

Eastern San Joaquin Subbasin Groundwater Sustainability Workgroup January 9, 2019



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Agenda



- Meeting Objectives
- Roadmap
- Charter
- Projects and Management Actions
- Project Financing
- Announcements
 - Third Informational Meeting
 - Situation Assessment Next Steps
- Other Topics



Meeting Objectives

Meeting Objectives



1. Review Workgroup roles and meeting structure
 - Presentation of Workgroup roadmap and charter summary
2. Identify gaps in project portfolio themes
 - Presentation on project assessment and preliminary project portfolios
 - Discussion Item: Are there other portfolio themes we should be considering?
3. Introduce approach to project financing
 - Presentation introducing Workgroup task of identifying financing options

Moving forward, meeting objectives will be clearly identified at the start of each meeting



Roadmap

Meeting Objectives and Deliverables are Identified in the Roadmap



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Eastern San Joaquin Groundwater Sustainability Workgroup Roadmap Meeting Topics, Objectives & Deliverables

Period	Meeting Topics	Objectives	Deliverables
Jan '19	Meeting Structure Projects & Management Actions	<ul style="list-style-type: none"> Review Workgroup roles and meeting structure Identify gaps in project portfolio themes Introduce approach to project financing 	<ul style="list-style-type: none"> Workgroup Charter 1-Page Document Updated Project Roadmap
Feb '19	Financing	<ul style="list-style-type: none"> Identify and discuss financing options for GSP project implementation 	<ul style="list-style-type: none"> Draft GSP Table of Contents <u>Draft GSP Sections:</u> Introduction / Purpose of the GSP Data Compilation Hydrogeologic Conceptual Model
Mar '19	Financing Monitoring Networks	<ul style="list-style-type: none"> Identify and discuss financing options for GSP project implementation Understand and review approach to developing the groundwater monitoring network 	<ul style="list-style-type: none"> <u>Draft GSP Sections:</u> Agency Information Description of the Plan Area Plan Area Monitoring Land Use Elements Data Management System Water Budget Current and Historical Conditions
Apr '19	Implementation Plan	<ul style="list-style-type: none"> Review and discuss approach to GSP implementation 	<ul style="list-style-type: none"> <u>Draft GSP Sections:</u> Monitoring Network Sustainability Indicators
May '19	Public Draft GSP and Next Steps	<ul style="list-style-type: none"> Review and discuss draft GSP document 	<ul style="list-style-type: none"> Draft GSP



Charter

Roles and Responsibilities of Workgroup Members

Workgroup Committee Purpose:

Sustainable Groundwater Management Act required that the local agencies form Groundwater Sustainability Agencies (GSAs) and create a path to achieve and document sustainable groundwater management within 20 years following Plan adoption to ensure the long-term sustainability of locally-managed groundwater resources in the subbasin now and into the future.

As part of developing an inclusive plan, a well-rounded this committee has been formed to provide input as the GSP is developed.

Workgroup Committee Roles and Responsibilities:

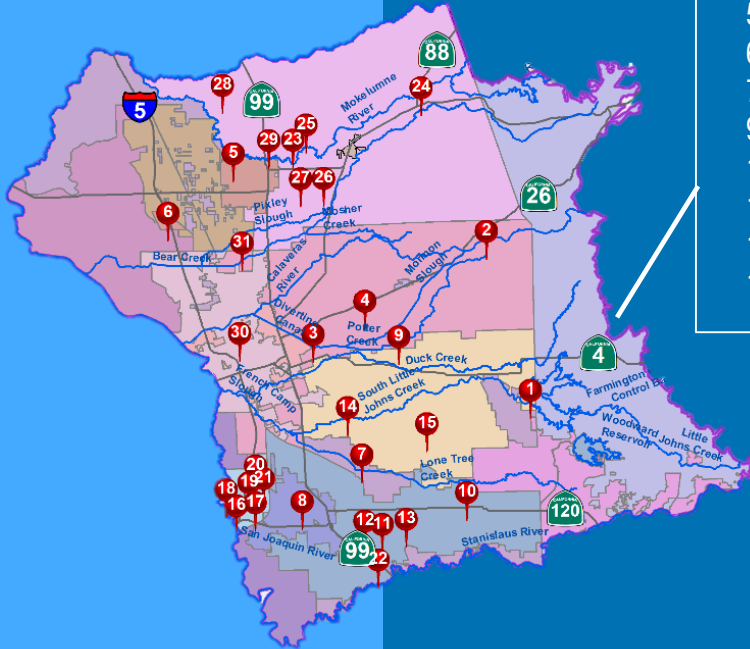
- All participants agree to work toward consensus-based or majority rules decision-making, to act in good faith in all aspects of this effort and communicate their interests during meetings.
- Everyone who is joining in the Stakeholder Committee is doing so because s/he has a stake in the issues at hand.
- Everyone agrees to inform their leadership and constituents about the outcome of the facilitated discussions.
- Everyone agrees to attend all the meetings to the extent possible.
- Everyone agrees that committee members should meet with other organizational or interest group members outside the meetings to obtain their input.
- Agreements stand even if representatives change.
- We ask all committee members to listen intently, share their input openly and ask questions that will enhance the plan's goals.
- Explain your thoughts in a non-emotional way and help others understand your opinions and work to understand theirs.
- Talk about your own ideas and thoughts as you make your point quickly and efficiently.
- Do your homework between sessions and provide input on the important items in front of the group—save the nitpicky stuff for outside the meetings.
- Creative thinking and problem solving are essential to success. Step outside the box and think about the problem in a new way.

Review: Roles and Responsibilities Identified in the Charter



Projects and Management Actions

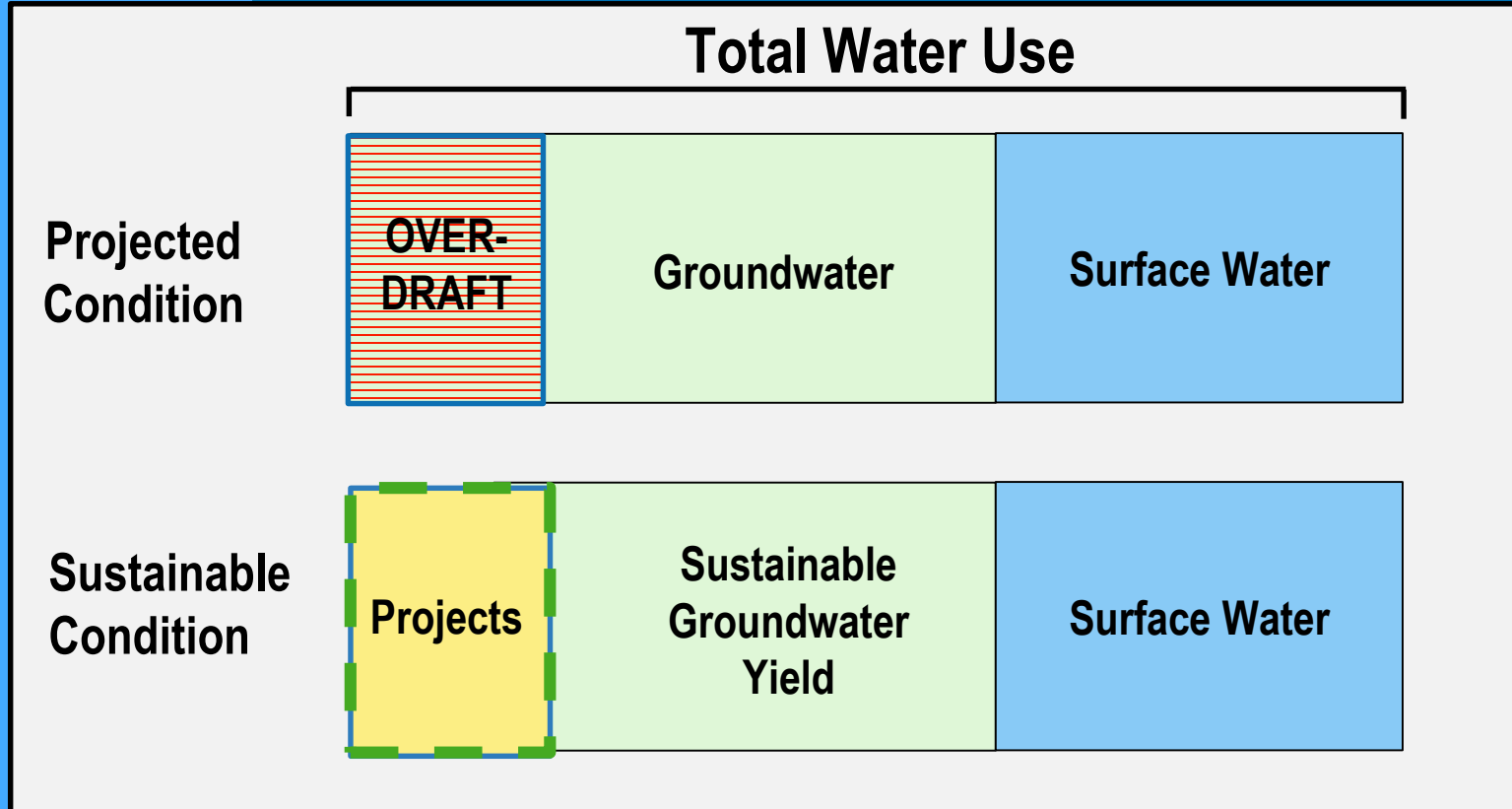
Preliminary List of Projects



- 1 – Farmington Dam Repurpose Project
- 2 – Lake Grupe In-Lieu Recharge
- 4 – SW Implementation Expansion
- 5 – SW Facility Expansion & Delivery Pipeline
- 6 – White Slough WPCF Expansion
- 7 – Recycled Water Transfer to Agriculture
- 9 – Water Transfers to SEWD and CSJWCD
- 10 – Increase Nick DeGroot SW Deliveries
- 11 – City of Escalon Wastewater Reuse
- 12 – South San Joaquin Stormwater Reuse
- 13 – Pressurization of SSJID Facilities

- 14 – BNSC Intermodal Facility Recharge Pond
- 15 – CSJWCD Capital Improvement
- 22 – City of Ripon Surface Water Supply
- 24 – Mokelumne River Loss Study
- 25 – North System Modernization
- 26 – PDA Banking
- 27 – South System Modernization
- 29 – Winery Recycled Water
- 30 – Advanced Metering Infrastructure
- 31 – Mobilizing Recharge Opportunities

Projects and Management Actions May be Used to Offset Overdraft



Project/Portfolio Development Process



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**Confirm
Project
Benefits**

Identify
Portfolio
Themes

Review &
Consider
Portfolio
Benefits

Refine &
Optimize
Portfolios

Address
Undesirable
Results (GSA-
scale Projects)

Project Review Criteria



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Projects were reviewed with project proponents using the criteria developed by the Advisory Committee:

1. Implementability
2. Location / Proximity to Area of Overdraft
3. Cost per Volume Water Savings
4. Environmental Benefit / Impact
5. Disadvantaged Community Benefit
6. Water Quality Impact (Positive or Negative)
7. Affordability

Preliminary Project Portfolios



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Goal: Assemble preliminary groupings (“portfolios”) of projects that together would offset overdraft at the subbasin scale

Process

- Initial portfolios were developed around themes discussed by Advisory Committee
- Next Steps
 - Review and discuss strengths and weaknesses of preliminary groupings
 - Identify “hybrid” groupings that better meld the benefits and drawbacks of each portfolio

Preliminary Project Portfolios



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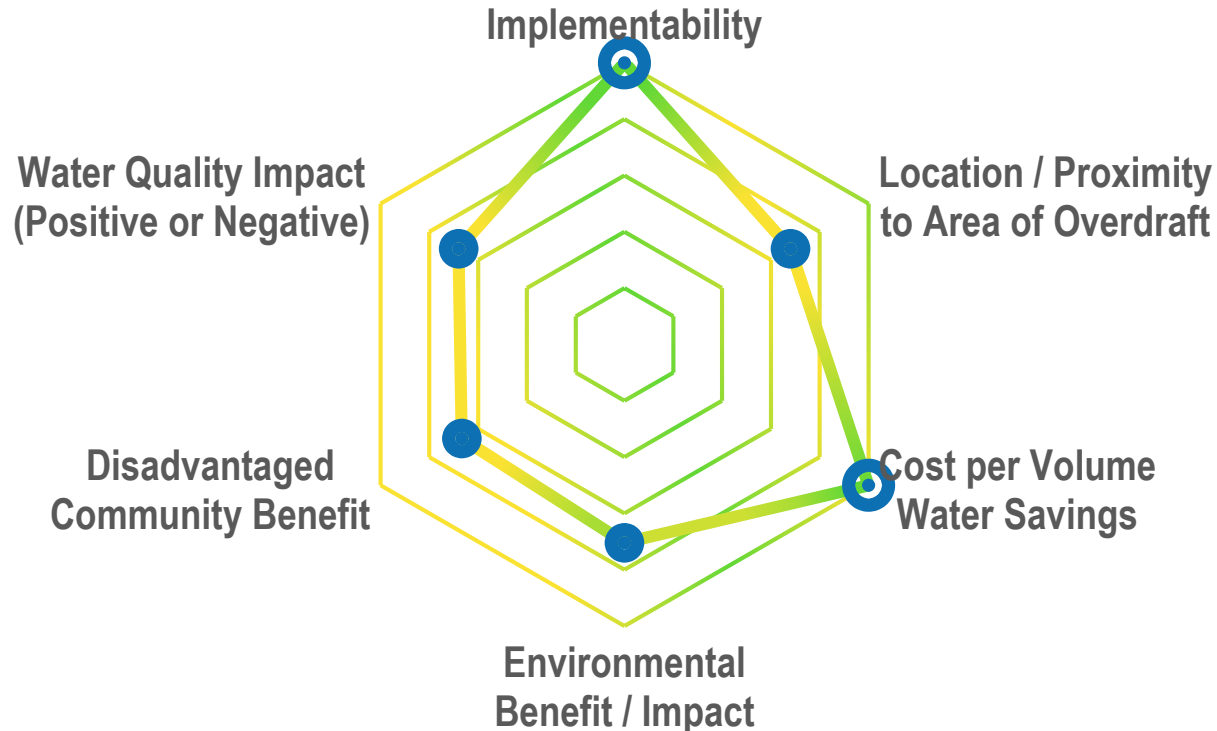
Preliminary portfolio themes:

- Cost-Effectiveness
- Regional Diversity
- Minimized Infrastructure
- Environmental Benefit
- DAC Benefit
- Impact to Cone of Depression
- Fast Implementation
- Small-Volume Projects
- Large-Volume Projects

Portfolio 1: Cost-Effectiveness



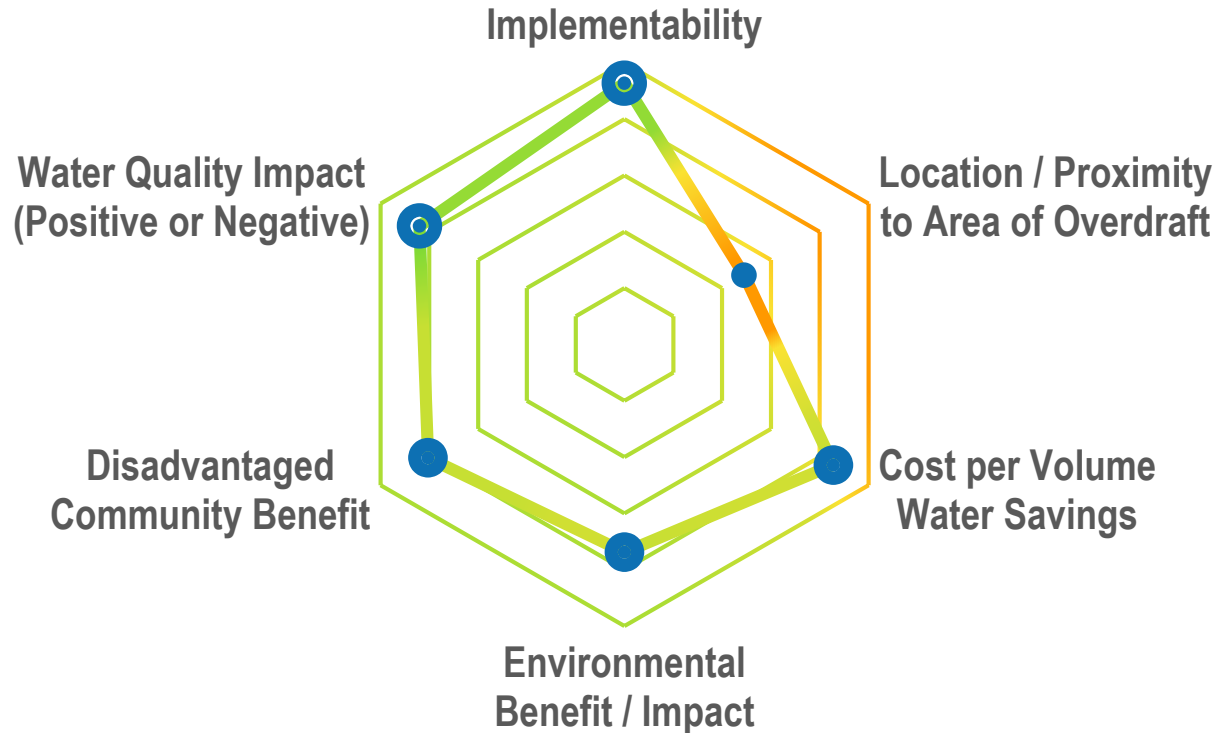
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Portfolio 2: Regional Diversity



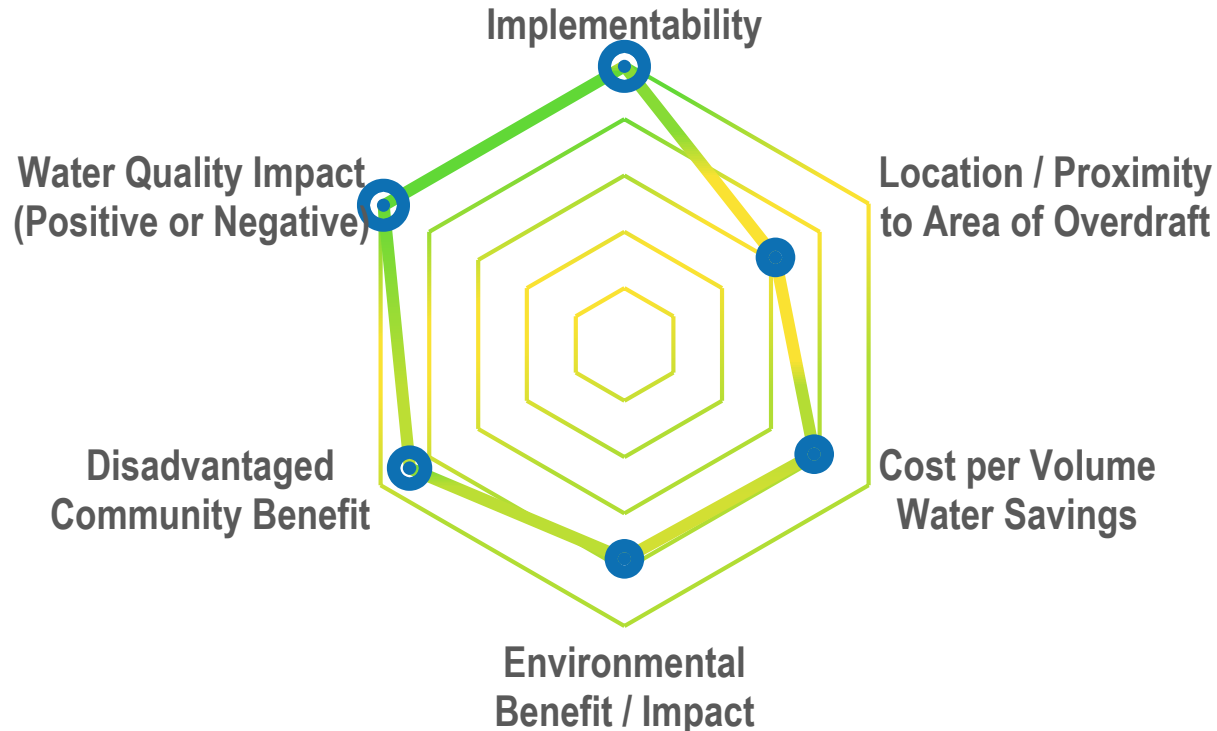
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Portfolio 3: Minimized Infrastructure



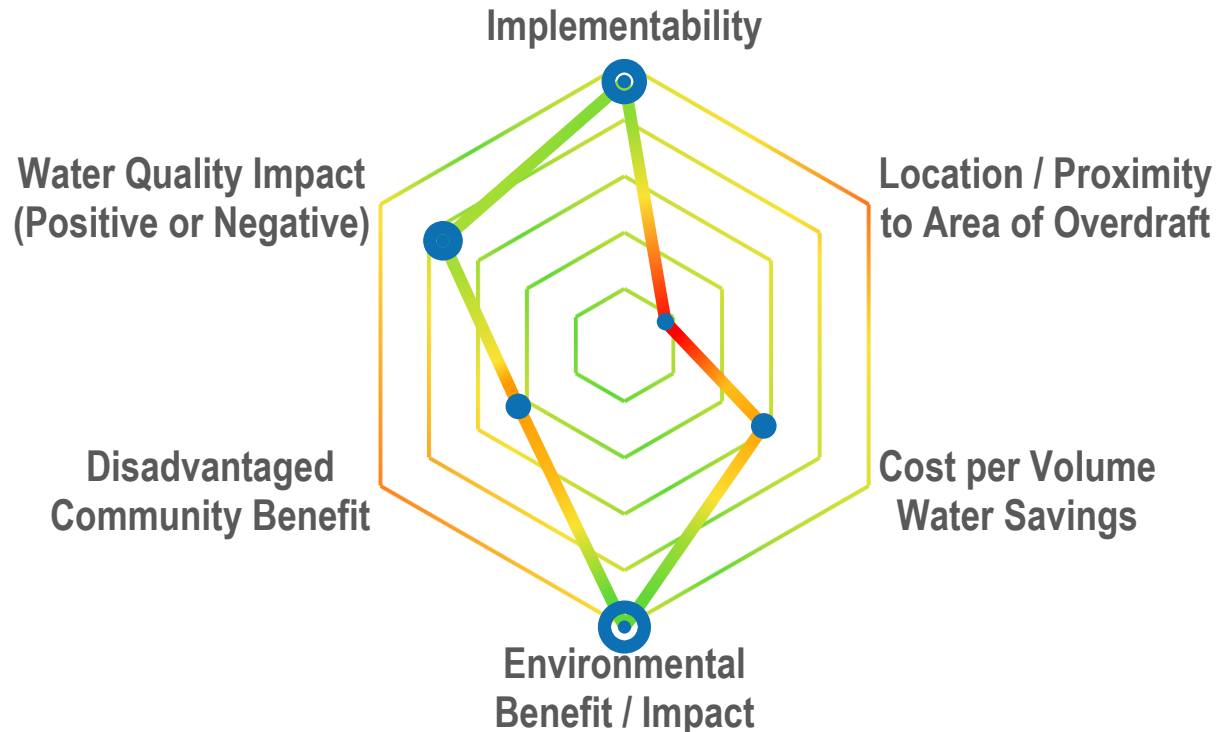
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Portfolio 4: Environmental Benefit



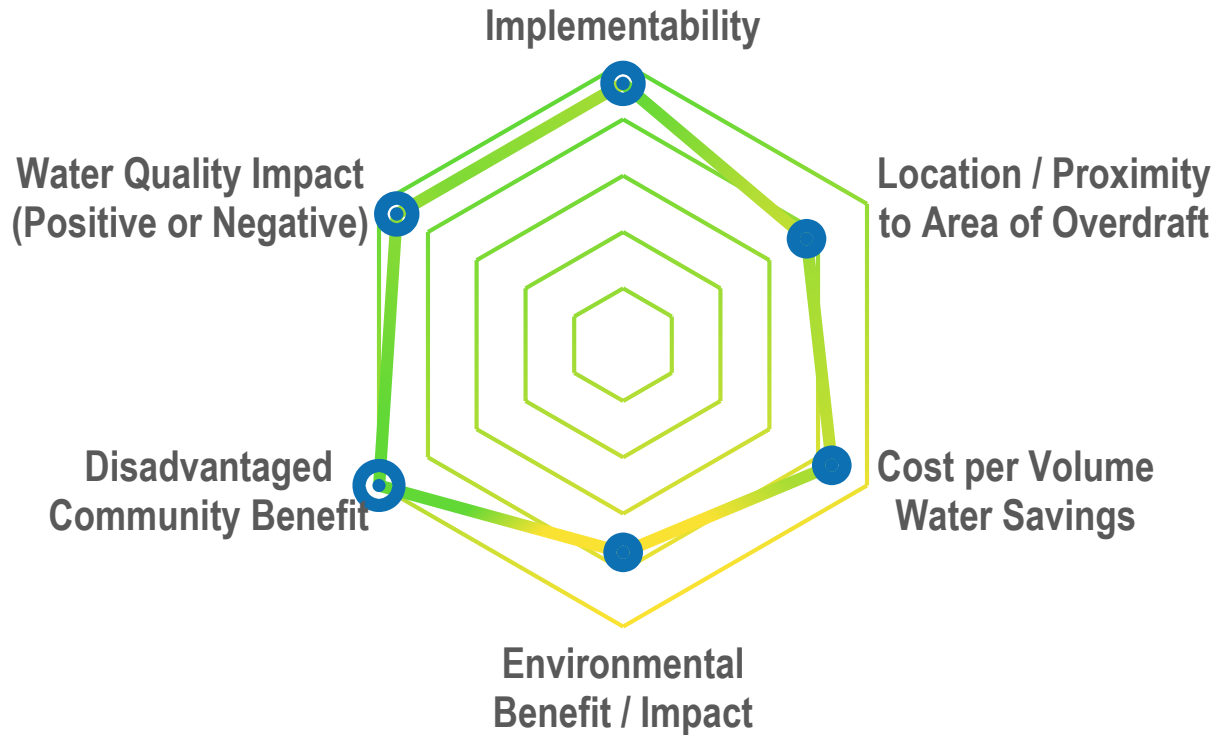
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Portfolio 5: DAC Benefit



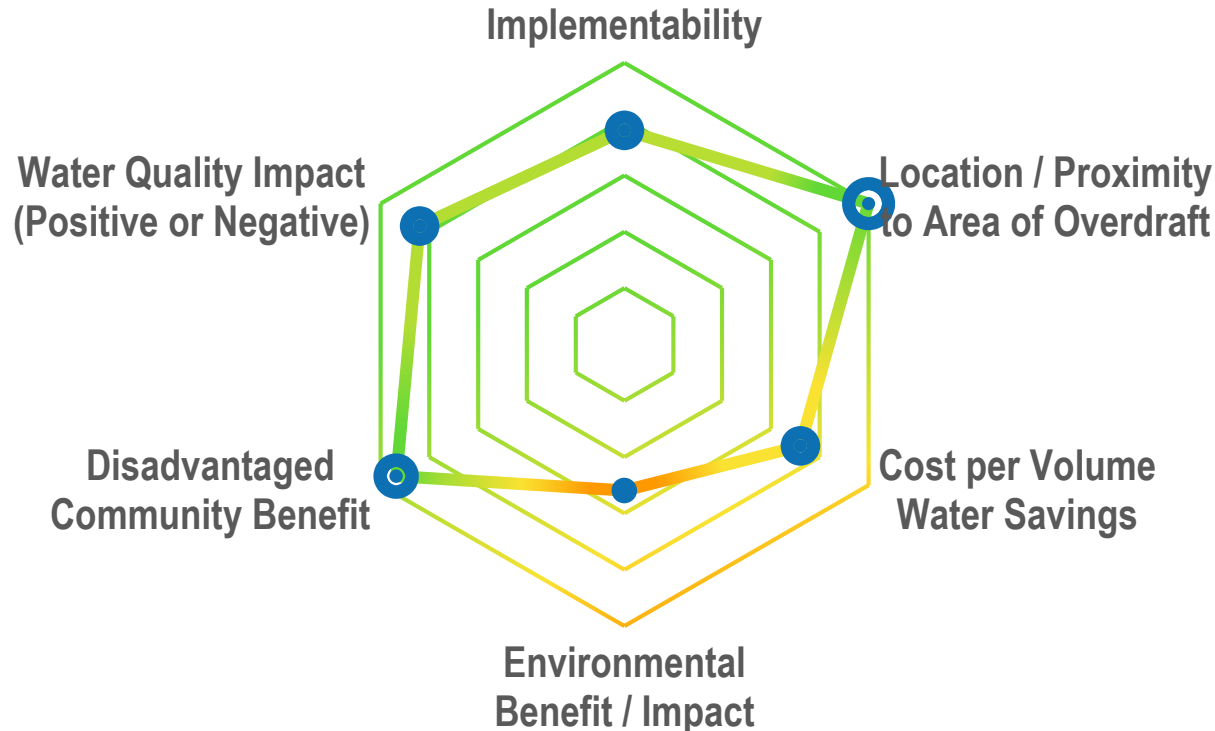
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Portfolio 6: Impact to Cone of Depression



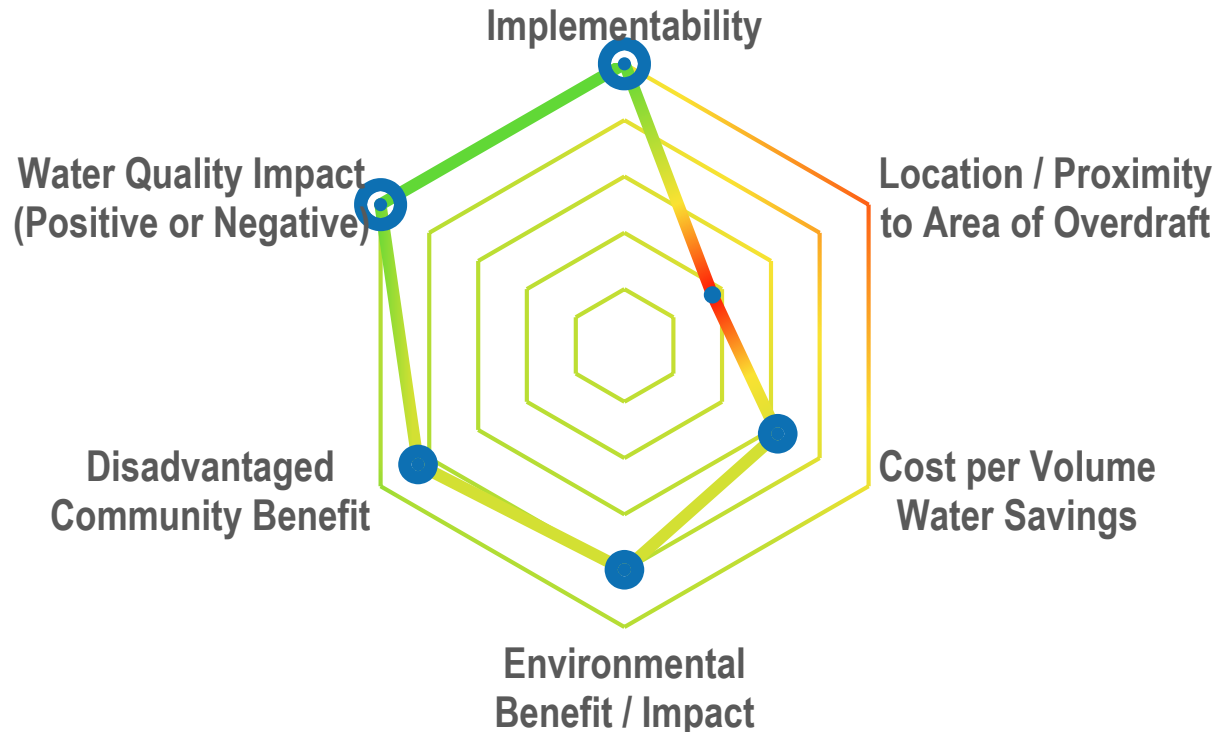
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Portfolio 7: Fast Implementation



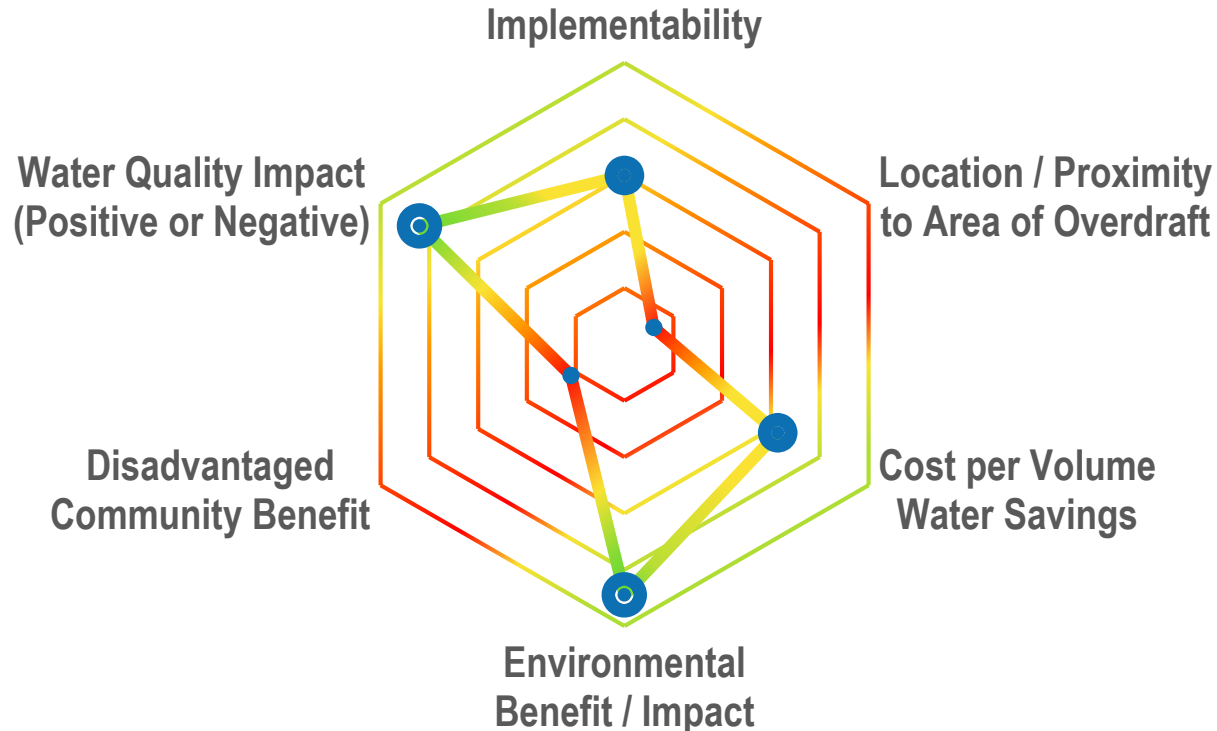
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Portfolio 8: Large-Volume



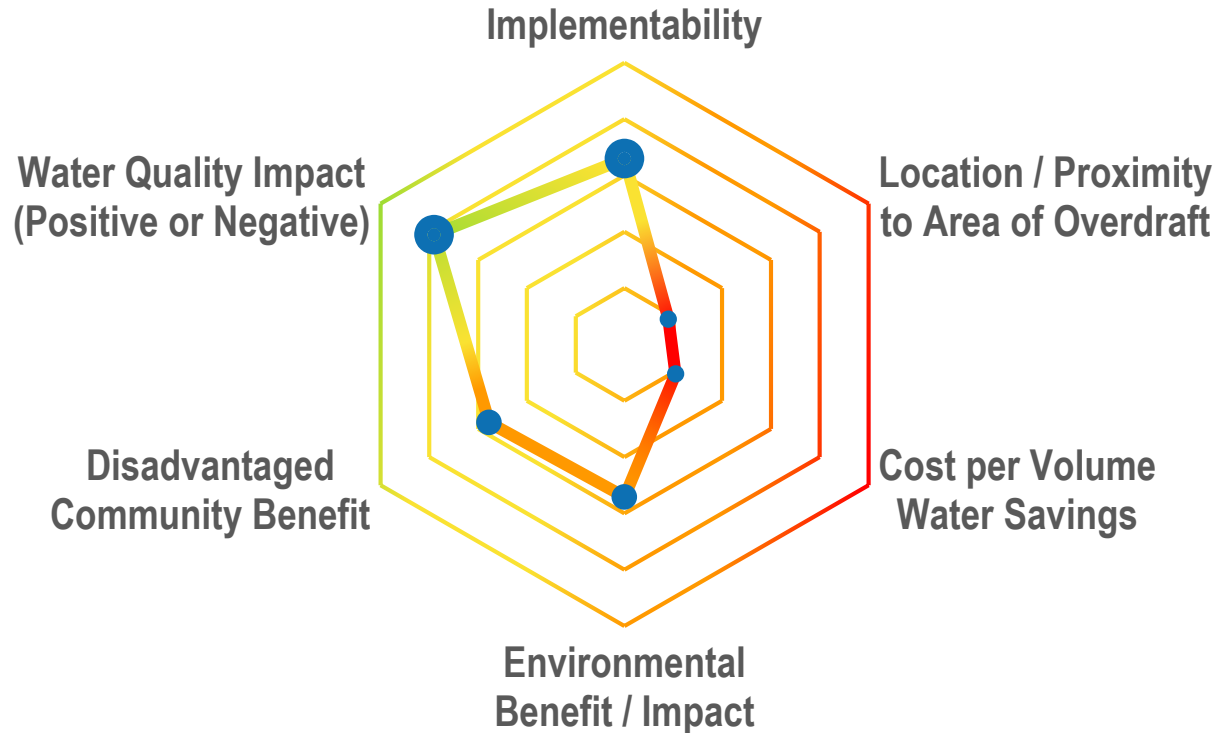
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Portfolio 9: Small-Volume



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Implementability

Water Quality

Location

DAC Benefit

Cost / Volume

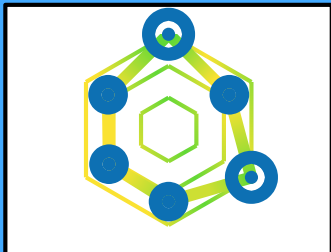
Environmental

Portfolio Comparison

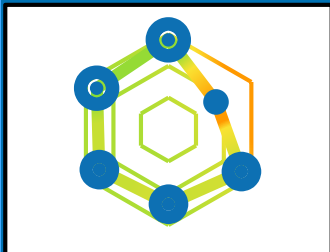


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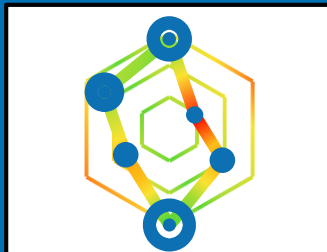
Cost-Effectiveness



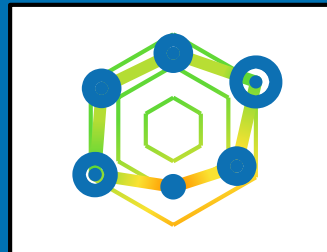
Regional Diversity



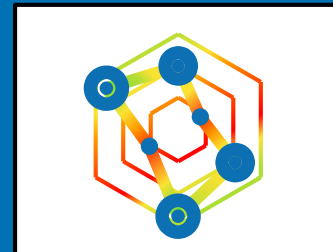
Environmental
Benefit



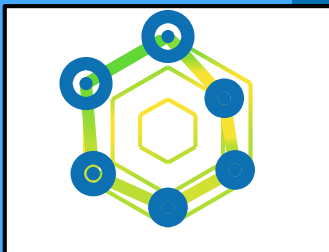
Impact on Cone of
Depression



Large Projects



Minimize Infrastructure



DAC Benefit



Fast Implementation



Small Projects



Discussion



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Are there other portfolio themes we should be considering?

Preliminary portfolio themes:

- Cost-Effectiveness
- Regional Diversity
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- Fast Implementation
- Small-Volume Projects
- Large-Volume Projects



Project Financing

Financing – Identifying Funding Opportunities



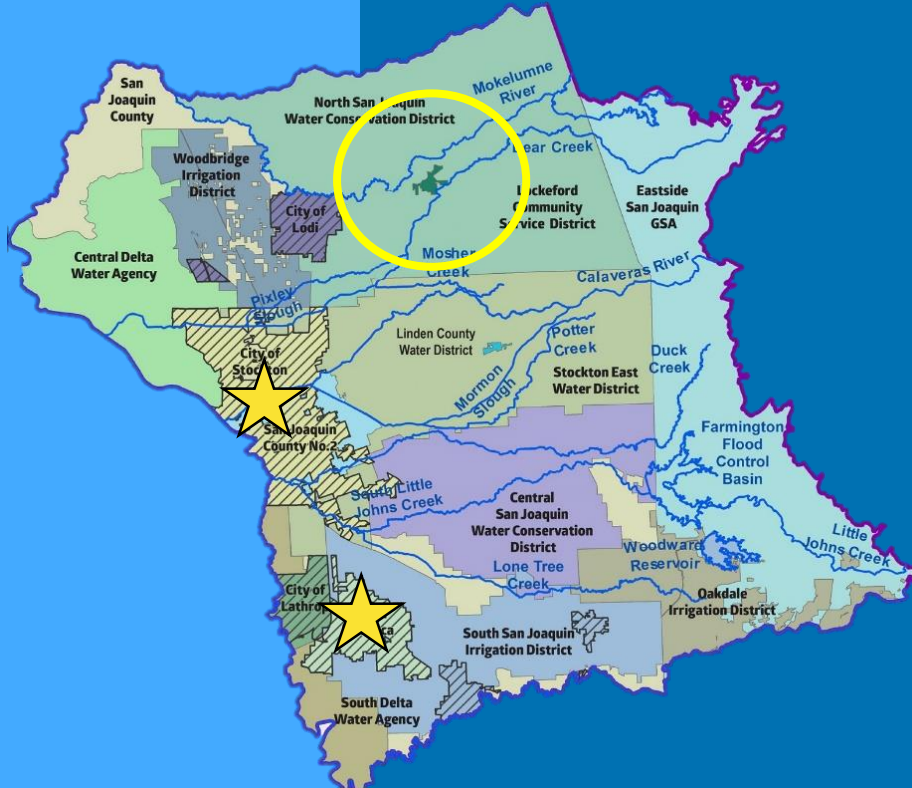
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- The Workgroup will be tasked with identifying potential paths toward financing projects
- Ways of financing programs being looked at include
 - Grant funding
 - Tax
 - Fee (e.g., parcel-based)
 - Others?



Announcements

Third Informational Meeting



- The 3rd informational meeting will be held at the Lockeford Community Center

February 12th, 6:30-8 p.m.
Lockeford Community Center
19258 N. Jack Tone Rd
Lockeford, CA 95237

Outreach for Informational Meeting



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- GSAs will receive an outreach toolkit to promote the event
 - Bi-lingual Flyer
 - Press Release
 - Social Media Content
- Information promoting the event will be sent out to stakeholder mailing lists
- Meeting details will be posted to the GWA website and Facebook page

Situation Assessment

Next Steps



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- The Advisory Committee has received an overview of the Situation Assessment findings. A final memo and condensed slides have been posted to the website
- Situation Assessment findings will be presented to the GWA Board in February

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