

# GGA GSA Public Workshop Long Term Funding Project Presentation

Eddy Teasdale and Jacques DeBra, LSCE

March 9, 2023,

March 13, 2023

March 15, 2023

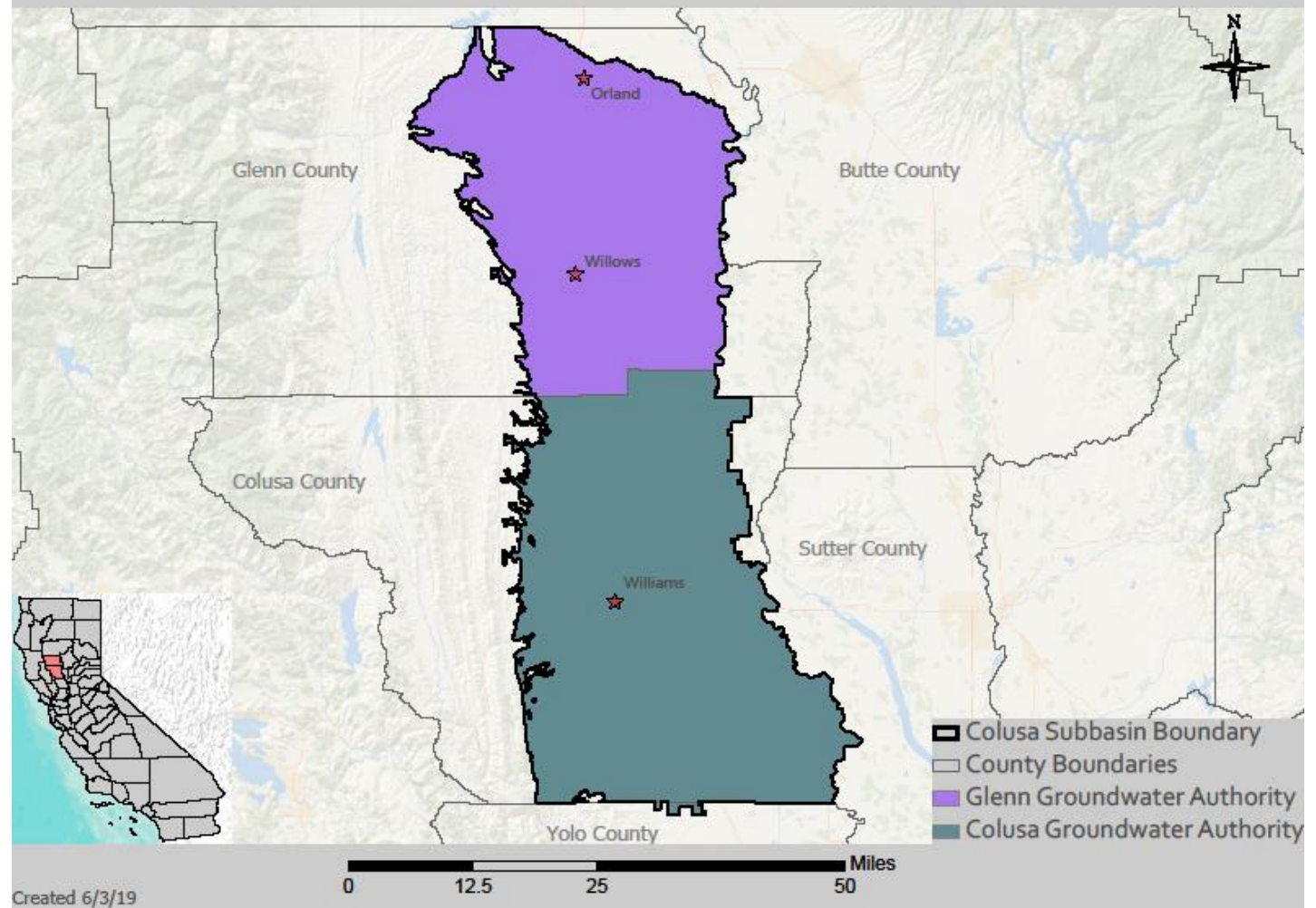


**Luhdorff &  
Scalmanini**  
Consulting Engineers

# Welcome – Glenn Groundwater Authority (GGA)

- 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
- The GGA is the GSA and is keeping costs as low as possible for landowners
- The GGA has been maintaining local control over our groundwater resources

## Colusa Subbasin Groundwater Sustainability Agencies



# Why Are We Here Tonight?

## State of California 2014 Sustainable Groundwater Management Act

Required local formation of Groundwater Sustainability Agencies (GSAs) to:

- Sustain its GSA over the SGMA regulation time frame (2072)
- Implement and update its Groundwater Sustainability Plan (GSP)
- Prepare and submit annual reports to DWR documenting groundwater conditions
- Provide on-going GSA coordination
- Fill data gaps and address groundwater overdraft situations (e.g., subsidence)
- Plan and implement projects that achieve groundwater sustainability goals

# Additional Public Workshop Dates

March 9, 2023  
6:00 PM

**Glenn Success Square  
Conference Center  
131 E Walker St.  
Orland, CA 95963**

March 13, 2023  
6:00 PM

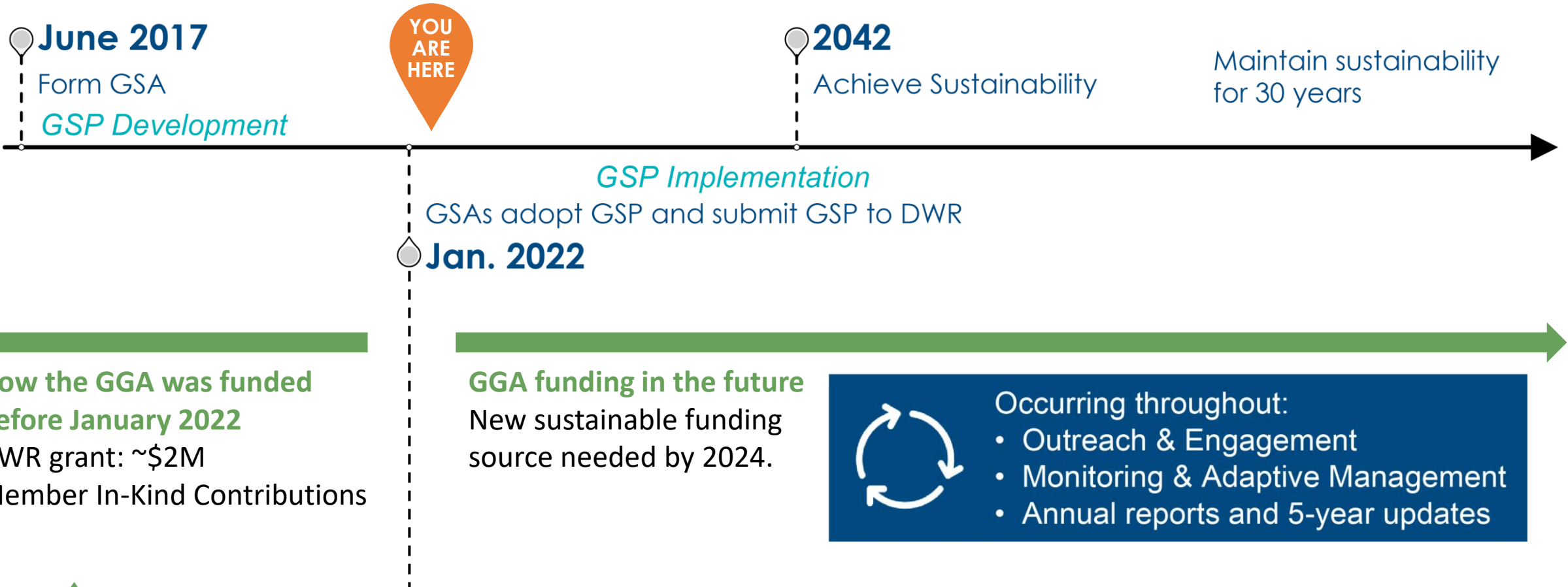
**Willows City  
Council Chambers  
201 N Lassen St.  
Willows, CA 95988**

March 15, 2023  
6:00 PM

**Jacinto Grange Hall  
7254 County Road 39  
Glenn, CA 95943**

# GGA GSA – Long-Term Funding Strategy

## SGMA Timeline

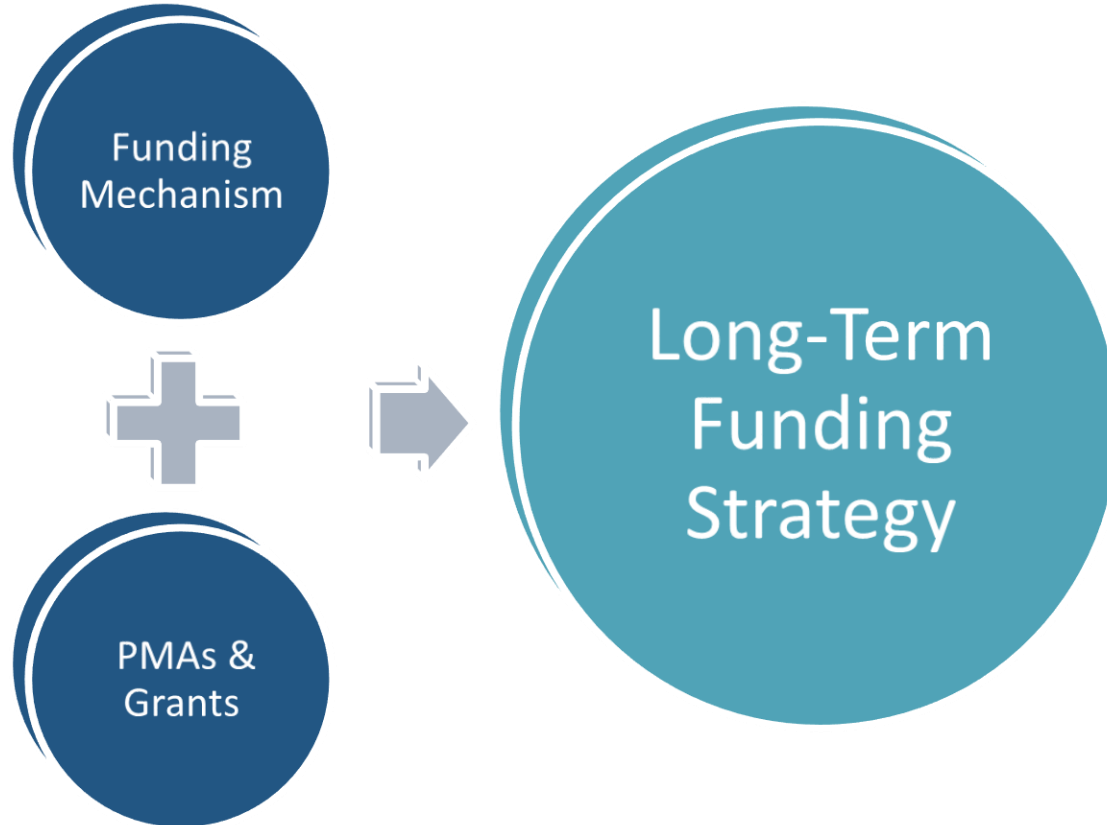


# GSP Implementation: > 50 years (2022 – 2072)

Task Name	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
<b>GSA Administration and Operations</b>																					
Public Outreach	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Legal Services	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
<b>Community Outreach and Education</b>																					
Community Outreach and Education <sup>1</sup>	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
<b>GSP Monitoring and Data Management</b>																					
Monitoring of Wells	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Data Management	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
<b>GSP Reporting</b>																					
Annual Reporting	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
Responding to DWR Comments on GSP		×					×														
GSP Five-Year Updates						×					×					×					×
<b>Grant Writing</b>																					
Grant Writing	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

# GGA GSA – Long Term Funding Strategy

For SGMA Compliance



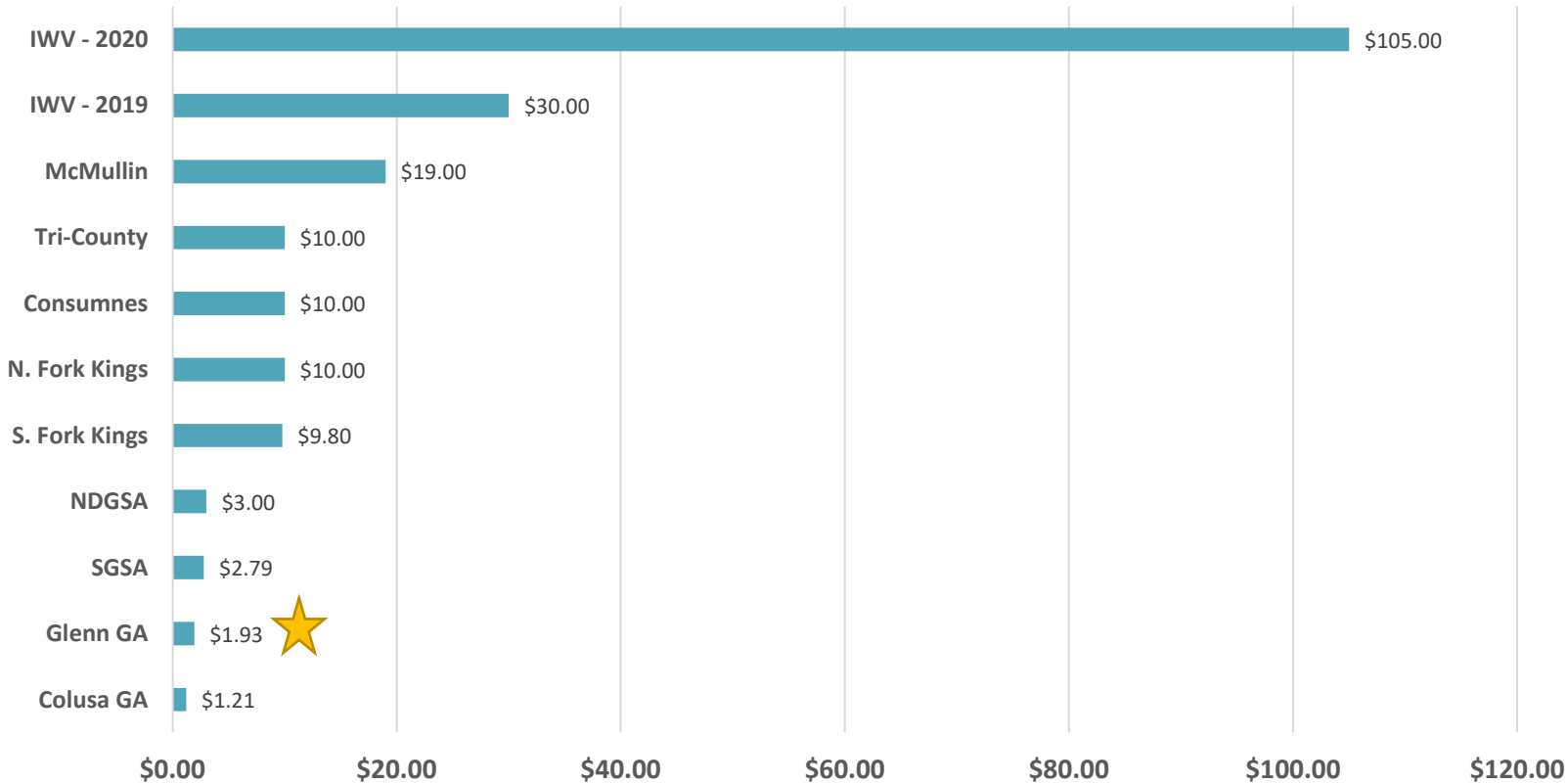
For Project Implementation



**The GSAs worked together to apply for the Round 2 DWR Groundwater Implementation grant funds in December 2022 for eligible GSA Projects and SGMA compliance costs. DWR is expected to announce grant awards in June 2023.**

# Other GSA Charges Through 2022

GSA Charge Comparison - \$/Acre



IWV = Indian Wells Valley.

Merced approved a Prop. 218 \$4/ac. Charge, which has not been implemented to date.

Santa Rosa Plain approved a Prop. 26 process with a \$40/ac-ft charge.

Prop. 218 process includes 45-day public notification, public hearing, and protest vote by parcel.

Proposition 26 requires at least one public meeting at least 20-days before Board fee approval.



# Long Term GSA Funding – GGA Charge History

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.

The GGA Board has kept existing charges as low as possible during GSP development phase.

# Available GGA GSA Website Information

## ITEMS AVAILABLE ON GGA WEBSITE DURING PROJECT

- Colusa Subbasin Groundwater Sustainability Plan
- Annual Reports submitted to DWR
- 2019 GSA long term funding information
- 2023 GSA charge project information – include, if so, how much and for what
- Information on March 2023 Public Workshops – meeting recaps
- Long term funding Fact Sheet (printed versions available at this meeting)
- Frequently Asked Questions & Answers – to be updated during project
- <https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority>

# GGA GSA – Long-Term Funding Needs

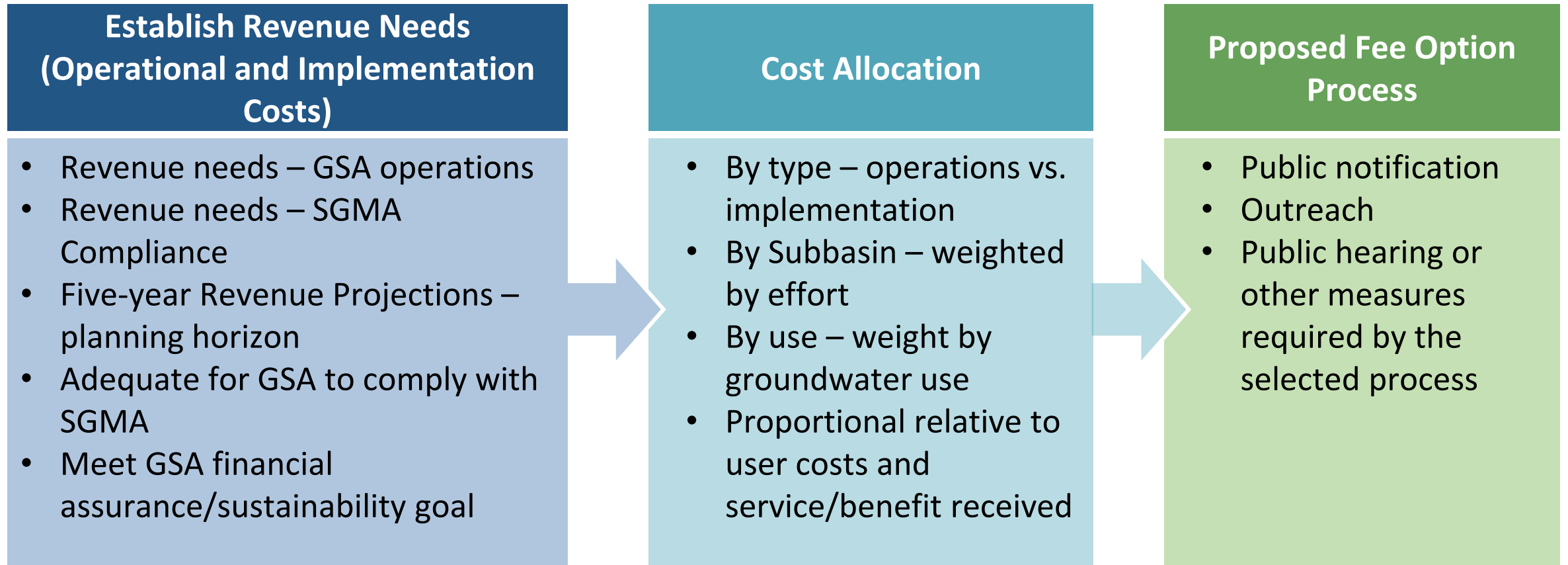
- Update GGA Five Year Revenue Projections focused on GSP implementation and SGMA compliance.
- Discuss key charge assumptions to be sufficient yet reasonable.
- Includes GSA cost sharing for SGMA compliance costs that benefit the Subbasin.
- Refine revenue projections to update GSA long term charge schedule.

## A BALANCING ACT IN CONSIDERING SCOPE OF CHARGES



# Long Term GSA Fee – Development Process

This is the step the GGA is currently at.



# GGA GSA – Long Term Fee Project Schedule

GGA GSA 2023 Long Term Funding Project - Primary Milestones								
Project Tasks	Jan	Feb	Mar	Apr	May	June	July	August
GGA Project Outreach	>>>>>>>>>>	>>>>>>>>>>	>>>>>>>>>>	>>>>>>>>>>	>>>>>>>>>>	>>>>>>>>>>	>>>>>>>>>>	>>>>>>>>>>
GGA Board Meetings		B	B	B	B		B	
GGA Ad-hoc Meetings	Ad-hoc	Ad-hoc	Ad-hoc	Ad-hoc				
Project Development								
Update Revenue Projections	Develop	Draft	Final					
Evaluation Fee Options	Develop	Draft	Final					
Prepare Options TM								
Prepare/Approve Fee Report								
Approve Proposed Fees								
Tax Roll Data To Assessor								8/10/2023

B = GGA GSA Board Meeting



# GGA Board Direction

## FOR REVENUE PROJECTIONS TO USE IN FEE STUDY

Reasonable

Contingency

Sufficient

Inflation

Reliable

Include adequate legal services

Scope (GSA Admin., SGMA Compliance, Projects?)

Flexible – to address DWR requirements and compliance tasks

# GGA Future Charge Options

Potential Options - Examples	Consider
Charge/Acre for parcels subject to charge in GGA service area	Basis for current charges
Hybrid Land Use Approach	Include irrigated/non-irrigated
Other Option Ideas?	For Discussion at Public Workshop
Charge/Acre foot of groundwater extraction	Would require metering
State Water Resources Control Board Intervention Fees	GGA complying with SGMA

- Charge options evaluated will consider the implementation costs including GGA administration.
- Feasibility of options is based on available parcel level data for those subject to the charges.
- A charge option summary will be available that compares options including impacts of future charges.

# GGA GSA – Options Evaluation Criteria

## COMMON OPTION EVALUATION CRITERIA

- Revenue Sufficiency – Meets revenue projection targets
- Revenue Stability – over fee implementation period
- All Beneficiaries Pay – important for SGMA compliance benefit
- Equity – cost allocation
- Affordability – economic impacts
- Simplicity – easy to understand
- Administrative ease – low implementation costs
- Enforceability – potential costs for more complex fee structures
- Legality – defensible, challenge risk, potential long term legal fees

Can impact  
revenue  
projections





# GGA Wants Your Input

## PLEASE PROVIDE US WITH YOUR COMMENTS AND IDEAS

- Workshop sign-in sheet
- Speaker cards – optional (so we can document your question or concern)
- Common courtesy – one speaker at a time
- We will answer questions at the meeting
- We can follow-up with you post-meeting if we have your contact info.
- Public workshop summaries will be available on the website
- Thank you for attending!

# GGA GSA – Updated Revenue Projections For GSP Implementation and SGMA Compliance

COLUSA SUBBASIN GGA GSA - Long Term Funding Strategy					
Five-Year DRAFT GSA Operational Budget - GSP Implementation With SGMA Compliance Costs					
5-Year GSP Implementation Inflation Adjustment	0%	3%	3%	3%	3%
Proposed	Year 1	Year 2	Year 3	Year 4	Year 5
Cost Category-GSA Administration	2024	2025	2026	2027	2028
Administration - Contracted Services	\$170,000	\$200,000	\$220,000	\$170,000	\$170,000
Legal Services	\$150,000	\$150,000	\$120,000	\$120,000	\$120,000
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 Allocation (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%)	\$40,250	\$43,350	\$42,400	\$37,450	\$37,450
<b>GSA Administration Sub-Total</b>	<b>\$447,750</b>	<b>\$481,850</b>	<b>\$471,400</b>	<b>\$416,950</b>	<b>\$416,950</b>
5-Year GSP Implementation Inflation Adjustment	0%	3%	3%	3%	3%
Cost Category-SGMA Compliance	2024	2025	2026	2027	2028
Annual Monitoring and Reporting	\$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 Maintenance	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
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 (discuss)	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Contingency (8%)	\$23,850	\$15,850	\$15,850	\$15,850	\$14,880
<b>Sub-Total</b>	<b>\$321,975</b>	<b>\$313,975</b>	<b>\$313,975</b>	<b>\$313,975</b>	<b>\$300,880</b>
<b>TOTAL GGA Administration (w/inflation adjustment)</b>	<b>\$447,750</b>	<b>\$496,306</b>	<b>\$499,684</b>	<b>\$454,476</b>	<b>\$466,984</b>
<b>TOTAL GGA SGMA Compliance (w/inflation adjustment)</b>	<b>\$321,975</b>	<b>\$323,394</b>	<b>\$332,814</b>	<b>\$342,233</b>	<b>\$336,986</b>
<b>TOTAL GGA Operational Budget</b>	<b>\$769,725</b>	<b>\$819,700</b>	<b>\$832,498</b>	<b>\$796,708</b>	<b>\$803,970</b>



# GGA GSA – Updated Revenue Projections

## GSA Admin. Sub-Total (not adjusted for inflation)

COLUSA SUBBASIN GGA GSA - Long Term Funding Strategy					
Five-Year DRAFT GSA Operational Budget - GSP Implementation With SGMA Compliance Costs					
5-Year GSP Implementation Inflation Adjustment	0%	3%	3%	3%	3%
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# GGA GSA – Updated Revenue Projections GSA Admin. (FY22-23 Budget vs. Year 1 Projection)

Glenn Groundwater Authority Budget FY 2022/2023 (Appr. 5/9/23)			
Comparing GSA Admin Costs vs. Revenue Projections			
	Current Approved FY 22/23	vs. 5-Year Projections Expenses Below	
<b>REVENUES</b>			
<b>Grant Revenue</b>			
Other			
<b>Total Grants</b>	-		
<b>Other Government Agencies</b>			
Colusa Groundwater Authority*	100,000		
Other			
<b>Total Other Government Agencies</b>	100,000		
<b>Assessments</b>			
Property Related Fee Per Acre (current \$1.50/ac)	427,786		
Well Head Fee	-		
Extraction Fee	-		
Other	-		
<b>Total Assessments</b>	427,786		
<b>Other</b>			
Interest	4,000		
<b>Total Other</b>	4,000		
<b>TOTAL REVENUES</b>	<b>531,786</b>		
<b>EXPENSES</b>			
Administration- Contracted County Services	\$170,000	\$170,000	
Program Administration Support			
Legal Services	\$120,000	\$150,000	
Certified Public Accountant (Yearly Audits)	\$10,800	\$10,500	
JPA Insurance	\$2,000	\$2,000	
County Bookkeeper	\$9,519	\$2,500	
GSP Development/Implementation**	\$583,000	\$0	(under SGMA compliance budget)
Long Term Funding Options	\$90,000	\$0	(under SGMA compliance budget)
Professional Services	\$35,000	\$40,000	
Board Expenses	\$2,000	\$2,000	
Special Department Expenses	\$25,000	\$25,000	
Legal Notices	\$1,000	\$1,000	
County Tax Roll Fee	\$5,000	\$5,000	
Contingency/Reserve	\$50,000	\$40,250	
<b>TOTAL EXPENSES</b>	<b>\$1,103,319</b>		
<b>TOTAL EXPENSES (Minus GSP Dev/Implem.)</b>	<b>\$520,319</b>	<b>\$448,250</b>	

<b>EXPENSES</b>	<b>Current Approved FY 22/23</b>	<b>5-Yr Projections Year 1</b>	
Administration- Contracted County Services	\$170,000	\$170,000	
Program Administration Support			
Legal Services	\$120,000	\$150,000	
Certified Public Accountant (Yearly Audits)	\$10,800	\$10,500	
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<b>TOTAL EXPENSES (Minus GSP Dev/Implem.)</b>	<b>\$520,319</b>	<b>\$448,250</b>	



# Colusa Subbasin –

## Long Term SGMA Compliance = Local Control

### **GGA GSA On-GOING SGMA COMPLIANCE REQUIREMENTS** (Includes Other Sub-Tasks Not Listed Below)

**Maintain a Functioning GSA  
(Budget and Staffing)**

**Conduct Annual GW  
Monitoring and Reporting  
(each April)**

**SGMA Compliance**

**Ongoing GSA  
Coordination/Outreach**

**Prepare/Approve  
Five-Year GSP Updates**

- Other compliance tasks may include Surface-Groundwater Interaction Modeling, Data Management System Updates and Maintenance, DWR GSP updates, Long Term Financial Planning to maintain sustainable fees, and other tasks that may be required based on SGMA policy updates and GSP implementation efforts.
- PMA implementation as necessary to reach and maintain sustainable conditions

# GGA GSA – Updated Revenue Projections

## SGMA Compliance Sub-Total (not adjusted for inflation)

Cost Category-SGMA Compliance	2024	2025	2026	2027	2028
Annual Monitoring and Reporting	\$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 Maintenance	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
Long Term Financial Planning/Fees	\$17,500	\$17,500	\$17,500	\$17,500	\$17,500
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GSP Project Implementation (discuss)	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
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TOTAL GGA Administration (w/inflation adjustment)	\$447,750	\$496,306	\$499,684	\$454,476	\$466,984
TOTAL GGA SGMA Compliance (w/inflation adjustment)	\$321,975	\$323,394	\$332,814	\$342,233	\$336,986
<b>TOTAL GGA Operational Budget</b>	<b>\$769,725</b>	<b>\$819,700</b>	<b>\$832,498</b>	<b>\$796,708</b>	<b>\$803,970</b>

All items needed for SGMA Compliance based on GSP estimated costs with grant procurement item added.  
Inflation adjustment not included.

# GGA GSA – Updated Revenue Projections

## SGMA Compliance Cost Sharing (for Subbasin benefit)

Colusa Subbasin SGMA Compliance Total Costs	2024	2025	2026	2027	2028
Cost Category-SGMA Compliance	Total Annual Costs	Total Annual Costs	Total Annual Costs	Total Annual Costs	Total Annual Costs
Annual Monitoring and Reporting	\$70,000	\$70,000	\$70,000	\$70,000	\$70,000
Five Year GSP Update w/Modeling Calibrations	\$97,000	\$97,000	\$97,000	\$97,000	\$97,000
Surface-GW Interaction Modeling	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
GSA Coordination & Outreach (w/in and between GSAs)	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000
Data Management System Maintenance	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
Long Term Financial Planning/Fees	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
GSP Project Implementation	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Grant Procurement	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000
Contingency (8%)	\$41,760	\$41,760	\$41,760	\$41,760	\$41,760
Sub-Total	\$563,760	\$563,760	\$563,760	\$563,760	\$563,760

CGA and GGA should confer regarding SGMA compliance action cost sharing arrangements for updated fees.



# GGA GSA – Updated Revenue Projections

## SGMA Compliance Cost Sharing (for Subbasin benefit)

SGMA Compliance Cost Sharing Provided For CGA-GGA Review - Does not account for recommended 3% annual inflation adjustment.

Source: LSCE (assumes each GSA will have unique GSA Administrative costs; SGMA compliance costs can be shared to reduce overall GSA Budget impact.)

Budget Year	2024		2025		2026		2027		2028	
CGA-GGA SGMA Compliance Budget Cost Share	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Cost Category-SGMA Compliance	CGA	GGA	CGA	GGA	CGA	GGA	CGA	GGA	CGA	GGA
Annual Monitoring and Reporting	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
Five Year GSP Update w/Modeling Calibrations	\$48,500	\$48,500	\$48,500	\$48,500	\$48,500	\$48,500	\$48,500	\$48,500	\$48,500	\$48,500
Surface-GW Interaction Modeling	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$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	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
Data Management System Maintenance	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
Long Term Financial Planning/Fees	\$17,500	\$17,500	\$17,500	\$17,500	\$17,500	\$17,500	\$17,500	\$17,500	\$17,500	\$17,500
GSP Project Implementation (currently 33/66% split)	\$50,000	\$100,000	\$50,000	\$100,000	\$50,000	\$100,000	\$50,000	\$100,000	\$50,000	\$100,000
Grant Procurement	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
Contingency (8%)	\$20,880	\$20,880	\$20,880	\$20,880	\$20,880	\$20,880	\$20,880	\$20,880	\$20,880	\$20,880
Sub-Total	\$256,880	\$306,880	\$256,880	\$306,880	\$256,880	\$306,880	\$256,880	\$306,880	\$256,880	\$306,880

CGA and GGA should confer regarding SGMA compliance action cost sharing arrangements for updated fees.