



## **SGM Grant Program-Round 2 Application and Project Prioritization**

Joint Meeting of the Vina GSA and Rock Creek Reclamation District GSA Boards  
November 9, 2022

## Recent Efforts: Two Parts

### 1. Project Development

- Project Workshops

<https://www.vinagsa.org/sgm-grant-program-workshop-series>

- Project Descriptions and Budgets

### 2. Grant Application Development- **Now**

- Project selection/refinement per grant program guidelines
- Project prioritization

# SGM Grant Program Overview

- DWR is administering the Sustainable Groundwater Management (SGM) Grant Program
- **Solicitation Opened: October 4, 2022. Deadline: December 16, 2022, 10 AM**
- Final Guidelines and Proposal Solicitation Package (PSP) were released in December 2021 – **some things have changed**
- Two rounds of grant solicitations.
  - Round 1 – funds were awarded spring 2022 for Critically Over-drafted Basins  
~\$150 million
  - **Round 2- High, Medium and Critically Over-drafted basins are eligible.**  
**~231 million available.**  
**Grant awards will be: Minimum** – \$1 million per basin; **Maximum**– \$20 million per basin
- Only one application will be accepted per basin/subbasin- Vina GSA submitting on behalf of the Vina Subbasin

# Grant Program Schedule

## Solicitation Dates:

- Solicitation opened October 4, 2022
- Solicitation closes ~~November 30, 2022~~ December 16, 2022
- Draft Award List April/May 2023
- Final Award July/August 2023

## Eligible Costs

- Reimburse from October 4, 2022 – April 30, 2026

## Final Payment Date

- On or before June 30, 2026\*

## A Few Things to Note

- ▶ Local cost share not required
- ▶ Reimbursable expenses start **October 4, 2022**
- ▶ Reimbursement Deadlines:
  - ▶ **April 30, 2026 Project Completion Date**
  - ▶ **June 30, 2026 Last Date for Invoicing**
- ▶ Ranking the projects is very important (Table 2) – *Imagine DWR only funds 1 or 2 projects; which ones do you want to get funded?*
- ▶ Think about what projects could be funded by other grants or funding sources

# Application Evaluation Criteria (28 pts total)

- Component description and benefits: up to 26 pts
  - Evaluated separately and averaged-> critical that all projects have strong supporting information
  - General background description/map (14 pts)
  - Does the component benefit an Underrepresented Community (-ies), a Tribe or an SDAC? (4 pts)
  - Will the component positively impact issues associated with small water systems or private shallow domestic wells? (4 pts)
  - How does the component address the Human Right to Water (AB 685 Section 106.3)? (4 pts)
- Remaining points for budget (1 pts) and schedule (1 pt)

- 4 - Project benefits a Tribe or an SDAC(s)
- 3- Project benefits an DAC(s)
- 2- Project benefits Underrepresented Community
- 1 - Project partially benefits either
- 0 - Project does not benefit either

[Sustainable Groundwater Management \(SGM\) Grant Program SGMA Implementation Round 2 - Applicant Workshop](#)

## Possible Refinements for a Strong Application

- ▶ Tighten up titles and tasks
- ▶ Number of “Components” may change- activities listed may be added as task(s) to a larger “Component” to strengthen the application
  - ▶ Example Data Management System
- ▶ Project Work plans (Tasks/deliverables) will be streamlined and simplified per the grant program instructions
- ▶ Project administration, outreach/education, monitoring tasks may be added to various/all projects
- ▶ Refine project schedules
- ▶ Budgets will be simplified and fit into 5 broad categories (Grant Agreement Administration, Environmental/Engineering/Design, Implementation/Construction, Monitoring/Assessment, Engagement/Outreach)



# Anticipated Process and Tentative Timeline

- August: Joint GSA Board meeting (Vina GSA and Rock Creek GSA) to give direction on list of projects to develop a more detailed scope/schedule budget for
- September/October – Project development with consultant support, input through Public Project Workshop Series
- October 26: SHAC provided recommendation on package of projects to include in a grant application and their prioritization
- November 9: Joint GSA Board meeting to establish the list of projects/prioritization to include in a SGM Grant Program application
- December 16<sup>th</sup> deadline - Staff/consultants to prepare grant application and submit by deadline





## Requested Action

1. Approve a Vina Subbasin list of project components and the prioritization to be used in developing the SGM Round 2 grant application.
2. RESOLUTION BY THE VINA GROUNDWATER SUSTAINABILITY AGENCY THAT AN APPLICATION BE MADE TO THE DEPARTMENT OF WATER RESOURCES TO OBTAIN A GRANT UNDER THE 2021 SUSTAINABLE GROUNDWATER MANAGEMENT GRANT PROGRAM SGMA IMPLEMENTATION GRANT.
3. RESOLUTION OF THE BOARD OF DIRECTORS OF ROCK CREEK RECLAMATION DISTRICT IN SUPPORT OF THE VINA GSA'S APPLICATION FOR A SUSTAINABLE GROUNDWATER MANAGEMENT GRANT

# Options Overview

**Attachment A: Summary of Projects and Implementation Activities- SHAC Meeting, 10/26/2022**

Note: Tier A projects are activities required to comply with SGMA or to address Data Gaps identified in the GSP

#	Tier	Ref #	Title	Estimated Cost	Start Date	End Date
A.	A	A.	<b>Grant Agreement Administration</b>	400,000	Dec-23	Jun-26
1	A	MA 1	<b>GSP Implementation, Outreach, and Compliance Activities</b>			
		1	<i>Annual Report Development, for WY 2022, 2023, 2024, 2025</i>	160,000	Nov-22	Jun-26
		2	<i>GSP Updates and Response to DWR Comments</i>	100,000	Jan-24	Jul-24
		3	<i>5-year Evaluation Report</i>	300,000	Jan-24	Jan-27
		4	<i>Outreach and Education Program</i>	100,000	Jan-22	Jun-27
			<b>TOTAL</b>	660,000		
2	A	DE 4	<b>Data Management System</b>			
		1	<i>Component administration and management</i>	25,000	Jul-23	Jul-26
		2	<i>Finalize requirements of DMS</i>	50,000	Sep-23	Sep-24
		3	<i>Develop and document DMS</i>	125,000	Mar-24	Mar-26
		4	<i>Stakeholder engagement, education, and outreach</i>	50,000	Jul-23	Mar-26
			<b>TOTAL</b>	250,000		
3	A	LSCE 1	<b>Community Monitoring: Domestic Well Survey</b>		Jan-24	Dec-25
		1	<i>Perform Well Records Survey</i>	15,000	Jan-24	Mar-24
		2	<i>Verify Well Use/Status</i>	20,000	Jan-24	Mar-24
		3	<i>Perform Well Video Surveys</i>	120,000	Apr-24	Dec-24
		4	<i>Create/Maintain Dry Well Database</i>	25,000	Apr-24	Dec-25
		5	<i>Engagement/Outreach to Monitoring Participants</i>	20,000	Jul-24	Dec-24
		6	<i>Equip Wells/Well Owner Monitoring Education</i>	100,000	Oct-24	Sep-25
		7	<i>Develop Community Database System</i>	30,000	Apr-25	Dec-25
			<b>TOTAL</b>	330,000		
4	A	MA 3	<b>Interconnected Surface Water (ISW)/Associated Impacts on Groundwater Dependent Ecosystems</b>		Jun-23	Jun-25
		1	<i>Develop Plan to Fill Data Gaps</i>	30,000		
		2	<i>Gather and Evaluate Data</i>	200,000		
		3	<i>Interbasin Coordination on Methodology and Approaches</i>	20,000		
		4	<i>Develop and Implement an Approach to Set ISW SMC</i>	200,000		
			<b>TOTAL</b>	450,000		
5	A	LSCE 5	<b>Monitoring Network Enhancements</b>		Jan-24	Dec-25
		1	<i>Community Domestic Well Monitoring</i>	53,750	Jan-24	Dec-24
		2	<i>Installation of Multi-completion Monitoring Wells</i>	810,000	Jan-24	Jun-24
		3	<i>Installation of Shallow Groundwater Monitoring Devices</i>	335,000	Apr-24	Jun-25
		4	<i>Installation of Surface Water Stream Gauges</i>	125,000	Apr-24	Jun-25
		5	<i>Mapping the GDE (in space and changes over time) utilizing CSU Chico Staff</i>	50,000	Jul-24	Dec-25
		6	<i>Integrate Data Into GSP Monitoring Database</i>	15,000	Jul-24	Dec-25
		7	<i>Engagement/Outreach</i>	30,000	Apr-24	Jun-25
		8	<i>Interbasin Coordination</i>	20,000	Jan-24	Dec-25

Table 1- SHAC Recommended Projects/Components and Order of Priority

Final Rank	Project / Component	Approximate Cost
	<b>Grant Agreement Administration</b>	400,000
1	<b>Data Management System, Monitoring Network Enhancements</b>	2,018,750
2	<b>GSP Implementation, Outreach, and Compliance Activities, Interconnected Surface Water (ISW)/Associated Impacts on Groundwater Dependent Ecosystems</b>	1,110,000
3	<b>Project and Management Action Implementation, Inter-basin Coordination Activities</b>	1,150,000
4	<b>Extend Orchard Replacement</b>	1,500,000
5	<b>Lindo Channel Surface Water Recharge Implementation</b>	1,100,000
6	<b>Agricultural Surface Water Supplies</b>	4,500,000
7	<b>Domestic Well Mitigation</b>	675,000
8	<b>Agricultural Irrigation Efficiency</b>	1,000,000
9	<b>Expansion of Water Purveyors' Service Area</b>	145,000
10	<b>Sand Creek Flood MAR/Ag MAR Project Phase 2</b>	2,500,000
11	<b>Well Permitting Ordinance</b>	137,500
12	<b>Groundwater Recharge Feasibility Analysis and Site Evaluation</b>	2,670,000
	<b>Total</b>	<b>18,906,250</b>

# Additional Considerations

## 1. **Consolidating Expansion of Purveyor's Service Area and Well Permitting Ordinance Tasks**

Staff suggests combining these items into a larger component or not including them in the application

## 2. **Alternative Funding Sources**

Other funding (drought, local funding from fees, federal funding) could be pursued for some projects/tasks. This would require an allocation of resources to support additional grant application development

## 3. **Alternative Package of Components**

Streamlines and strategically combines a few projects that could help to make some progress on multiple fronts if the Components were to be funded.

## 4. **Pursue Technical Support Services for New Monitoring Infrastructure**

Reduce the monitoring Network Enhancements Component and pursue Technical Support Services to install monitoring wells. TSS applications take time and so the grant could help fund staff/consultant time to pursue these alternative funds.

**Table 3- Alternative Package of Components**

#	Component	Estimated Cost
1	Grant Agreement Administration	400,000
2	Monitoring Network Enhancements to Address Data Gaps	2,080,000
3	GSP Implementation, Outreach, and Compliance Activities	1,110,000
4	Project and Management Action Implementation	1,100,000
5	Lindo Channel Surface Water Recharge Implementation	1,100,000
6	Agricultural Best Management Practices for Water Use Efficiency and Alternative Supply	3,450,000
7	Sand Creek Flood MAR/Ag MAR Project Phase 2	2,500,000
8	Groundwater Recharge Feasibility Analysis and Site Evaluation	2,670,000
	<b>TOTAL</b>	<b>14,410,000</b>

**Attachment D:  
Component Descriptions-  
Tasks, Deliverables, & Estimated  
Costs**

# 1. Grant Agreement Administration

\$400,000

## Key Deliverables

- Quarterly Progress Reports
- Quarterly Invoices, and all required backup documentation
- Draft and Final Component Completion Reports
- Draft and Final Grant Completion Reports



Component Descriptions



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## 2. Monitoring Network Enhancements

**\$1,980,000**

Tasks	Deliverables	Estimated Cost
1 Installation and Additional Monitoring Wells and Stream Gauges	Installation of up to 10 shallow wells; up to 5 multi-completion wells; monitoring equipment in up to 25 private wells monitoring sites; up to 10 stream gauges	1,300,000
2 Mapping the GDE (in space and changes over time) utilizing CSU Chico Staff	Tech Memo summarizing methods and results of refined GDE mapping	50,000
3 Database of Domestic Wells in the Subbasin <sup>1</sup>	Domestic well dataset with construction details; installation of monitoring equipment; create/maintain database; outreach materials/presentations	330,000
4 Update and Maintain Data Management System	Functional DMS; DMS documentation and training materials; outreach activities/materials	250,000
5 Engagement/Outreach	Meeting agendas/presentations/materials	30,000
6 Inter-basin Coordination	Meeting agendas/summaries for coordination with neighboring subbasins	20,000

<sup>1</sup> Previously called "Community Monitoring- Domestic Well Survey"



SHAC Recommendation  
Component Descriptions



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### 3. GSP Implementation, Outreach, and Compliance Activities

**\$1,110,000**

Tasks	Deliverables	Estimated Cost
1 Annual Report Development, for WY 2022, 2023, 2024, 2025	Four Annual Reports	160,000
2 GSP Updates and Response to DWR Comments	Meetings with DWR; Modifications to Vina GSP, as needed	100,000
3 Develop and Implement an Approach to Refine Interconnected Surface Water Sustainable Management Criteria	Tech Memo on evaluation of available data and data filling plan; Inter-basin Coordination and Tech Memo recommending methodology and approaches for the Sac Valley; Modifications to Vina GSP- SMC	450,000
4 5-year Evaluation Report	5-Year Evaluation Report submitted to DWR	300,000
5 Outreach and Education Program	Outreach materials, Updated Communications and Engagement Plan	100,000



## 4. Project and Management Action Implementation

**\$1,100,000**

Tasks	Deliverables	Estimated Cost
1 Fee Study for Long term Financing of the Vina GSA	Identified funding mechanism for the Vina GSA	100,000
2 Legal Implications of Recharge Analysis	Recharge Analysis Report; Recharge project review and approval process; Prepare MOU/policy document/ordinance	200,000
3 BBGM Update and Re-Calibration	Updated Model Documentation Report	200,000
4 Analysis of Water Management Action Implementation Options	Presentation materials on modeling results for analyzed scenarios	200,000
5 Inter-basin Coordination Activities	Information sharing template; Final Report from Joint Analysis and GSP Evaluation; Contour maps for Butte/Glenn/Colusa/Tehama county subbasins; Documentation of issue resolution process; Inter-basin coordination agreement	400,000



## 5. Extend Orchard Replacement

**\$1,500,000**

Tasks	Deliverables	Estimated Cost
1 Component administration and management	Project management, invoices, and grant reporting	50,000
2 Develop extend orchard replacement pilot program	Tech Memo describing the pilot program (define incentive amounts, potential water savings)	150,000
3 Implement extend orchard replacement pilot program	Tech Memo describing pilot program results (participants, water saved, cost) and recommendations	1,200,000
4 Stakeholder engagement, education, and outreach	Outreach materials such as online videos, podcasts, meeting/workshop agendas	100,000



## 6. Lindo Channel Surface Water Recharge Implementation

**\$1,100,000**

Tasks	Deliverables	Estimated Cost
1 Refine Scope and Design Project	Investigation Report (Project feasibility and design)	300,000
2 Implementation Activities	Modified operations, needed infrastructure/dredging (as needed)	800,000



# 7. Agricultural Surface Water Supplies

**\$4,500,000**

Tasks	Deliverables	Estimated Cost
1 Component administration and management	Project management, invoices, and grant reporting	250,000
2 Develop projects and perform initial screening	Tech Memo summarizing initial project screening	750,000
3 Perform and document five project feasibility analyses	30% Design for each of five project feasibility analyses; 5 feasibility reports (including cost-benefit analysis)	3,000,000
4 Stakeholder engagement, education, and outreach	Outreach materials (online videos/podcast), Project working group meetings	500,000



## 8. Domestic Well Mitigation

**\$675,000**

Tasks	Deliverables	Estimated Cost
1 Create Voluntary Well Registration	Database of voluntary domestic wells and construction information	10,000
2 Establish County Well Mitigation Prioritization Process	Identify dry and high-risk wells; predictive model of where future high-risk wells likely to occur; policy framework of eligible users of mitigation funding support	95,000
3 Develop Well Mitigation Funding Strategy	Tech Memo outlining funding strategy and needs	10,000
4 Implement High Priority Well Mitigation Projects	Mitigate 10 highest-risk/dry wells	550,000
5 Engagement/Outreach	Presentations to Board/public	10,000



## 9. Agricultural Irrigation Efficiency

**\$1,000,000**

Tasks	Deliverables	Estimated Cost
1 Component administration and management	Project management, invoices, and grant reporting	100,000
2 Develop precision irrigation piloting program	Tech Memo of Precision Irrigation Pilot Program (includes field-scale ground-based inventory of irrigation methods, crops, and water sources for Vina SB)	150,000
3 Implement precision irrigation pilot program	Remotely sensed ET to Vina agricultural stakeholders to implement precision irrigation	500,000
4 Analyze results of precision irrigation pilot program	Tech Memo (quantify subbasin-wide opportunities for reductions in ET and provide recommendations)	150,000
5 Stakeholder engagement, education, and outreach	Outreach materials (online videos/podcast), outreach events/workshops	100,000





# 10. Expansion of Water Purveyors' Service Area

**\$145,000**

Tasks	Deliverables	Estimated Cost
1 Prepare Final Implementation Plan	Identification of areas/customers where purveyor expansion would be most effective; Implementation Plan to be used when funding is available for construction	130,000
2 Engagement/Outreach	Outreach materials, meetings/workshops	15,000



# 11. Sand Creek Flood MAR/Ag MAR Project Phase 2

**\$2,500,000**

Tasks	Deliverables	Estimated Cost
1 Component Administration	Project management, invoices, and grant reporting	40,000
2 Environmental Documentation	Applicable CEQA documentation	50,000
3 Design Plans and Specifications, Permitting, Environmental	Applicable permits; Topographic survey; 50% and 100% Design Plans	275,000
4 Construction/Implementation Activities	Bid documents; Photo documentation of construction activities	2,075,000
5 Monitoring/Assessment	Groundwater level data near site; data organized for future post-performance report	40,000
6 Engagement/Outreach	Communication materials	20,000



## 12. Well Permitting Ordinance

**\$137,500**

Tasks	Deliverables	Estimated Cost
1 Prepare Final Ordinance and Adopt	Recommendations of policies to update in the ordinance; Analysis to create policy framework; draft new well ordinance for public comment; Final ordinance for adoption	112,500
2 Engagement/Outreach	Outreach materials, meetings/workshops	25,000



# 13. Groundwater Recharge Feasibility Analysis and Site Evaluation

**\$2,670,000**

Tasks	Deliverables	Estimated Cost
1 Grant Administration	Project management, invoices, and grant reporting	90,000
2 Feasibility Analysis and Project Identification	Feasibility Report; Project Prioritization List	100,000
3 Groundwater Recharge Investigation and Preliminary Design and Environmental	Groundwater Recharge Investigation Report; Preliminary Design Report; Applicable permits and CEQA documentation	400,000
4 Final Design	Topographic survey; Geotechnical investigation; 50% and 100% Design plans	150,000
5 Construction/Implementation Activities	Bid documents; Project Completion Reports; Photo documentation of construction activities	1,850,000
6 Public Outreach and Education Program	Meeting presentations/handouts	80,000



# Alternative Package of Components

The following are new or changed Components compared to the SHAC recommended Components.

Components that are the same in both packages are not repeated.



Component Descriptions



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# 1. Monitoring Network Enhancements to Address Data Gaps

**\$2,080,000**

Tasks	Deliverables	Estimated Cost
1 Installation and Additional Monitoring Wells and Stream Gauges	Installation of up to 10 shallow wells; up to 5 multi-completion wells; monitoring equipment in up to 25 private wells monitoring sites; up to 10 stream gauges	1,300,000
2 Mapping the GDE (in space and changes over time) utilizing CSU Chico Staff	Tech Memo summarizing methods and results of refined GDE mapping	50,000
3 Database of Domestic Wells in the Subbasin <sup>1</sup>	Domestic well dataset with construction details; installation of monitoring equipment; create/maintain database; outreach materials/presentations	330,000
4 Domestic Well Mitigation Approach	Final Report (to include identification of dry and high-risk wells; predictive model of where future high-risk wells likely to occur; policy framework of eligible users of mitigation funding support; and funding strategy)	100,000
5 Update and Maintain Data Management System	Functional DMS; DMS documentation and training materials; outreach activities/materials	250,000
6 Engagement/Outreach	Meeting agendas/presentations/materials	30,000
7 Inter-basin Coordination	Meeting agendas/summaries for coordination with neighboring subbasins	20,000

<sup>1</sup> Previously called "Community Monitoring- Domestic Well Survey"

# 6. Agricultural Best Management Practices for Water Use Efficiency and Alternative Supply

**\$3,450,000**

Tasks	Deliverables	Estimated Cost
1 Component administration and management	Project management, invoices, and grant reporting	200,000
2 Agricultural Irrigation Efficiency	Tech Memo of Precision Irrigation Pilot Program (includes field-scale ground-based inventory of irrigation methods, crops, and water sources for Vina SB)	250,000
3 Feasibility Study of Extend Orchard Replacement Program	Tech Memo describing the pilot program (define incentive amounts, potential water savings)	250,000
4 Agricultural Surface Water Supplies Evaluation and Preliminary Design	Tech Memo of initial project screening and project identification; 30% Design for each of 3 project feasibility analyses; 3 feasibility reports (including cost-benefit analysis)	2,500,000
5 Stakeholder engagement, education, and outreach	Outreach materials, meetings/workshops; Project working groups	250,000



## Option 3 Received as public comment

### Staff has the following recommendations for the Boards' consideration

1. Add at least \$200K of Grant Admin
2. Rename #1, and add task: \$40K for Component Admin
3. Combine #2 and #3 into a \$500K Component: Monitoring Network Enhancements to Address Data Gaps
4. For #4, add task: \$30K for Component Admin
5. In #6, add Outreach and Education task at \$30K-50K to strengthen the Component

Option 3, Table A – Recommended Projects / Components and Order of Priority

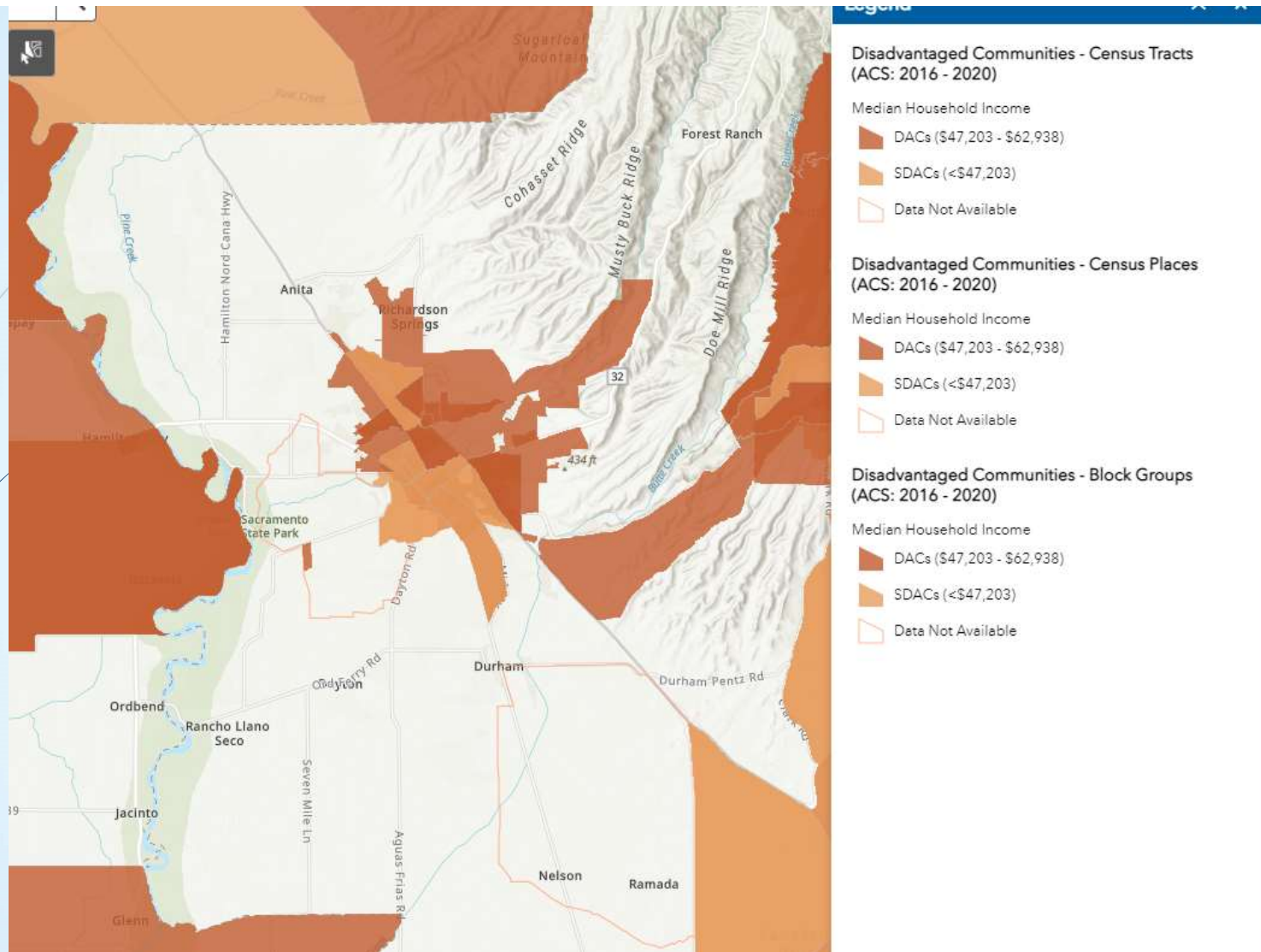
Rank	Reference	Description	New Amount	Cumulative
<b>1</b>	<b>4</b>	<b>Total: ISW / Interbasin / Associated Impacts on GDEs</b>	<b>\$ 450,000</b>	<b>\$ 450,000</b>
	4.2	Gather and Evaluate Data	\$ 200,000	
	6.2	Conducting Joint Analysis and Evaluation of GSPs	\$ 200,000	
	7.3	Update Butte County Groundwater Model	\$ 50,000	
<b>2</b>	<b>5</b>	<b>Total: Phase 1 Monitoring Network Enhancements</b>	<b>\$ 400,000</b>	<b>\$ 850,000</b>
	5.2	Installation of Multi-Completion Monitoring Wells	\$ 250,000	
	5.3	Installation of Shallow GW Monitoring Devices	\$ 100,000	
	5.4	Installation of Surface Water Stream Gauges	\$ 50,000	
<b>3</b>	<b>3</b>	<b>Total: Community Monitoring: Domestic Well Survey</b>	<b>\$ 100,000</b>	<b>\$ 950,000</b>
	3.1	Perform Well Records Survey	\$ 15,000	
	3.2	Verify Well Use/Status	\$ 10,000	
	3.3	Perform Well Video Surveys	\$ 40,000	
	3.4	Create/Maintain Dry Well Database	\$ 10,000	
	3.5	Engagement/Outreach to Monitoring Participants	\$ 7,500	
	3.6	Equip Wells / Well Owner Monitoring Education	\$ 7,500	
	3.7	Develop Community Database System	\$ 10,000	
<b>4</b>	<b>16</b>	<b>Total: Lindo Channel</b>	<b>\$ 350,000</b>	<b>\$ 1,300,000</b>
	16.1	Refine Scope and Design Project	\$ 300,000	
	16.2	Implementation	\$ 50,000	
<b>5</b>	<b>15</b>	<b>Total: Phase 1 GW Recharge Feas. Analysis &amp; Site Eval.</b>	<b>\$ 600,000</b>	<b>\$ 1,900,000</b>
	15.1	Grant Administration	\$ 15,000	
	15.2	Feasibility Analysis & Project Identification	\$ 150,000	
	15.2a	Legal Implications	\$ 125,000	
	15.3	Groundwater Recharge Investigation & Preliminary Design	\$ 310,000	
<b>6</b>	<b>1</b>	<b>Total: GSP Implementation &amp; Compliance Activities</b>	<b>\$ 660,000</b>	<b>\$ 2,560,000</b>
	1.1	GSP Annual Report Development	\$ 160,000	
	1.2	GSP Updates & Responses to DWR Comments	\$ 100,000	
	1.3	GSP 5-year Evaluation Report	\$ 300,000	
	7.1	Fee Study for Long Term Financing of the Vina GSA	\$ 100,000	
<b>7</b>	<b>8</b>	<b>Total: Agricultural Surface Water Supplies</b>	<b>\$ 275,000</b>	<b>\$ 2,835,000</b>
	8.1	Component administration & management	\$ 25,000	
	8.2	Develop projects & perform initial screening	\$ 125,000	
	8.3	Perform and document 5 project feasibility analyses	\$ 125,000	
<b>8</b>	<b>10</b>	<b>Total: Extend Orchard Replacement</b>	<b>\$ 1,500,000</b>	<b>\$ 4,335,000</b>
	10.1	Component administration and management	\$ 50,000	
	10.2	Develop extend orchard replacement pilot program	\$ 150,000	
	10.3	Implement extend orchard replacement pilot program	\$ 1,200,000	
	10.4	Stakeholder engagement, education and outreach	\$ 100,000	
<b>9</b>	<b>9</b>	<b>Total: Agricultural Irrigation Efficiency</b>	<b>\$ 1,000,000</b>	<b>\$ 5,335,000</b>
	9.1	Component administration and management	\$ 100,000	
	9.2	Develop precision irrigation piloting program	\$ 150,000	
	9.3	Implement precision irrigation pilot program	\$ 500,000	
	9.4	Analyze results of precision irrigation pilot program	\$ 150,000	
	9.5	Stakeholder engagement, education, and outreach	\$ 100,000	



## Backup Slides

#	Project	Funding Sources	Notes
1	GSP Implementation, Outreach, and Compliance Activities	Local	
2	Data Management System	Local	
3	Community Monitoring: Domestic Well Survey	Drought Funding, TSS	
4	Interconnected Surface Water (ISW)/Associated Impacts on Groundwater Dependent Ecosystems	Local	
5	Monitoring Network Enhancements	TSS, Local	
6	Inter-basin Coordination Activities	FSS, Local	
7	Project and Management Action Implementation	Local	
8	Agricultural Surface Water Supplies	USBR WaterSmart?, NRCS	USBR not applicable to feasibility study
9	Agricultural Irrigation Efficiency	RCD/NRCS, USBR WaterSmart	NRCS could help on farm implementation
10	Extend Orchard Replacement	Possible DWR Program	
11	Domestic Well Mitigation	Drought Funding	
12	Well Permitting Ordinance	Local	
13	Expansion of Water Purveyors' Service Area	Drought, State Board	
14	Sand Creek Flood MAR/Ag MAR Project Phase 2	Local	
15	Groundwater Recharge Feasibility Analysis and Site Evaluation	Local	
16	Lindo Channel Surface Water Recharge Implementation	Local	
17	Recycled Wastewater Feasibility Study	Other money	

FSS- DWR Facilitation Support Services  
RCD- Resource Conservation District  
TSS- DWR Technical Support Services  
USBR- United States Bureau of Reclamation  
Local- through fees such as a Prop 218/Prop 26



➡ [DAC Mapping Tool \(ca.gov\)](https://www.ca.gov/dac)