding Option Annual Charge Impact					
	0.5 Acre Parcel	1.0 Acre Parcel	5 Acre Parcel	10 Acre Parcel	50 Acre Parcel
Proposed Total Assessment (\$/ac.)	\$0.20	\$0.40	\$2.00	\$4.00	\$20.00
Annualized Total Assessment (\$/ac.)	\$0.20	\$0.41	\$2.04	\$4.08	\$20.42

An Irrigated/Non-irrigated option is presented below which distinguishes between irrigators who use surface water on a permanent basis and irrigators who use groundwater on a permanent basis. This option is presented to provide a charge differential for those landowners who rely primarily on surface water supplies which provide a long-term net groundwater recharge (direct or in-lieu) benefit. The GGA GSA Board could consider approving this option as a variation to the straight Irrigated/Non-Irrigated charge option approach indicated in Tables 9 and 10 above.

For this version of the Irrigated/Non-irrigated option the cost allocation would be based on creating three (3) charge classifications: non-irrigated, irrigated-surface water, and irrigated-groundwater. The proposed cost allocations for this option are presented in Table 13 and 14 below.

Table 13. GGA GSA Irrigated/Non-Irrigated Funding Option - Cost Allocation Summary					
	Irrigated Parcels	Non-Irrigated Parcels			
GSA Administration Costs	96%	4%			
SGMA Compliance Costs	96%	4%			

Table 14. GGA GSA Irrigated/Non-Irrigated Funding Option - Cost Allocation Summary					
	Irrigated-Surface Water Parcels	Irrigated-Groundwater Parcels			
Allocation of Irrigated Parcel Costs	45%	55%			

Based on the revised cost allocation approach for this option the result will be three (3) recommended charge classifications as presented in Tables 15-17 below.


Ms. Lisa Hunter May 31, 2023 Page 17

Table 15. GGA GSA Irrigated/Non-Irrigated Charge, Non-Irrigated Charge					
	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28
TOTAL GGA Operational Budget	\$781,025	\$815,125	\$837,675	\$783,225	\$770,130
Total Fee Weighted Acreage	248,554	248,554	248,554	248,554	248,554
Unit Cost per Acre	\$3.14	\$3.28	\$3.37	\$3.15	\$3.10
Non-Irrigated Cost Per Acre	\$0.352	\$0.368	\$0.378	\$0.353	\$0.347
Non-Irrigated Total Costs	\$15,250	\$15,916	\$16,356	\$15,293	\$15,037
Irrigated/Non-Irrigated Implementation Costs	\$0.14	\$0.14	\$0.14	\$0.14	\$0.14
Total Non-Irrigated Fee (\$/ac)	\$0.49	\$0.51	\$0.52	\$0.49	\$0.49

Table 16. GGA GSA Irrigated/Non-Irrigated Charge, Irrigated-Surface Water Charge					
	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28
Surface Water Cost Per Acre	\$2.106	\$2.198	\$2.258	\$2.112	\$2.076
Surface Water Total Costs	\$334,182	\$348,772	\$358,421	\$335,123	\$329,520
Irrigated/Non-Irrigated Implementation Costs	\$0.14	\$0.14	\$0.14	\$0.14	\$0.14
Total Irrigated-SW Fee (\$/ac)	\$2.25	\$2.34	\$2.40	\$2.25	\$2.22

Table 17. GGA GSA Irrigated/Non-Irrigated Charge, Irrigated-Groundwater Charge					
	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28
Groundwater Cost Per Acre	\$5.08	\$5.30	\$5.45	\$5.09	\$5.01
Groundwater Total Costs	\$431,593	\$450,437	\$462,898	\$432,809	\$425,573
Irrig/Non-Irrig Implementation Costs	\$0.14	\$0.14	\$0.14	\$0.14	\$0.14
Total Irrigated-GW Fee (\$/ac)	\$5.22	\$5.44	\$5.59	\$5.23	\$5.15

There will be some additional Irrigated/Non-irrigated funding implementation costs vs. the Uniform fee which has the lowest implementation costs for any option. If considering the benefit of extraction is a critical driver for the GGA GSA long-term fees, then the Board may wish to consider this option which accounts for benefit of extraction compared to the Uniform charge option with relatively low implementation costs. Under this funding option irrigators (those using most of the groundwater resource) would pay a majority of the SGMA compliance costs because they benefit the most from the majority of total groundwater extractions in the Subbasin and determine the GGA GSA's ability to meet long-term water balance and sustainability metrics. Implementing the Irrigated/Non-irrigated fee option would require the establishment of fee policy with a framework provided in **Attachment 5**. The recommended fee calculations are provided in **Attachment 6**.



Ms. Lisa Hunter May 31, 2023 Page 18

Pros: Considers relative benefit from groundwater extraction.

<u>Cons</u>: Higher implementation costs, not as easy to understand, maintain, or implement.

Land Use Hybrid Funding Options

Land use hybrid methods could allocate funding through more detailed parcel-specific data, such as crop type, specific water use basis, geographic location of parcel, or other data that could indicate why a parcel would benefit from SGMA sustainability more or less than another parcel. To further evaluate this option, additional parcel level data would need to be developed so that more detailed cost allocation and assessment options could be analyzed for a long-term funding strategy. The challenge with these options is that the additional implementation costs associated with collecting, analyzing and applying the additional parcel level data are in some cases higher than the actual charge for a given option. In all cases the total charge is increased due to the additional implementation costs.

Table 19. GGA GSA Land Use Hybrid Funding Option – Implementation Costs (\$/ac)					
	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28
Irrigated/Non-Irrigated	\$0.13	\$0.14	\$0.14	\$0.15	\$0.13
Land Use Hybrid Crop Type	\$1.10	\$1.13	\$1.16	\$1.20	\$1.07
Well Registration/Permit System	\$1.14	\$1.28	\$1.41	\$1.56	\$1.02
Land Use Hybrid Crop ET	\$2.03	\$2.09	\$2.15	\$2.20	\$1.97
Metered Groundwater Extraction	\$5.36	\$5.61	\$5.85	\$6.09	\$5.12

Land use hybrid options evaluated are summarized in Table 18 below.

Irrigated/Non-Irrigated is a simplified form of a land use hybrid option with the lowest implementation costs. There is some overlap in benefit between the Land Use Hybrid Irrigated/Non-Irrigated and Crop Type options. Both options require at least annual updates to the associated parcel level data to ensure that any GSA funding is implemented in a fair and equitable manner. The Crop ET method is relatively expensive with the idea being to collect real-time ET data to accurately measure consumption use of crop and land use types with tiered charges possible to allocate more GSA costs to high users. This method is very data intensive and would likely require more GSA staff time to administer the charges than either the Uniform or Irrigated/Non-Irrigated options. Most GSAs have declined to develop specific land use funding because of the increase in implementation costs without receiving additional benefits for the GSA and those subject to the charges. The GGA GSA has provided direction that funding options that would require the GSA to be responsible for billing and collecting long-term GSA charges is through the County property tax roll process. More information is available in **Attachment 7** with some conceptual land use hybrid options that are infeasible for this fee cycle.

Pros: Ability to consider specific land use data and development of tailored assessments.

<u>Cons</u>: High implementation costs, more difficult to implement and understand, higher charges, GSA becomes billing collector.



Funding Option Comparison

Table 16. Funding Option Comparison					
GGA GSA Funding Options Comparison	Ease of Understanding	Ease of Implementation	Specific Parcel Benefit Analysis	Additional GSA Administration	Revenue Sufficiency
Uniform Charge	1	1	3	1	1
Irrigated/Non- Irrigated	2	2	2	2	1
Land Use Hybrid	3	3	1	3	2
Option Ranking: 1 = best, 3 = lowest					

The Uniform option has the highest ranking considering all funding option ranking criteria except for the specific parcel benefit analysis. The Uniform option is also proven and has been utilized successfully by many GSAs throughout California. The Irrigated/Non-Irrigated option is more equitable and allows delineation of user classes with similar characteristics providing a better nexus between fee charged and service provided. Several GSAs who are updating their current GSA assessments are considering these same options as they update their long-term GSA fees to meet future SGMA compliance costs. The bottom line is that specific parcel benefit analysis can be achieved, however it will increase charge implementation costs. Each GSA will have to decide what level of additional funding option implementation costs they are willing to pay to improve understanding benefits at the parcel level. Many GSAs want low charges that are easy to understand and implement without burdening GSA staff.

LONG TERM FEE RECOMMENDATION

The recommendation is that the GGA GSA consider approving: the Irrigated/Non-Irrigated fee option as the most cost-effective way to achieve parcel benefit analysis and fee equity for those subject to the fee. This option would be included in the Fee Report deliverable to be presented at the June 2023 Board meeting unless the GGA GSA Board approves a preferred charge option at the May 2023 meeting.

FEE DETERMINATION

The goal of the GGA GSA Board is to establish a long-term sustainable revenue source to reliably fund the GSA operations and SGMA compliance and GSP implementation costs at the lowest possible cost for landowners within the GGA GSA service area. This is the first updated long-term charge the GGA GSA has considered since approving the initial charge in 2019 to fund GSA operations and GSP development. Working together in the Colusa Subbasin will be the key to success in managing local groundwater resources through a local GSA. The GGA GSA plans to implement its updated long-term funding charge through the local property tax bill which is the lowest cost method available for implementing these



Ms. Lisa Hunter May 31, 2023 Page 20

necessary assessments. The GGA GSA will be using this TM to evaluate the best available long-term funding option(s). During the May 2023 GGA GSA Board meeting the Board will be providing direction on the recommended fee to include in the Fee Report that would be reflected in the Proposition 218 Notice sent to all landowners.

The next steps in the GGA GSA's 2023 long-term funding project are highlighted below:

- May 8 GGA GSA Board Meeting consider Project Funding Option Evaluation TM and provide direction on the Charge Report development.
- June GGA GSA Board Meeting approve the Project Fee Report (with recommended fees).
- July/August GGA GSA Board Meeting hold hearing and vote on proposed long-term GGA GSA fees.
- August 2023 Property Tax Roll data to Glenn County Assessor's Office.

Information regarding long-term funding will be updated regularly on the GGA GSA website regarding the 2023 long-term funding project and next steps in the process.



ATTACHMENT 1

Glenn Groundwater Authority GSA - GSP Adoption Process 2021-22



Groundwater Sustainability Agency

225 North Tehama Street, Willows, CA 95988 | 530.934.6540

August 27, 2021

City of Williams P.O. Box 310 Williams, CA 95987

RE: Colusa Subbasin Groundwater Sustainability Plan

Dear Honorable City Council,

The Glenn Groundwater Authority (GGA), in conjunction with the Colusa Groundwater Authority, is developing a draft Groundwater Sustainability Plan (GSP) for the Colusa Subbasin, pursuant to the Sustainable Groundwater Management Act (SGMA).

Water Code § 10728.4. reads in part:

A groundwater sustainability agency may adopt or amend a groundwater sustainability plan after a public hearing, held at least 90 days after providing notice to a city or county within the area of the proposed plan or amendment. The groundwater sustainability agency shall review and consider comments from any city or county that receives notice pursuant to this section and shall consult with a city or county that requests consultation within 30 days of the receipt of the notice.

PLEASE TAKE NOTICE that the GGA will hold a Public Hearing in December 2021 to consider adopting the GSP for the Colusa Subbasin.

Pursuant to SGMA, representatives of the GGA are available to provide consultation with, and receive comments on the GSP from your organization should consultation be requested. Comments may also be provided in writing during the public comment period beginning on September 13, 2021 and continue for 48 days closing on October 31, 2021. The draft GSP, or publicly released portions thereof, may be available at the Glenn Groundwater Authority website at: https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority

Consultations can be arranged, or questions can be answered by contacting Lisa Hunter, Glenn Groundwater Authority Program Manager, at <u>hunter@countyofglenn.net</u> or by phone at 530-934-6540.

Lisa Hunter Program Manager

Groundwater Sustainability Agency

225 North Tehama Street, Willows, CA 95988 | 530.934.6540

August 27, 2021

City of Colusa 425 Webster Street Colusa, CA 95932

RE: Colusa Subbasin Groundwater Sustainability Plan

Dear Honorable City Council,

The Glenn Groundwater Authority (GGA), in conjunction with the Colusa Groundwater Authority, is developing a draft Groundwater Sustainability Plan (GSP) for the Colusa Subbasin, pursuant to the Sustainable Groundwater Management Act (SGMA).

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Consultations can be arranged, or questions can be answered by contacting Lisa Hunter, Glenn Groundwater Authority Program Manager, at <u>hunter@countyofglenn.net</u> or by phone at 530-934-6540.

Lisa Hunter Program Manager

Groundwater Sustainability Agency

225 North Tehama Street, Willows, CA 95988 | 530.934.6540

August 27, 2021

County of Colusa 547 Market Street Colusa, CA 95932

RE: Colusa Subbasin Groundwater Sustainability Plan

Dear Honorable Board of Supervisors,

The Glenn Groundwater Authority (GGA), in conjunction with the Colusa Groundwater Authority, is developing a draft Groundwater Sustainability Plan (GSP) for the Colusa Subbasin, pursuant to the Sustainable Groundwater Management Act (SGMA).

Water Code § 10728.4. reads in part:

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PLEASE TAKE NOTICE that the GGA will hold a Public Hearing in December 2021 to consider adopting the GSP for the Colusa Subbasin.

Pursuant to SGMA, representatives of the GGA are available to provide consultation with, and receive comments on the GSP from your organization should consultation be requested. Comments may also be provided in writing during the public comment period beginning on September 13, 2021 and continue for 48 days closing on October 31, 2021. The draft GSP, or publicly released portions thereof, may be available at the Glenn Groundwater Authority website at: https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority

Consultations can be arranged, or questions can be answered by contacting Lisa Hunter, Glenn Groundwater Authority Program Manager, at <u>hunter@countyofglenn.net</u> or by phone at 530-934-6540.

Lisa Hunter Program Manager

Groundwater Sustainability Agency

225 North Tehama Street, Willows, CA 95988 | 530.934.6540

August 27, 2021

County of Glenn 525 West Sycamore Street, Suite B1 Willows, CA 95988

RE: Colusa Subbasin Groundwater Sustainability Plan

Dear Honorable Board of Supervisors,

The Glenn Groundwater Authority (GGA), in conjunction with the Colusa Groundwater Authority, is developing a draft Groundwater Sustainability Plan (GSP) for the Colusa Subbasin, pursuant to the Sustainable Groundwater Management Act (SGMA).

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Pursuant to SGMA, representatives of the GGA are available to provide consultation with, and receive comments on the GSP from your organization should consultation be requested. Comments may also be provided in writing during the public comment period beginning on September 13, 2021 and continue for 48 days closing on October 31, 2021. The draft GSP, or publicly released portions thereof, may be available at the Glenn Groundwater Authority website at: https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority

Consultations can be arranged, or questions can be answered by contacting Lisa Hunter, Glenn Groundwater Authority Program Manager, at <u>hunter@countyofglenn.net</u> or by phone at 530-934-6540.

Sincerely,

Lisa Hunter Program Manager

Cc: Scott DeMoss, CAO

Groundwater Sustainability Agency

225 North Tehama Street, Willows, CA 95988 530.934.6540

August 27, 2021

City of Willows 201 North Lassen Street Willows, CA 95988

RE: Colusa Subbasin Groundwater Sustainability Plan

Dear Honorable City Council,

The Glenn Groundwater Authority (GGA), in conjunction with the Colusa Groundwater Authority, is developing a draft Groundwater Sustainability Plan (GSP) for the Colusa Subbasin, pursuant to the Sustainable Groundwater Management Act (SGMA).

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Consultations can be arranged, or questions can be answered by contacting Lisa Hunter, Glenn Groundwater Authority Program Manager, at <u>hunter@countyofglenn.net</u> or by phone at 530-934-6540.

Lisa Hunter Program Manager

Groundwater Sustainability Agency

225 North Tehama Street, Willows, CA 95988 | 530.934.6540

August 27, 2021

City of Orland 815 Fourth Street Orland, CA 95963

RE: Colusa Subbasin Groundwater Sustainability Plan

Dear Honorable City Council,

The Glenn Groundwater Authority (GGA), in conjunction with the Colusa Groundwater Authority, is developing a draft Groundwater Sustainability Plan (GSP) for the Colusa Subbasin, pursuant to the Sustainable Groundwater Management Act (SGMA).

Water Code § 10728.4. reads in part:

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PLEASE TAKE NOTICE that the GGA will hold a Public Hearing in December 2021 to consider adopting the GSP for the Colusa Subbasin.

Pursuant to SGMA, representatives of the GGA are available to provide consultation with, and receive comments on the GSP from your organization should consultation be requested. Comments may also be provided in writing during the public comment period beginning on September 13, 2021 and continue for 48 days closing on October 31, 2021. The draft GSP, or publicly released portions thereof, may be available at the Glenn Groundwater Authority website at: https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority

Consultations can be arranged, or questions can be answered by contacting Lisa Hunter, Glenn Groundwater Authority Program Manager, at <u>hunter@countyofglenn.net</u> or by phone at 530-934-6540.

Lisa Hunter Program Manager

PROOF OF PUBLICATION

No. 4421

In the Matter of

Notice of Public Hearing for Adoption of the

Groundwater Sustainability Plan by the Glenn

Groundwater Authority in the Colusa Subbasin

State of California) County of Glenn) ss

The undersigned resident of the County of Glenn, State of California, says:

That I am, and at all time herein mentioned was a citizen of the United States and not a party to nor interested in the above entitled matter; that I am the principal clerk of the publisher of:

The Sacramento Valley Mirror

That said newspaper is one of general circulation as defined by Section 6000 Government Code of the State of California, Case No. 27,207 by the Superior Court of the State of California, in and for the County of Glenn,Case #02CV00614; that said newspaper at all times herein mentioned was published twice a week (on Wednesdays and Saturdays) in the town of Willows and County of Glenn; that the notice of which the annexed is a true printed copy, was published in said newspaper on the following days:

November 20, 27, 2021

I certify (or declare), under penalty of perjury, that the foregoing is true and correct, at the County of Glenn, Willows, California.

Date December 1, 2021 at Willows, California.

Donna Settle, Managing Editor

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 11/20, 11/27 North Tehama Street, Willows, CA 95988.

Groundwater Sustainability Agency

225 N. Tehama Street, Willows, CA 95988 | 530.934.6540

Board of Directors Meeting Materials

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 or by computer, smartphone, or tablet at:

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

Meeting Access Code: 325-875-421

1. CALL TO ORDER

The Chairperson will call the meeting to order and lead the <u>flag salute</u>.

2. ROLL CALL

Roll call will be conducted.

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)

Executive Order N-08-21 was issued on June 11, 2021 which provided guidance on a number of orders that were issued in relation to COVID-19. One change applied to Executive Order N-29-20 (issued March 17, 2020) relating to Open Meetings and teleconferencing stating the provisions of N-29-20 would apply through September 30, 2021.

On September 16, 2021, Governor Newsom approved Assembly Bill 361 relating to Open Meetings and teleconferencing requirements.

On October 11, 2021, Counsel provided an overview of the expiration of Executive Order N-29-20 and the passage of Assembly Bill 361. Beginning November 8, 2021, the Board has approved 2 Resolutions to Implement Teleconferencing Requirements During a Proclaimed State of Emergency. A Resolution must be passed every 30 days to remain effective.

Attachments

 RESOLUTION No. 2021-004 RESOLUTION TO IMPLEMENT TELECONFERENCING REQUIREMENTS DURING A PROCLAIMED STATE OF EMERGENCY

8. 1:30 pm PUBLIC HEARING: ADOPTION OF THE COLUSA SUBBASIN GROUNDWATER SUSTAINABILTY 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

In September 2014, the California Legislature enacted the Sustainable Groundwater Management Act (SGMA) to require sustainable groundwater management statewide. SGMA applies to all high and medium priority groundwater basins as determined by the Department of Water Resources. Implementation of SGMA is achieved through the formation of Groundwater Sustainability Agencies (GSAs) and the preparation and implementation of Groundwater Sustainability Plans (GSPs). GSPs for all high and medium priority basins, including the Colusa Subbasin, must be submitted to the Department of Water Resources by January 31, 2022.

The Glenn Groundwater Authority (GGA) was created by forming a Joint Exercise of Powers Agreement, signed by nine local agencies, with the purposes of being a Groundwater Sustainability Agency for the Glenn County portion of the Colusa Subbasin. A tenth member joined the Glenn Groundwater Authority October 14, 2019. The GGA is the exclusive GSA for the Glenn County portion of the Colusa Subbasin.

A second GSA, the Colusa Groundwater Authority (CGA) was established as the exclusive GSA for the Colusa County portion of the Colusa Subbasin. The two GSAs have worked collaboratively throughout the GSP development process to develop a single Colusa Subbasin GSP. This partnership was formalized through the execution of a voluntary Memorandum of Understanding between the CGA and GGA in April 2020. The Technical Advisory Committee (TAC) for each GSA met jointly several times since 2019 to discuss, evaluate, and make recommendations to their respective GSA on GSP development. GSA Board meetings and TAC meetings are open to the public and public engagement is encouraged.

Pursuant to Water Code section 10728.4, a notice was sent on August 27, 2021 to cities and counties within the area of the proposed plan (six entities). As a result, GGA staff gave presentations to the City of Orland and the City of Willows City Councils.

Draft sections of the GSP were posted to the website and public review periods were held to receive initial feedback on draft sections as they were developed. A complete draft GSP was prepared and released for a public review period beginning September 13, 2021 and ending October 31, 2021. A printed copy of the draft GSP was available for public review at the Planning and Community Development Services Agency lobby located at 225 North Tehama Street in Willows. Outreach meetings to provide an overview of SGMA, GSP progress, an overview of chapters, and to receive comments were held at regular intervals noted in the table below. Regular updates on GSP development have also been provided at GGA meetings.

GSP Chapter/Activity	Activity Start Date	Activity End Date	Activity Duration (days)	Outreach
Chapter 1 - Introduction	4/7/2021	5/5/2021	28	April
Chapter 2 - Plan Area	4/7/2021	5/5/2021	28	22 Joint
Chapter 3 - Basin Setting	4/7/2021	5/5/2021	28	CGA/GGA
Chapter 4 - Monitoring Network	4/7/2021	5/5/2021	28	Board Mtg
Chapter 5 - Sustainable Management Criteria	7/16/2021	8/13/2021	28	July 28
Chapter 6 - Projects and Management Actions	7/16/2021	8/13/2021	28	(virtual); July 29 (in person)
Chapter 7 - Plan Implementation	9/13/2021	10/31/2021	48	October 13
Chapter 8 - References and Technical Studies	9/13/2021	10/31/2021	48	(virtual);
Executive Summary	9/13/2021	10/31/2021	48	October 15
Complete Draft GSP	9/13/2021	10/31/2021	48	(in person)
Complete Final GSP	11/1/2021	11/30/2021	30	N/A
GSP Adoption by Agencies and Submittal to DWR	12/3/2021	1/31/2022	60	GGA Public Hearing 12/14/21; CGA Public Hearing 12/13/21

The Colusa Subbasin Groundwater Sustainability Plan is being presented for consideration of adoption. The Colusa Subbasin GSP is located online at: <u>https://www.countyofglenn.net/water-resources/colusa-</u><u>subbasin-groundwater-sustainability-plan</u>. A printed copy is available for review at the Planning and Community Development Services Agency located at 225 North Tehama Street, Willows, CA 95988.

As noted above, the Colusa Subbasin GSP considers input from staff, GSA members, TAC members, and members of the public. Input was received at GSA meetings, TAC meetings, public workshops, and through feedback received during public comment periods on initial draft GSP chapters.

Public comments received throughout the GSP development process and responses can be found on the "Box" account at <u>https://app.box.com/s/qs6t62aeb2syhg870h03g7tjzs13m099</u>. These comments are also included in the GSP in Appendix 2B-1.

Following adoption by the two GSAs, staff will work with the consultant team who will lead the effort to submit the Colusa Subbasin GSP to the Department of Water Resources.

Attachments

- 90-day notice to cities and counties
- Legal Notice: newspaper publication

(5-021.52 SACRAMENTO VALLEY COLUSA)



Point of Contact Information

Lisa Hunter, Water Resources Coordinator Glenn Groundwater Authority GSA 225 North Tehama Street | Willows, CA 95988 530-934-6540 | <u>Ihunter@countyofglenn.net</u> <u>http://www.countyofglenn.net/</u>

A GSA Eligibility Determination

1. Provide a description of your local agency's water supply, water management, or land use responsibilities within the groundwater basin / basins intend to manage.

Pursuant to Water Code Section 10723.8, the Glenn Groundwater Authority hereby notifies California Department of Water Resources of its decision to become a Groundwater Sustainability Agency (GSA) for the Glenn County areas of the Colusa Subbasin. It is the intent of the Gle Groundwater Authority to undertake sustainable groundwater management in the Glenn County areas of the Colusa Subbasin. The Glenn Groundwater Authority is composed of nine local agencies participating through a Joint Exercise of Powers Agreement (JPA). The nine signal agencies include County of Glenn, Provident Irrigation District, Princeton-Codora-Glenn Irrigation District, Kanawha Water District, Glenn-Col Irrigation District, Glide Water District, Orland-Artois Water District, City of Willows, and City of Orland. All agencies participating in this GSA h water supply, water management, or land use responsibilities. The County of Glenn, City of Willows, and City of Orland maintain land use responsibilities throughout their respective jurisdictions. The City of Orland and City of Willows (through California Water Service Company) a responsible for providing water services to residents and businesses within their jurisdictions. The remaining agencies were formed and operated under the provisions of California Water Code Sections 34000 et seq. (California Water Districts) or California Water Code Section 20500 et seq. (Irrigation Districts) and have responsibilities relating to water supply and water management.

2. Are you an "exclusive local agency" listed in Water Code §10723(c)?

No

B Decision to Become a GSA

06/20/2017

^{1.} Please enter the date your local agency, or agencies, decided to become or form a GSA.

2. Upload a copy of the Government Code §6066 notice.

ProofOfPublication_GlennGroundwaterAuthorityJPA.pdf (252.7kB) Uploaded on 06/29/2017 at 06:35PM Public Hearing-CS revise.pdf (40.3kB) Uploaded on 06/29/2017 at 06:36PM

3. Upload a copy of resolution forming the new agency.

GlennGroundwaterAuthorityResolutions_ExhibitB.pdf (4.3MB) Uploaded on 06/29/2017 at 06:37PM

4. If desired, please upload or provide additional information related to your local agency's decision to become or form a GSA.

The JPA Exhibits are in the process of being finalized and the will be routed to the member agencies for signatures. Once the JPA is complete the attached document will be replaced with the executed JPA. <u>GlennGroundwaterAuthorityLetterToDWR_2017Jun28FINALsignedWithAttachments.pdf (4.9MB)</u> Uploaded on 06/29/2017 at 06:37PM <u>GlennGroundwaterAuthorityJPAWithSignatures.pdf (4.9MB)</u> Uploaded on 06/29/2017 at 06:40PM

C Type of GSA Formation and Contact Information

GSA Name

Glenn Groundwater Authority GSA

1. Select a Point of Contact (POC) for your GSA.

Lisa Hunter

- 2. If you anticipate submitting multiple GSA notices on behalf of your local agency/GSA, please consider adding a "Local ID" for reference purpos distinctly identify separate areas you intend to manage.
- 3. Is this a Single-Agency or Multiple-Agency GSA?

SINGLE

D Map & Service Area Boundaries

1. Select Basin(s)/Subbasin(s) to be managed by the GSA.

5-021.52 SACRAMENTO VALLEY COLUSA

2. Upload a PDF map that clearly defines: (1) the service area boundaries of each local agency that is part of your GSA; and (2) the boundaries c basin(s) or portion of the basin(s) your GSA intends to manage.

<u>GlennGroundwaterAuthorityWithAgencyServiceAreas_2017June29.pdf (191.2kB)</u> Uploaded on 06/29/2017 at 06:51PM <u>GlennGroundwaterAuthority_2017June29_ExhibitA.pdf (157.1kB)</u> Uploaded on 06/29/2017 at 06:51PM

3. Upload service area boundary GIS shape file.

GlennGroundwaterAuthority_2017Jun29.zip (78.5kB) Uploaded on 06/29/2017 at 06:51PM

4. Upload GSA area boundary GIS shape file.

GlennGroundwaterAuthority 2017Jun29.zip (78.5kB) Uploaded on 06/29/2017 at 06:52PM

5. If desired, please provide information that clarifies your service area boundary and GSA boundary, if those boundaries are different.

The service area boundary for the Glenn Groundwater Authority includes all areas within the service areas of its member agencies. The collective service area covers all portions of the Colusa Subbasin within Glenn County.

- E Required Documents
 - 1. Provide a list of interested parties developed pursuant to <u>Water Code Section 10723.2</u> and an explanation of how their interests will be conside in the development and operation of the GSA and the development and implementation of the GSP.

GlennGroundwaterAuthority_ListOfInterestedPartiesWithAttachment.pdf (1.1MB) Uploaded on 06/29/2017 at 06:53PM

2. Provide a list of the other agencies managing or proposing to manage groundwater within the basin, or upload a document or map that provide same information.

Colusa Groundwater Authority

3. Provide a description or upload a copy of any new by laws, ordinances, or new authorities adopted by the local agency.

No new by laws, ordinances, or new authorities have been adopted.

Groundwater Sustainability Plan

5-021.52 COLUSA



Base Information

DATE SUBMITTED	
01/28/2022 DATE POSTED	
02/07/2022 END OF PUBLIC COMMENT PERIOD DATE	
04/23/2022	Public Comments
GSP INITIAL NOTIFICATION(S)	
Colusa Groundwater Authority GSA - Colusa (Exclusive)	
Glenn Groundwater Authority GSA (Exclusive)	

PLAN MANAGER Lisa Hunter (County of Glenn GSA - Corning) 225 North Tehama Street 530-934-6540 Ihunter@countyofglenn.net

LIST OF GSA(S) THAT COLLECTIVELY PREPARED THE GSP

Colusa Groundwater Authority GSA - Colusa (Exclusive) Glenn Groundwater Authority GSA (Exclusive)

NOTICE ANNOUNCING THE PLANNED ADOPTION OF THE GSP

Notice Date: 08/27/2021

The Colusa Groundwater Authority (CGA) provided a letter on 8/26/2021 to cities and counties in the plan area as notice pursuant to Water Code secti 10728.4 of the CGA's intent to adopt a GSP for the Colusa Subbasin. The Glenn Groundwater Authority (GGA) provided a letter on 8/27/2021 to cities counties in the plan area as notice pursuant to Water Code section 10728.4 of the GGA's intent to adopt a GSP for the Colusa Subbasin. **(GGA)** provided a letter on 8/27/2021 to cities **(GGA)** provided a letter on 8/27/2021 to cities counties in the plan area as notice pursuant to Water Code section 10728.4 of the GGA's intent to adopt a GSP for the Colusa Subbasin. **(GGA)** provided a letter on 8/27/2021 to cities **(GGA)** provided a letter on 8/27/2021 to cities counties in the plan area as notice pursuant to Water Code section 10728.4 of the GGA's intent to adopt a GSP for the Colusa Subbasin. **(GGA)** <u>CGA Planned_GSP_Adoption_Notices_Compiled_compressed.pdf (477.2kB)</u>

● <u>GGA_Planned_GSP_Adoption_Notices.pdf (359.7kB)</u> NOTICE OF THE PUBLIC HEARING Public Hearing Date: 12/14/2021

The Colusa Groundwater Authority (CGA) held a public hearing and adopted the Colusa Subbasin GSP on 12/13/2021. The Glenn Groundwater Authority held a public hearing and adopted the Colusa Subbasin GSP on 12/14/2021.

<u>CGA_Notice_GSP_Adoption_CCPR_2021-5230.pdf (75.7kB)</u>

❸ GGA_Notice_GSP_Public_Hearing_Proof_of_Publication.pdf (90.5kB)

Plan Content

Supporting Information

References

Monitoring Site

ATTACHMENT 2

Glenn Groundwater Authority GSA – Funding Mechanism Summary



ATTACHMENT 2 – Long Term Funding Mechanisms

Options Considered

Existing GGA GSA Charges

Proposition 218

Proposition 26

Local Contributions – Not A Sustainable Option For Member Agencies

The GGA GSA legal counsel has determined that a long term Fee Option (see orange boxes below) would be the best funding mechanism to pursue for a sustainable funding source to achieve SGMA compliance and maintain local control over its groundwater resources.

PRM0

Available Options for Long Term Funding



Prop. 218 is most common GSA charge method to date. Includes customer notification and protest vote process.



- Due to Constitutional limitations imposed through California's Propositions 13, 218, and 26, there are strict distinctions between, and regulations associated with, fees, special assessments, and taxes.
- Taxes and assessments require voter approval.
- Property-related fees and assessments under Proposition 218 are subject to noticing, a majority protest proceeding, and when required, a subsequent ratification election.
- However, fees, as well as other charges, are identified as exempt from the definition of a tax under Proposition 26, and thus can be adopted by the governing body of the Agency imposing the fee.

Slide 26

Comparing Approaches Across the State



GSA Charge Comparison - \$/Acre



The GGA GSA needs a long-term funding source to sustain the GSA and comply with SGMA regulations.

Slide 32

GGA Fees Year	Proposed Prop. 218 Charges	Actual Prop. 218 Charges	Max. Charge
FY19/20	\$1.61/ac.	\$1.61/ac.	\$1.93/ac.
FY20/21	\$1.62/ac.	\$1.50/ac.	\$1.93/ac.
FY21/22	\$1.73/ac.	\$1.50/ac.	\$1.93/ac.
FY22/23	\$1.93/ac.	\$1.50/ac.	\$1.93/ac.
FY23-24	\$1.93/ac.	TBD	\$1.93/ac.

Charges approved in July 2019 to cover GSA Administration and GSP development costs.

GLENN GROUNDWATER AUTHORITY NOTICE OF HEARING ON PROPOSED FEE

In compliance with California State Law, notice is hereby given that the Glenn Groundwater Authority (GGA) will conduct a **public hearing on:**

July 8, 2019 at 5:30 p.m. at the City of Willows Council Chamber, 201 N. Lassen St., <u>Willows, CA</u> to consider the adoption of a **new property related fee in the amount of \$1.93 per acre annually** for the 2019 Fiscal Year and the subsequent four fiscal years, to fund operations of the GGA.

Notificación en Español:

Para leer este aviso en Español, visite el sitio web de GGA <u>https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority</u> o llame (916) 918-2020 para solicitar que se le envíe un aviso por correo o correo electrónico.

Background:

The GGA is a nine-member, multi-agency Joint Powers Authority that was formed on June 20, 2017. The GGA is the Groundwater Sustainability Agency (GSA) responsible for implementation and compliance of the Sustainable Groundwater Management Act (SGMA) in the Glenn County portion of the Colusa Subbasin (5-21.52). The Board of the GGA is composed of representatives of the following:

County of Glenn, City of Orland, City of Willows, Glenn-Colusa Irrigation District, Glide Water District, Princeton-Codora-Glenn/Provident Irrigation District (1 seat), Orland-Artois Water District, and Kanawha Water District.

As a groundwater regulating agency, the GGA (in partnership with other adjacent GSAs such as the Colusa Groundwater Authority [CGA]) is tasked with achieving and maintaining sustainable groundwater conditions in the Colusa Subbasin (Basin). Compliance with SGMA is achieved through the preparation and implementation of one or more Groundwater Sustainability Plans (GSP or Plan). Plan development is underway in the Basin and the Plan(s) must be adopted by January 31, 2022. If the local GSAs do not comply with SGMA including the development of the Plan(s) and the necessary activities required to implement the Plans, the State Water Resources Control Board may take over groundwater management responsibilities.

Long-Term Funding:

In order to ensure initial SGMA compliance and to provide a mechanism to begin this long-range effort, the GGA Member agencies agreed to fund the agency operations for the first two years. GGA operations include administration, legal services, consultant services, insurance, office and outreach materials, accounting, monitoring and reporting to DWR, and special studies, if needed. The GGA has received Proposition 1 grant funding to cover a majority of the work to develop a Plan; however, costs for Plan preparation and initial implementation that are in excess of grant funding will also need to be covered by the GGA Operations Fee.

To fund its activities and the development of an adequate Plan, the GGA developed a budget for annual operations expenses for a five-year period spanning fiscal years 2019/20 to 2023/24. This budget includes projected costs for Plan preparation and initial implementation, administration, legal services, insurance, printing/copying, accounting, facilitation, monitoring and reporting to the Department of Water Resources (DWR), and special studies, if needed.

SGMA provides authority for GGA to charge fees to support its operations. The GGA has retained Provost & Pritchard Consulting Group to prepare a fee study to review the best options to fund GGA operations over the next five years. An operations cost and fee analysis is included in the study. Each parcel of land within the GGA's

boundary is receiving SGMA management services from the GGA and the fee was developed by allocating the GGA budget in proportion to the cost of providing services to each acre of land in its service area. By law, the GGA may not collect more revenue from property related fees than is necessary to provide the cost of the water related service.

One of the GGA's foundational Guiding Principles is to protect its service area from **extremely expensive and intrusive State groundwater intervention actions**.

If the State Water Resources Control Board intervenes in the Basin, it may impose annual fees ranging from \$100 per de minimis well, to \$300 per well plus up to \$55 per acre-foot pumped per well, with no guarantee of assistance in bearing costs to address any groundwater issues that prompt its intervention. See https://www.waterboards.ca.gov/water_issues/programs/gmp/docs/intervention_intervention_fs.pdf. for more complete information. By collecting the Operations Fees, GGA will provide landowners with local groundwater management with a tailored, more affordable approach for managing the Basin.

Notice:

In addition to this notice, the GGA has also posted the notice on the GGA website at <u>https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority</u> and has been published in accordance with Government Code 6066 and Water Code section 10730.

Proposed Property Related Fee:

This notice is for the GGA's proposal to implement a per-acre charge to fund the GGA operations, supplement Plan preparation, and begin initial GSP implementation. The GGA is considering the adoption of a property related fee in the amount of:

- **\$1.93 per acre** (in 2019 dollars)
- The proposed charges, if approved, will become effective for the 2019/20 Glenn County fiscal year, with the first payment due by December 10, 2019.

For more information, including the fee study summarizing the findings, please visit the GGA website at <u>https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority</u> or call Provost & Pritchard (GGA's Consultant) at (916) 918-2002. The fee study is also available for review during normal business hours at 720 N Colusa St., Willows, CA 95988.

Public Hearing and Majority Protest:

The proposed GGA Operations Fee is a property related fee governed by Proposition 218. Under the California State Constitution, owners of land subject to the proposed GGA Operations Fee have the right to protest its adoption. If you have received this notice, parcel(s) under your ownership will be subject to the GGA Operations Fee if adopted. If written protests are submitted accounting for a majority of the total assessed parcels, GGA will not adopt the Operations Fee. Absent a majority protest, GGA is authorized to adopt the proposed Operations Fee at the public adoption hearing.

Landowners desiring to protest the proposed GGA Operations Fee should send their written protest to:

Glenn Groundwater Authority c/o Provost & Pritchard Consulting Group P.O. Box 8929 Chico, California 95927

Protests may also be submitted to the Board Secretary at the Public Hearing, located at the City of Willows Council Chamber, 201 N. Lassen St., Willows, California. <u>All protests must be received by the close of the Public Hearing on July 8, 2019 to be counted</u>.

Information Availability:

- Call Provost & Pritchard (GGA's Consultant) at (916) 918-2002
- View more information online at <u>https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority</u>
- Para leer este aviso en Español, visite el sitio web de GGA <u>https://www.countyofglenn.net/dept/agriculture/water-resources/glenn-groundwater-authority</u> o llame (916) 918-2020 para solicitar que se le envíe un aviso por correo o correo electrónico.

- The Fee Study is available for review during normal business hours at 720 N Colusa St., Willows, CA 95988
- For more information about SGMA, see the California Department of Water Resources website: <u>https://water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management</u>

If you do not wish to protest the proposed GGA Operations Fee, you need not take any action.

To Protest:

All protests must include:

- Landowners printed name(s),
- Parcel number(s) or street address for each property affected by the GGA Operations Fee,
- Statement of opposition or protest, and
- Valid signature(s)

Each parcel is entitled to one protest. The protest may be mailed in or hand delivered at the hearing but must be received by the GGA by the close of the hearing to count toward the protest vote.

For your convenience, you may utilize the Protest Form below:

PROTEST FORM FOR THE ADOPTION OF PROPOSED GGA OPERATIONS FEE

Reason for Protest:

Landowner(s) signature: ______

California



Proposition 218 gave taxpayers the right to vote on all local taxes, and requires taxpayer approval of property related assessments and fees.

www.californiataxdata.com

100 Pacifica, Suite 470 Irvine, California 92618 **Tel** 949-789-0660 **Fax** 949-788-0280

What is **Proposition 218**?

Background

In November 1996, California voters passed Proposition 218, the "Right to Vote on Taxes Act". This constitutional amendment protects taxpayers by limiting the methods by which local governments can create or increase taxes, fees and charges without taxpayer consent. Proposition 218 requires voter approval prior to imposition or increase of general taxes, assessments, and certain user fees.

The Environment Prior to Proposition 218

Proposition 13 dramatically changed the California property tax landscape after its passage in 1978. The result was a severe limitation on ad valorem property taxes (property taxes based on assessed value of property). Consequently, local governments had to look elsewhere to find money to fund public services and improvements. These agencies turned to benefit-based assessments, special taxes and user fees, which were not subject to Prop. 13 limitations. However, this resulted in increasing property tax bills, the main concern that Prop. 13 attempted to control.

Proposition 218 Tax Reform

Prop. 218 radically changes the way in which local governments raise revenues by ensuring taxpayer approval of charges and increases to existing charges. Voters are also given the ability to repeal or reduce charges by voter initiative.

Specific Features of Proposition 218

The primary changes put in place by Proposition 218 are explained below.

- 1. Voter Approval on Taxes. Prop. 218 requires all local governments, including charter cities, to get majority voter approval for new or increased general taxes.
- 2. Limits on Use of "General Taxes". Proposition 218 restricts the use of general taxes, which require majority voter approval, to general purpose governments (i.e. cities and counties). School districts are specifically precluded from levying a general tax.
- 3. Stricter Rules on Benefit Assessments. Benefit assessments by definition must be calculated based on the benefit received by the parcel as a result of the project financed. Prop. 218 created stricter rules for initiating or increasing benefit assessments. Now, an agency must determine the specific benefit the project will have on individual parcels. A general enhancement to property values can no longer serve as the benefit.
- 4. Increased Notification and Protest Requirements. Proposition 218 will require that agencies put all assessments, charges and user fees out to a vote prior to creation or increase. In most cases, the vote will require individual notices be mailed to affected property owners. A formal protest hearing is also required to move forward with the charge or increase.
- 5. Restrictions on Use of Fees. Proposition 218 prohibits local governments from imposing fees on property owners for services that are available to the public at large (like garbage collection and sewer service). In any case, fees charged to property owners may not exceed the cost of providing the service.
- 6. **Government Owned Property No Longer Exempt.** Proposition 218 requires government agencies to pay their fair share of a benefit assessment, if the property receives benefit from the project or service financed.
- Initiative Power To Repeal. Prop. 218 gives voters the power to reduce or repeal any existing local tax, assessment, or charge through the initiative process.



Proposition 26 – Long Term Funding Mechanism Summary

Proposition 26 was passed by voters in 2010, providing a broad constitutional definition of the term "tax", which was necessary in the wake of Proposition 218's limitations on local taxes. Proposition 26 is best understood in the context of Propositions 13 and 218.

Proposition 218 was passed by California voters in 1996, adding Articles XIII C and XIII D to the State Constitution. The purpose of this legislation was primarily to address the effects of Proposition 13, passed in 1978, which limited the ability of local governments to impose taxes. While Proposition 218 outlined substantive and procedural guidelines for the imposition of taxes, benefit assessments, and property related fees, the definition of the term "tax" was not succinctly defined.

Proposition 26, as included in Article XIII C of the California Constitution, defines a tax as "any levy, charge, or exaction of any kind imposed by a local government," with certain exceptions. Among these exceptions are:

- (1) A charge imposed for a specific benefit conferred or privilege granted directly to the payor that is not provided to those not charged, and which does not exceed the reasonable costs to the local government of conferring the benefit or granting the privilege to the payor.
- (2) A charge imposed for a specific government service or product provided directly to the payor that is not provided to those not charged, and which does not exceed the reasonable costs to the local government of providing the service or product to the payor.
- (3) A charge imposed for the reasonable regulatory costs to a local government for issuing licenses and permits, performing investigations, inspections, and audits, enforcing agricultural marketing orders, and the administrative enforcement and adjudication thereof.

Article XIII C goes on to stipulate that the governing agency must establish that any charges imposed by a government agency are not taxes:

The local government bears the burden of proving by a preponderance of the evidence that a levy, charge, or other exaction is not a tax, that the amount is no more than necessary to cover the reasonable costs of the governmental activity, and that the manner in which those costs are allocated to a payor bear a fair or reasonable relationship to the payor's burdens on, or benefits received from, the governmental activity.

Regulatory Fees

The three exceptions listed above provide the basis for a regulatory fee on estimated groundwater extraction. The Santa Rosa Plain GSP provides a benefit or service to groundwater users in the Subbasin. Additionally, costs incurred by the GSA's groundwater sustainability program are regulatory costs, as they represent the regulation of groundwater in the Subbasin.

This Fee Study provides the rationale for how the fee program for the Santa Rosa Plain GSA will comply with the requirements of Article XII A, including the fees charged to groundwater extractors in the Subbasin:

- 1. Are not taxes.
- 2. Will not generate more revenue than the reasonable cost of the governmental activity.

3. Are allocated to the payor in a manner that bears a reasonable relationship to the benefits received from the governmental activity.

For a GSA to utilize the Proposition 26 regulatory fee or charge mechanism legal counsel must determine if this funding mechanism approach is suitable for a particular GSA based on the facts available at the time a GSA related fee or charge is being established which must be based on an activity (e.g. a wellhead and well extraction charge). This determination would consider if the GSA has the necessary complete and factual information available to levy such a fee or charge to the payor in a manner that bears a reasonable relationship to the benefits received from the governmental activity.

Public Meeting Adopting Rates and Fees

In accordance with Water Code§ 10730 (b), a public meeting must be held at which oral or written presentations may be made. In addition, notice of the meeting must be 1) published in the local newspaper at least twice in the weeks preceding the meeting, and 2) posted on the Agency's website. The GSA must also make available all data upon which the proposed fee is based at least 20 days prior to the public meeting. Those subject to rates or fees do not receive a direct notification via mail prior to GSA Board consideration of a Proposition 26 regulatory fee. And there is no public meeting prior to Board consideration of such a fee whereby those subject to the fee have an opportunity to vote on or levy a formal vote (e.g. protest) prior to GSA Board approval of such fees.

Example Fee – Santa Rosa Plain GSAs (approved in 2022) \$300/well + \$40/acre-foot of groundwater extraction.

Note: Santa Rosa Plain approved Prop. 26 fee approach in 2019 with original long term GSA fee approval.

The Glenn Groundwater Authority GSA opted for the Proposition 218 approach to develop its long term charges in 2019 and will likely continue with that methodology for the 2023 Long Term Funding Project which will recommend long term charges to cover GSA Administration and GSP implementation and SGMA compliance costs over the next five-year period.

ATTACHMENT 3

Glenn Groundwater Authority GSA – Draft Proposition 218 Charge Report: Table of Contents



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- Appendix C GGA GSA 2022 County Tax Charge Roll
- Appendix D GGA GSA 2023 Proposition 218 Protest Form
- Appendix E GGA GSA List of Funding Agreements

LIST OF ACROYNMS AND ABBREVIATIONS

AF	= acre-feet (generally equivalent to 325,851 gallons)
APNs	= Assessor's parcel numbers
GGA GSA	= Glenn Groundwater Authority GSA
CASGEM	= California State Groundwater Elevation Monitoring
County	= County of Glenn
DACs	= Disadvantaged Communities
DWR	= California Department of Water Resources
FY	= Fiscal Year
GSA	= Groundwater Sustainability Agency
GSP	= Groundwater Sustainability Plan
IRWMP	= Integrated Regional Water Management Plan
JPA	= Joint Powers Agreement/Authority
LAFCO	= Local Agency Formation Commission
SGMA	= Sustainable Groundwater Management Act
Sub-basin	= DWR delineated alluvial groundwater areas in GGA GSA boundary
SWRCB	= State Water Resources Control Board

ACKNOWLEDGEMENTS

GGA GSA Program Manager Staff

Ms. Lisa Hunter, Program Manager.

GGA GSA Board of Directors

GRANT CARMON	COUNTY OF GLENN	DIRECTOR
BRUCE ROUNDY	CITY OF ORLAND	DIRECTOR
GARY HANSEN (22/23 Vice Chair)	CITY OF WILLOWS	DIRECTOR
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Vacant (3/10/23)	GLIDE WATER DISTRICT	ALTERNATE
THADDEUS BETTNER	GCID	ALTERNATE
EMIL CAVAGNOLO	ORLAND-ARTOIS WATER DISTRICT	ALTERNATE
WADE DANLEY	KANAWHA WATER DISTRICT	ALTERNATE
SETH FIACK	MONROEVILLE WATER DISTRICT	ALTERNATE
LANCE BOYD	PCGID/PID	ALTERNATE
MICHAEL ALVES	KANAWHA WATER DISTRICT	2ND ALTERNATE
ED VONASEK	CITY OF ORLAND	2ND ALTERNATE

Consultant Assistance: Luhdorff and Scalmanini Consulting Engineers (LSCE)

ATTACHMENT 4

Glenn Groundwater Authority GSA – Service Area Information For Charge Options Evaluation


ATTACHMENT 4 – Service Area Information

GGA Service Area Irrigated/Non-Irrigated Map

Irrigated Acreage Summary – By GGA Service Area Sub-Region

Attachment 4: GGA Service Area Map (Irrigated/Non-irrigated Acreage)



		DRAFT SUMMARY - Applied Water					
GGA Subregion	Irrigated Area (ac)	Water Year 2019 (Wet)			Water Year 2022 (Critical)		
		Total (AF)	Surface Water (% Total)	Ground- water (% Total)	Total (AF)	Surface Water (% Total)	Ground- water (% Total)
Colusa Drain Mutual Water Company (Glenn)	860	3,580	0%	100%	2,085	0%	100%
Glenn - Colusa Irrigation District (Glenn)	55,805	323,721	88%	12%	76,772	80%	20%
Glide Water District	6,811	16,255	26%	74%	18,484	15%	85%
Kanawha Water District	13,749	48,934	50%	50%	34,801	24%	76%
Orland - Artois Water District	31,837	106,089	31%	69%	98,664	10%	90%
Orland Unit Water Users Association	9,800	47,927	93%	7%	45,017	83%	17%
Princeton - Codora - Glenn Irrigation District (Glenn)	4,689	27,819	90%	10%	11,356	0%	100%
Provident Irrigation District (Glenn)	13,568	66,167	43%	57%	15,368	0%	100%
City of Orland	1,382	793	0%	100%	880	0%	100%
City of Willows	988	69	0%	100%	125	0%	100%
Total	139,489	641,354	69%	31%	303,552	40%	60%

ATTACHMENT 5

Glenn Groundwater Authority GSA – Draft Irrigated/Non-irrigated Charge Policy Information



This Policy provides the legal and policy basis for the Glenn Groundwater Authority GSA (GGA GSA) to implement an Irrigated/Non-Irrigated long term GSA charge that would be implemented over the five-year period from FY23-24 through FY27-28 subject to GGA GSA Board approval at the July 2023 meeting.

The goal of this Policy is to enable the GGA GSA to implement this charge in a fair and equitable manner for all subject to the charge who are located within the GSA service area boundary.

1.10.010 Definitions.

As used in this Policy:

"GGA GSA" – means the Joint Powers Authority known as the Glenn Groundwater Authority Groundwater Sustainability Agency established as a result of the 2014 Sustainable Groundwater Management Act passed by the California Legislature in Sacramento, California.

"Landowner" – means a parcel of land located within the GGA GSA Service Area that is not exempt from GGA GSA SGMA compliance related charges.

"Exempt Landowner" – means a parcel of land located within the GGA GSA Service Area that is exempt from GGA GSA SGMA related charges including Federally, State, and Tribal owned lands.

"GGA GSA SGMA Compliance Landowner Charges" – means the charges that are levied on landowners subject to the Charges located within the GGA GSA service area which shall cover the costs for GSA Administration, GSP Implementation, and SGMA Compliance. The Charges will distribute these costs based on the benefits received and relative groundwater use within the service area.

"Non-irrigated Landowner Charge" – means landowner parcel(s) subject to the approved GGA GSA Non-irrigated charge schedule that have no well(s) on the property or access to any other water source, and/or a parcel classified as rangeland which uses less than 2 acre-fee/year, and/or a parcel who permanently uses zero to less than 2 acre-feet/year for open space and/or agricultural purposes.

"Irrigated-Surface Water Landowner Charge" – means landowner parcel(s) subject to the approved GGA GSA Irrigated-Surface Water charge schedule that have historically relied on surface water supplies for the majority of their water needs on a permanent basis and/or have access to surface water supplies on a permanent basis including urban areas. Glenn Groundwater Authority GSA Irrigated/Non-Irrigated Long Term Charge Policy Draft Policy Document – April 2023

"Irrigated-Groundwater Landowner Charge" – means landowner parcel(s) subject to the approved GGA GSA Irrigated-Groundwater charge schedule that have historically relied on groundwater water supplies for the majority of their water needs on a permanent basis and/or have no access to surface water supplies on a permanent basis including urban areas.

"Person or owner" - means any individual, firm, company, association, society, corporation or group that owns property within the GGA GSA service area.

"Urban Area" means any city or town located within the GGA GSA Service Area within Glenn County, California.

GGA GSA Landowner Charges

GGA GSA landowner charges shall be levied on all landowners subject to the charges which shall cover the total cost of GSA operations and related GSP implementation and SGMA compliance costs as required to maintain local control over GSA groundwater resources.

GGA GSA Landowner Charge Classes

The GGA GSA Landowner Charges approved in 2023 shall include the following Charge Classes: Non-irrigation; Irrigated-Surface Water; and Irrigated-Groundwater. The GGA GSA shall maintain and update Charge Classes as needed to maintain a fair and equitable means for recovering the costs of service for on-going GSA Administration, GSP Implementation and SGMA Compliance related costs.

GGA GSA Request For Appeal - Landowner Charge Classification

Appeals may be requested by any landowner within the GGA GSA service area if the landowner believes that: (1) The GGA GSA Landowner Charge Class to which the landowner has been assigned is incorrect; or (2) The GGA GSA landowner charges billed are incorrect based on parcel related data used to establish the charge. Such appeal shall be initiated by written request and shall set forth all appropriate information and data upon which the landowner bases his/her contention that one or both of the grounds for appeal above set forth exist.

GGA GSA Request For Appeal Review

Review of requests shall be made by the GGA GSA, who shall determine if it is substantiated or not, including recommending further study of the matter by GSA personnel or private consultants.

GGA GSA Request For Appeal - Request Substantiated

If the request is determined to be substantiated, the charges for that landowner shall be recomputed based on the approved revised Classification and associated approved charges and the new charges thus recomputed shall be applied retroactively up to six months, as applicable.

GGA GSA Request For Appeal - Request Not Substantiated

If the landowner's request is determined not to be substantiated, the landowner shall continue to pay the charges already in place until such time the GGA GSA amends the charges.

Additional provisions would be added to this policy if the GGA GSA approves an Irrigated/Non-irrigated charge in 2023 at its July 2023 Board meeting. Final policy provisions would be subject to review by GGA GSA personnel, Board of Directors, and legal counsel. This information is provided as a framework for deciding whether or not this charge would be an acceptable long-term approach to bill landowners for the costs associated with maintaining local control over groundwater resources within the GSA service area.

ATTACHMENT 6

Glenn Groundwater Authority GSA – Recommended Long Term Fee Calculation Summary



GGA GSA Recommended Long Term Fee - User Class Calculations

Calculation of Proposed GGA Fee			
Cost Allocation 96/4% (Irrig/Non-Irrigated)			
Average Irrigated Cost Per Acre	1.000		
Irrigated Surface water Cost per acre	0.670	Х	
Surface Water Acres	158,711		
Irrigated Ground water cost per acre	1.616	2.41	Input GW / SW Relativity
Ground Water Acres	84,990	141.17%	GW pays this % more than SW excluding implemenatation costs
Non-Irrigated / Irrigated CPA	11.21% Non	-Irrigated Share	of Costs excluding Implementation Costs
Non Irrigated Acres	43,293	-	

Max. Charge

GGA Irrig/Non-Irrig Fee Option	Fiscal Year	Fiscal Year	Fiscal Year Fiscal Year		Fiscal Year	
Recommended Fees	FY23-24	FY24-25	FY25-26	FY26-27	FY27-28	
TOTAL GGA Operational Budget	\$ 781,025	\$ 815,125	\$ 837,675	\$ 783,225	\$ 770,130 Ir	
Total Fee Weighted Acreage	248,554	248,554	248,554	248,554	248,554	
Unit Cost per Acre	\$ 3.14	\$ 3.28	\$ 3.37	\$ 3.15	\$ 3.10	
Non-Irrigated Cost Per Acre	\$ 0.352	\$ 0.368	\$ 0.378	\$ 0.353	\$ 0.347	
Non-Irrigated Total Costs	\$ 15,250	\$ 15,916	\$ 16,356	\$ 15,293	\$ 15,037	
Irrig/Non-Irrig Implementation Costs	\$0.14	\$0.14	\$0.14	\$0.14	\$0.14	
Total Non-Irrig Fee (\$/ac)	\$0.49	\$0.51 \$0.52 \$0.49		\$0.49		
		11		1	1	
Surface Water Cost Per Acre	\$2.106	\$2.198	\$2.258	\$2.112	\$2.076	
Surface Water Total Costs	\$334,182	\$348,772	\$358,421	\$335,123	\$329,520	
Irrig/Non-Irrig Implementation Costs	\$0.14	\$0.14	\$0.14	\$0.14	\$0.14	
Total Irrigated-SW Fee (\$/ac)	\$2.25	\$2.34	\$2.40	\$2.25	\$2.22	
Groundwater Cost Per Acre	\$5.08	\$5.30	\$5.45	\$5.09	\$5.01	
Groundwater Total Costs	\$431,593	\$450,437	\$462,898	\$432,809	\$425,573	
Irrig/Non-Irrig Implementation Costs	\$0.14	\$0.14	\$0.14	\$0.14	\$0.14	
Total Irrigated-GW Fee (\$/ac)	\$5.22	\$5.44	\$5.59	\$5.23	\$5.15	

ATTACHMENT 7

Glenn Groundwater Authority GSA – Other Long Term Charge Information



Attachment 7

The Groundwater Metering Charge Option requires all sources to be metered and the charge would be based on metered groundwater extractions. Capital costs include metering infrastructure installation and operational costs include developing on-going meter reading and billing policy, and meter registration and certification process to ensure accurate measurement of all groundwater extractions for equitable billing purposes. This option would require 2-3 years of policy development and likely require five years to meter all water sources. This option would be available for the GGA GSA's next charge update process. This option would require the GSA to become a billing collector and take on the risk of landowner payment receivables and defaults now handled by the County Department of Finance. A conceptual Groundwater Metering Charge is presented below for informational purposes and does not include the implementation costs associated with this charge approach.

GGA GSA GW Metering Option	Fiscal Year				
Charge Basis	2023-24	2024-25	2025-26	2026-27	2027-28
Total GSA Revenue Needs (\$)	\$781,025	\$815,125	\$837,675	\$783,225	\$770,130
Total GSA Metered GW Use (af)	190,475	190,475	190,475	190,475	190,475
Proposed Total Charge (\$/af)	\$4.10	\$4.28	\$4.40	\$4.11	\$4.04
Annualized Total Charge (\$/af)	\$4.19	\$5.10	\$5.10	\$5.10	\$5.10

The Well Registration Charge Option would require all wells to be registered and recorded in a data management system including well location, well depth/intervals, production capacity information, well casing size, and well pump horsepower. This would require a substantial effort by the GSA involving field surveys, data updates, and inputs for wells currently not documented and/or included in the database. This option would require at least 2-3 years of policy development and likely require five to ten years to accurately document all wells in the GSA service area. This option would be available for the GGA GSA's next charge update process. This option would likely require the GSA to become a billing collector and take on the risk of landowner payment receivables and defaults now handled by the County Department of Finance. A conceptual Well Registration Charge is presented below for informational purposes and does not include the implementation costs associated with this charge approach.

GGA GSA Well Registration Option	Fiscal Year				
Charge Basis	2023-24	2024-25	2025-26	2026-27	2027-28
Total GSA Revenue Needs (\$)	\$781,025	\$815,125	\$837,675	\$783,225	\$770,130
Total GSA Wells	3,263	3,263	3,263	3,263	3,263
Proposed Total Charge (\$/well)	\$239.39	\$249.84	\$256.75	\$240.06	\$236.05
Annualized Total Charge (\$/well)	\$244.42	\$152.06	\$152.06	\$152.06	\$152.06

Charge options must have complete parcel level data in order to be implemented in a fair and equitable manner.