

Project Information Form (PIF)

A. PROJECT INFORMATION

1. Project Title:	Master Water Report and Information System
2. Project Sponsor(s):	San Luis Obispo County Flood Control and Water Conservation District
3. Eligible Applicant Type:	Public Agency ▼
4. IRWM Project Region(s):	San Luis Obispo County

- 5. Does the project provide benefits directly to a Disadvantaged Communities (DAC) and/or Economically Distressed Areas (EDA) (minimum 75% by population or geography)?
 Yes No If yes, please complete D.8 and/or D.9. Show on map if applicable.
- 6. Is the Project Sponsor a Tribe, or does the project provide benefits to a Tribe (minimum 75% by population or geography) as defined by Proposition 1?
 Yes No If yes, please complete D.10. Show on map if applicable.
- 7. Provide project map. Include location of project, project benefit and/or service area, and other applicable information.
- 8. Funding Category:
 DAC Implementation Project
 General Implementation Project
- 9. Project Type: ▼ Other:

Select most applicable project type. See Section II.C. of the 2019 Guidelines for full description of eligible project types. If "Other" is selected, please write in the space provided the proposed project type.

B. SELECTED ELIGIBILITY REQUIREMENTS

- 1. Will the project be included in the IRWM Plan, that will be adopted prior to anticipated Agreement Execution?
 Yes No
- 2. Does the project address a critical need(s) and/or priority(ies) of the IRWM Region as identified in the IRWM Plan?
 Yes No If yes, complete part a:
a. What IRWM Plan goal(s)/objective(s) does the project address? Identify and explain.

The Project meets a number of Water Supply, Ecosystem and Watershed, Groundwater, and Water Resources Management goals, including:
Maximize Accesibility of water, Adequate Water Supply, Develop/Implement Water Management Plans, Conservation/Water Use Efficiency, Pan for Climate CHange Vulnerabilities of Water Supply, Conserve Balance of Ecosystem, Understand Groundwater Issues and Conditions, Support Local Groundwater Management, Public Outreach on IRWM Implementation, Support Local Control, Agency Alignment on Water Resources Efforts, and Collaboration between Urban, Rural and Ag.

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3. Does the project have an expected useful life consistent with Government Code §16727 (generally 15 years)? If not, explain why this requirement is not applicable.

Yes, the project is expected to be in use for at least 15 years.

4. Does the project address and/or adapt to the effects of climate change? Does the project address the climate change vulnerabilities assessed in the IRWM Plan?

Yes No If yes, please explain below.

Yes, the project addresses multiple climate change vulnerabilities assessed in the IRWM plan, including: Drought Sensitive Water Systems, Water Supply from Coastal Aquifers, Inability to store carryover supply surpluses, coastal infrastructure in low-lying areas, and aging flood protection infrastructure.

5. Does the project contribute to regional water self-reliance?

Yes No If yes, please explain below.

Absolutely. This Data and Information Management System will allow the District to track, project and scenario plan for water supply and demand volumes, trends, issues and projects. These issues and projects include State Water (contract extension, water management tools, etc.), possible expansion of our local storage (reservoirs), planning of new regional water supplies (i.e. desal), and more.

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6. Does the project provide a benefit that meets at least one of the Statewide Priorities as defined in the 2019 IRWM Grant Program Guidelines?

Yes No If yes, please identify below.

2. Increase Regional Self-Reliance and Integrated Water Management Across All Levels of Government 

7. Will CEQA be completed within 12 months of Final Award?

- Yes
- NA, project is exempt under CEQA
- NA, not a project under CEQA
- NA, project benefits DAC/EDA/Tribe (minimum 75%), or a Tribe is a local project sponsor
- No

8. Will all permits necessary to begin construction be acquired within 12 months of Final Award?

- Yes
- NA, project benefits DAC/EDA/Tribe (minimum 75%), or a Tribe is a local project sponsor
- No

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C. WORK PLAN, BUDGET, and SCHEDULE SUMMARY

1. Project Description: Provide a brief project description summarizing major components, objectives, goals, and intended outcomes/benefits (quantitative and qualitative).

The Public Works Department, in coordination with the Planning Department, is developing a tool to improve the District’s and County’s approach to the collection, storage, analysis and reporting of data and information needed for water-related planning efforts. This Decision Support Tool will facilitate a comprehensive update to the Master Water Report (MWR), which includes integrating a recently completed Regional Water Infrastructure Resiliency Plan. This project would develop the data and information management and reporting tools needed to facilitate this and future updates to the MWR as well as other analysis needs, such as the capacity of a particular area to accommodate housing and accessory dwelling units.

This Master Water Report and Information Management System Development Project (Project) has the following goals:

- Create a system, with web and GIS based elements, to automate tracking and reporting of information and data needed to analyze current and future water supply and demand, and report conditions and activities, to be hosted and managed by the District
- Track water supply, conservation, recycled water and other water-related projects and programs throughout District
- Provide most up-to-date data and analysis of current and future water supply and demand balances to inform decision-makers and the public
- Generate bi-annual countywide water resources reports
- Generate incidental water snapshot reports for specific agency or areas in SLO County as needed.
- Data and reports to be scalable via multiple scales, i.e. Countywide, Water Planning Areas (6), Watersheds (up to 25), etc.
- Convert the Master Water Report to a “living document”

Project Components include: Project Management, Stakeholder Engagement, Data and Information Audit, Data and Information Management System Alternatives Analysis and Selection, Develop Data and Information Management System, Develop Reporting Tools, Update the Master Water Report, including an Operations Model.

2. Budget: Provide cost estimates for each Budget Category listed in the table below. (Required for Pre-Application Material Submittal; not required for Final Application Submittal)

Table 1 - Project Budget					
Category		(a)	(b)	(c)	(d)
		Cost Share: Non-State Fund Source	Requested Grant Amount	Other Cost Share (including other State Sources)	Total Cost
(a)	Project Administration	15,000	0	0	15,000
(b)	Land Purchase/Easement	0	0	0	0
(c)	Planning/Design/Engineering/Environmental Documentation	0	0	0	0
(d)	Construction/Implementation	881,364	550,000	280,003	1,711,367
(e)	Grand Total (Sum rows (a) through (d) for each	896,364	550,000	280,003	1,726,367

Note: Provide information or other documentation to support the cost estimate in a separate attachment. Identify the source of all cost share and other funds. If other funds are not used, describe efforts to obtain other funding and/or why other funding sources were not used.

Project currently has approved District funds of \$250,000 for consultant costs, approved staff time for project management, and Regional Early Action Planning (REAP) grant for \$283,003. County staff expects the remaining finances to be completed with BOS approval in Summer 2022.

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3. Cost Share Waiver Requested (DAC or EDA)? Yes No If yes, continue below:

Cost Share Waiver Justification: Describe what percentage of the proposed project area encompasses a DAC/EDA, how the community meets the definition of a DAC/EDA, and the need of the DAC/EDA that the project addresses. In order to receive a cost share waiver, the applicant must demonstrate that the project will provide benefits (minimum 25% by population or geography) that address a need of a DAC and/or EDA.

<Approximately 250 words>

4. Schedule: Include reasonable estimates of the start and end dates for each Budget Category listed in Table 1 - Project Budget. (Required for Pre-Application Material Submittal; not required for Final Application Submittal)

Table 2 - Project Schedule		
Category	(a) Start Date	(b) End Date
(a) Direct Project Administration	11/1/2021	6/30/2025
(b) Land Purchase/Easement	n/a	n/a
(c) Planning/Design/Engineering/Environmental Documentation	n/a	n/a
(d) Construction/Implementation	6/8/2022	3/31/2025

D. OTHER PROJECT INFORMATION

1. Provide a narrative for project justification. If applicable, include references to supporting documentation such as models, studies, engineering reports, etc. Include any other information that supports the justification for this

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project, including how the project can achieve the claimed level of benefits.

The District’s role is to provide periodic updates regarding water supply conditions throughout the County. This includes a land-use based analysis of current and future projected demand for water, an analysis of the supplies available to meet demands, identification of deficiencies and identification of strategies to address the deficiencies. The results are shared via the production of a Countywide Master Water Report (MWR), which is organized by Water Planning Area (WPA) . This information is then integrated into our region’s Integrated Regional Water Management (IRWM) Plan. The County uses the information from the MWR and IRWM Plan to make land use decisions via its Resource Management System, Community Plans and other processes.

The data and information that the District needs to fulfill its role (e.g. land use data, demand data, production data, water duty factors, etc.) is currently sourced from a variety of locations and systems, and stored in a variety of locations and systems. The same data and information is used by a variety of entities in the County to conduct specific analysis and/or develop specific reports (e.g. EIRs, Urban Water Management Plans, Resource Capacity Studies, Sphere of Influence reviews, Regional Housing Needs Allocation Plans, Groundwater Management Reports, etc.). Data and information generated by these efforts would also benefit the District and County when it is needed for planning updates and to facilitate consistency when appropriate.

County staff from the Public Works and Planning Departments pursued grant funding to help offset the cost of developing a tool to improve the District’s and County’s approach to the collection, storage, analysis and reporting of data and information needed for water-related planning efforts. Staff from the Public Works Department is leading this project because a comprehensive update to the Master Water Report is also needed that will also integrate a recently completed Regional Water Infrastructure Resiliency Plan. This project would develop the data and information management and reporting tools needed to facilitate this and future updates to the MWR as well as other analysis needs, such as the capacity of a particular area to accommodate housing and accessory dwelling units.

Reference documents include: 2012 Master Water Report, 2019 IRWM Plan, Final Draft of the Regional Water Infrastructure Resiliency Plan. Available at slocounty.ca.gov/water

The tool intends to meet these outcomes by reporting / providing the following outputs, which will be able to be updated as additional data is provided over time: Supply and Demand Tables, at various scales; Countywide Precipitation reports; Monthly Rain and Reservoir Report; Specific Area reports (i.e. County Planning / Land-use Areas) ; Project tracking (Water Supply / Recycled Water / Interties / Etc.); Annual or bi-annual reports ; Incidental agency / watershed / subarea report; Watershed / Drainage tracking and reporting; Wastewater tracking and reporting; Recycled Water tracking and reporting; Drought Reports; Groundwater Basin and Watershed computer model updates/data needs;

2. Project Benefits Table:

Table 3 - Project Benefits			
Anticipated Useful Life of Project (years):	20		
Primary (Required)			
Type of Benefit Claimed:	Water Supply Reliability	Benefit Units*:	Other
Secondary (Optional)			
Type of Benefit Claimed:	Operational Efficiency	Benefit Units*:	Other

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Physical Benefits (At project completion or lifetime, as appropriate)		
(a)	(b)	(c)
Benefit	Added Physical Benefit Description	Quantitative Benefit
Primary	<15 words maximum>	
Secondary	<15 words maximum>	
Qualitative Benefits (For Decision Support Tools, please describe non-physical benefits.)		
<p>The benefits of this project are best grouped into "Water Supply Reliability" and "Operational Efficiency". The primary goal of this project is create a data and information system to ensure water supply reliability for all of San Luis Obispo County. As our water sources and systems are more and more interconnected, a deeper and more dynamic water data system is needed. To combat effects of supply constraints to changes in rainfall and runoff, State Water allocations, groundwater basin management and more, the County, purveyors, agencies and other stakeholders need to understand how our supplies are connected, affected by various decisions and how we are trending with supply, demand, recycled water use, and more (outputs of this system are listed in the last paragraph of D.1).</p>		
Comments: [Include narrative on additional benefits, as warranted.]		

- * DWR may require applicant to convert or modify Benefit Claimed and/or Benefit Units. Where applicable, select one of the following units that corresponds to the benefit claimed:
 - For water supply produced, saved, or recycled, enter acre-feet per year (AFY)
 - For water quality, enter constituent concentration reduced in mg/L
 - For flood damage reduction, enter inundated acres reduced in acres
 - For habitat improved, restored or protected, enter habitat restored in acres
 - For fishery benefits, enter increased fishery flow rate in cubic feet per second (cfs)
 - For species protection, enter number of species benefited

3. Does the proposed project provide benefits to multiple IRWM regions [or funding areas]? If the project is located in another funding area, please provide the information requested in the 2019 Guidelines, Section 1.A.

Yes No If yes, provide a description of the benefits to the various regions.

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4. Provide a narrative on cost considerations. For example, were other alternatives to achieve the same types and amounts of physical benefits as the proposed project evaluated? Provide a justification as to why the project was selected (e.g., if the proposed project is not the lowest cost alternative, why is it the preferred alternative? Are there any other advantages that the proposed project provides from a cost perspective?)

This project was selected over developing another static, point-in-time report. For a similar cost, we are getting a system that will allow for updates and changes to water supply and demand as things evolve and change in the future. A static document is not able to provide this. The chosen solution will also be able to be hosted on-site and maintained by County staff, which will save costs in the long run since annual contracts will not be required with third party(s) to maintain and operate the system.

5. a. Does the project address a contaminant listed in AB 1249?

Yes No If yes, complete parts b and c:

- b. Describe how the project helps address the contamination.

<Nitrate, Arsenic, Perchlorate, or Hexvalent Chromium>

- c. Does the project provide safe drinking water to a small disadvantaged community?

Yes No If yes, provide an explanation on how the project benefits a small disadvantaged community as defined in the 2019 IRWM Guidelines.

<DAC with population less than 10,000 persons>

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6. Does the project provide safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes (consistent with AB 685) to meet a specific need(s) of a community?

Yes No If yes, please describe.

7. Does the project employ new or innovative technologies or practices, including decision support tools that support the integration of multiple jurisdictions, including, but not limited to, water supply, flood control, land use, and sanitation?

Yes No If yes, please describe.

This decision support tool will be unique to and created specifically for San Luis Obispo County and will absolutely integrate water supply, groundwater, recycled water and more from cities, CSD's, GSA's, the State, and more. We have worked closely with our land use agency partners (County Plannign and Building, Local Agency Formation Commission, and more) to ensure the scope and reporting of this tool will meet their planning and water-based-decision needs.

8. If the project provides benefits (75% by population or geography) to a DAC, explain the need of the DAC and how the project will address the described need. Explain how the area/community meets the definition of a DAC.

n/a

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9. If the project provides benefits (75% by population or geography) to an EDA, explain the need of the EDA and how the project will address the described need. Explain how the area/community meets the definition of an EDA.

n/a

10. If the project provides benefits (75% by population or geography) to a Tribe or a Tribe is the sponsor of the project, explain the need of the Tribe and how the project will address the described need.

n/a

11. Does the project sponsor have legal access rights, easements, or other access capabilities to the property to implement the project?

- Yes If yes, please describe.
 NA If NA, please describe why physical access to a property is not needed.
 No If no, please provide a clear and concise narrative with a schedule to obtain necessary access.

Being a decision support tool, the project does not have property easement/acquisition needs.

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E. ENVIRONMENTAL

1. Please fill out the CEQA Timeline Table below, if applicable:

Table 4 - CEQA Timeline		
CEQA STEP	COMPLETE? (y/n)	ESTIMATED DATE TO COMPLETE
Initial Study		
Notice of Preparation		
Draft EIR/MND/ND		
Public Review		
Final EIR/MND/ND		
Adoption of Final EIR/MND/ND		
Notice of Determination		

a. If additional explanation or justification of the timeline is needed, please describe below (optional).

CEQA n/a for this project.

2. Permit Acquisition Plan:

List all permits needed to complete the project. If the project does not provide benefits to a DAC, EDA, or Tribe (min 75%), all permits needed to begin construction must be acquired within 12 months of Final Award.

No.	Type of Permit	Permitting Agency	Date Acquired or Anticipated
1.	No permits necessary.		
2.			
3.			
4.			
5.			
6.			
n.			

For each permit not yet acquired, describe the following:

No.	a. Actions taken to date (include dates of any key meetings, consultations, submittals, etc.)	b. Any issues or obstacles that may delay acquisition of permit
1.		
2.		
3.		
4.		
5.		
n.		

3. Permitting Checklist: This checklist is provided as a courtesy for documentation purposes. Not all permits which may apply are listed. (Required for Pre-Application Material Submittal; not required for Final Application Submittal)

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a. Does the project involve any activities that may affect federally or state listed threatened or endangered species or their critical habitat that are known, or have a potential, to occur on-site, in the surrounding area, or in the service area? (i.e. Federal Endangered Species Act Section 7 Consultation and Incidental Take Authorization and Section 10 Incidental Take Permit, California Endangered Species Act Permit, and/or ESA & CESA Consistency Determination)

Yes No

If yes, please explain:

b. Would the proposed project work in, over, or under navigable waters of the US or discharge dredged or fill material in waters of the US? (i.e. Rivers & Harbors Act Section 10 Permit and/or Clean Water Act Section 404 Permit)

Yes No

If yes, please explain:

c. Will the proposed project have the potential to affect historical, archaeological, or cultural resources? (i.e. National Historic Preservation Act and/or State Historic Preservation Officer Consultation)

Yes No

If yes, please explain:

d. Will the proposed project discharge into a water of the US? (i.e. Clean Water Act Section 401 and/or 404 Permit)

Yes No

If yes, please explain:

e. Will the proposed project divert the natural flow of a river, stream, or lake? (i.e. Lake or Streambed Alteration Agreement)

Yes No

If yes, please explain:

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f. Will the proposed project change the bed, channel, or bank of a river, stream, or lake? (i.e. Lake or Streambed Alteration Agreement)

Yes No If yes, please explain:

g. Will the proposed project use any material from the bed, channel, or bank of a river, stream, or lake? (i.e. Lake or Streambed Alteration Agreement)

Yes No If yes, please explain:

h. Will the proposed project deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it can pass into a river, stream, or lake? (i.e. Lake or Streambed Alteration Agreement)

Yes No If yes, please explain:

i. For water supply projects, do you need to obtain a water right? (Water Rights Permit)

Yes No If yes, please explain:

j. Is the proposed project within the defined coastal zone? (Coastal Development Permit)

Yes No If yes, please explain: