



Cosumnes Groundwater Authority PMA Committee Meeting

September 28, 2022

1:00 pm

City of Galt Police Department and Zoom

Materials: CosumnesGroundwater.org/meetings

*Draft slides, subject to change

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Welcome



Call to Order

*Introductions
Attendance*



Housekeeping

*Discussion process reminders
Zoom logistics*



Agenda Review



Public Comment on Non-Agenda
Items

Limit of 3 minutes per speaker

*Draft slides, subject to change

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Agenda Overview

- CGA September Board Meeting Recap & 3-Month Look Ahead
- Data Gaps
- Supply Augmentation
- Demand Management
 - Analysis of conservation practices effectiveness
 - ET monitoring planning
- Recommended PMAs for Inclusion in DWR Implementation Grant
 - Grant Application Overview
 - Outreach Needs for Grant Development
 - Farmer Survey

*draft slides, subject to change

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Agenda Item #1: CGA Board Meeting Recap

- Affirmation of PMA Committee scope and purpose
- “Two Bucket” Approach
 - Supply Augmentation and Demand Management
- GSA verification of land use/crop data
- Committee Report Back process
- Grant writing process – Anticipated Due Date: November 30
 - Mick Klasson, SAFCA
- Other Funding Opportunities
 - DOC, CDFA, etc.

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Supply

- Significant uncertainties still need to be explored
- Relies primarily on access to surface water

Demand

- Could be readily implemented once benefits determined
- Does NOT rely on access to water

*Draft slides, subject to change

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Cosumnes Subbasin Projects

- While it is the GSP's priority to rely on supply augmentation projects, significant planning is required before significant benefits will be seen.
- "PMA implementation will be conducted on parallel tracks."
- Color bars indicated estimated gross benefits from projects during each phase.

*Draft slides, subject to change

Phase	Category	Sub-Category
Phase 1 (2022-2027)	Supply Augmentation Projects	Feasibility Studies
		Managed Aquifer Recharge Potential
		~ Distributed projects
		~ Pilot projects
		~ Flood-MAR
	~ Dry Wells	
	Groundwater Banking	In-leu of Use
	Demand Management	
	Conservation Projects	~ Agri. Water Use Efficiency
~ Urban Water Use		
~ Reducing leakage/waste		
~ Change practices to reduce demand		
Phase 2 (2028-2042)	Supply Augmentation Projects	CGA/GSA Projects
		~ Distributed Recharge Projects
		~ Flood-MAR and Dry Wells
		~ Use of Recycled Water
		~ Flow Augmentation
	Benefits From Neighboring Projects	~ OHWD Recharge Projects
		~ Harvest Water
	Demand Management	
	Conservation Projects	~ Agri. Water Use Efficiency
		~ Urban Water Use
~ Reducing leakage/waste		
~ Change practices to reduce demand		

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CGA Board to PMA Committee: Report-Back Outline

- What was discussed in the CGA Board Meeting?
- What were the range of perspectives (support, concerns, info needs, etc.)?
- What were the outcomes? (e.g., recommendations)
- What's next?
- What feedback or direction did the CGA Board give?



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PMA Committee to CGA Board: Report-Back Outline

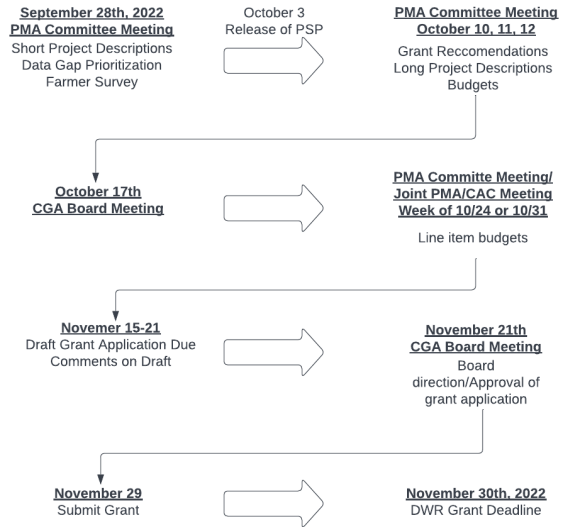
- What's happened since last CGA meeting?
- What was discussed at Committee meetings?
- What were the range of perspectives (support, concerns, info needs, etc.)?
- What were the outcomes? (e.g., recommendations)
- What's next?
- What feedback or direction do we need from CGA Board?



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Agenda Item #2: 3-Month Look Ahead

Cosumnes Groundwater Authority PMA Committee Timeline



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Agenda Item #4: Data Gaps

- Staff Recommendation: see Data Gaps document
- Data gaps identified during GSP development
- Review of comments on GSP

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Data Gaps

- Land Use and Crop Type
 - Field verification
 - Data visualization
- Consumptive Use
 - Evapotranspiration
 - Field monitoring
 - GW Demand
- Geophysical
 - Extent of clay layers throughout subbasin
 - Perched and primary aquifer identification
 - Recharge potentials
 - Especially adjacent to stream channels
 - SAsB projects impact
- Groundwater Dependent Ecosystems
 - Perched and primary aquifer
 - Interconnected surface water
- Monitoring
 - Cone of depression
 - Groundwater Dependent Ecosystem
 - Stream gauges
- Shallow Well Impact
 - DAC Communities
 - Ag-res
- Inter-basin groundwater flows
 - SAsB impact
 - Harvest Water
 - OHWD Recharge Projects
 - Eastern San Joaquin

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Agenda Item #5: Supply Augmentation

- Partnerships and coordination
 - Tom Gohring
 - Water Forum
 - OHWD
- Feasibility Studies
 - Laguna Creek
 - Dry Creek
 - Amador County water
 - Small Scale/Distributive Recharge – info from EKI/LWA
- Next Steps

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Feasibility Studies

- Geophysical data to narrow down locations (broad and small scale)
- Identify willing landowners
- Water supply
- Installation
- Operation
- Monitoring
- Reporting

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OHWD Recharge Project Updates

- Laguna Del Sol
- Flood-Mar
- How to include into grant?

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PMA Summary

- Review PMAs expected to be in grant
- Note: not all PMAs are included, please refer to the GSP for guiding principles and expected timelines

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PMA Summary: Supply Augmentation

- Feasibility Studies
 - Cost/Benefit Ratios
- OHWD Projects
- Institutional Capacity and Relationships

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PMA Summary: Demand Management

- Water Accounting
- Water Efficiencies
- Repurposing
- Potential coordination with SRCD/CARCD and the DOC Multibenefit Land Repurposing Grant
- Data/prescription visualization
- Outreach/Engagement/Education

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PMA Summary: Data Gaps

- Refer to GSP data gap list
- Recommend data gap priorities
- Engage with and begin to address GSP comments

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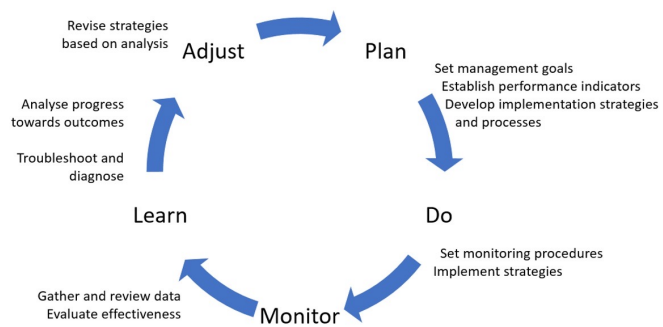
Agenda Item #6: Draft Recommendations for DWR Implementation Grant

- Short descriptions of PMAs recommended for inclusion in the DWR grant
 - Request from Grant Writer – to understand big picture
- Desired Outcome: prepare draft recommendations to submit to CGA Board on October 17

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Administrative Grant Activities

- Building institutional capacity
- Adaptive Management/Iterative Process



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Farmer Survey

- Outreach to inform Demand Management
 - Supply augmentation opportunities included
- Edits
- Distribution methods
- Timeline
- Focus Group

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Agenda Item #7: CGA Report Back

- GSA/Partner Updates
- Volunteers
 - Note keeping
 - Reporting to CGA Board
 - Reviewing project descriptions

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- What's next?
- What feedback or direction did the CGA Board give?



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PMA Committee to CGA Board: Report-Back Outline

- What's happened since last CGA meeting?
- What was discussed at the Committee meeting(s)?
- What were the range of perspectives (support, concerns, info needs, etc.)?
- What were the outcomes? (e.g., recommendations)
- Any work done between committee meeting and today?
- What's next?
- What feedback or direction do we need from CGA Board?



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Upcoming Meetings

- Next PMA Meeting: Week of 10/10
 - review full PMA descriptions, recommendations to CGA Board for grant
- CGA Board Meeting: October 17th, 2022
- PMA/CAC Joint Meeting: week of 10/24 or 10/31

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THE END

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