



Project Information Form

The Westside Region is accepting suggestions for projects for inclusion in the Westside Integrated Regional Water Management (IRWM) Plan. Projects submitted for consideration should contribute to the attainment of the IRWM Plan Goals and Objectives. To have your project considered for inclusion, please complete this project information form in its entirety and submit the completed form to info@westsideirwm.com.

Please provide information in the tables below:

I. Project Proponent Information

Lead Agency/ Organization	
Name of Primary Contact	
Mailing Address	
E-mail	
Phone (###)###-####	
Other Cooperating Agencies/Organizations	
Is your agency committed to the project through completion? If not, please explain	

II. General Project Information

Project Title	
Project Description (Briefly describe the project, in 300 words or less.)	

Project Location:	
Latitude:	
Longitude:	
Can you provide a map of the project location including boundaries upon request?	<input type="checkbox"/> Yes <input type="checkbox"/> N/A <input type="checkbox"/> No
Project Location Description:	
County:	
City/Community:	
Watershed:	
Groundwater Basin:	
Planning Area:	
Additional Comments:	
Project Status (Check only one)	<input type="checkbox"/> Conceptual <input type="checkbox"/> Planning <input type="checkbox"/> CEQA/NEPA <input type="checkbox"/> Permitting <input type="checkbox"/> Design <input type="checkbox"/> Construction/Implementation <input type="checkbox"/> Study/Other <input type="checkbox"/> Maintenance/Monitoring
Earliest expected start date (mm/dd/yr)	

III. Plan Goals/Objectives Addressed

For each of the goals/objectives addressed by the project, provide a one to two sentence description of how the project contributes to attaining the objective. Information related to the proposed goals and objectives can be found at www.westsideirw.com/irwmplan. If the project does not address any of the draft IRWM plan objectives, provide a one to two sentence description of how the project relates to a challenge or opportunity of the region.

Goal(s) that the Project will contribute to:	
Objective(s) that the Project will help accomplish:	

<p>Explanation of Project linkage to goals and objectives</p>	
<p>How will the project be measured to ensure the goals and objectives are being fulfilled?</p>	

IV. Resource Management Strategies

For each resource management strategy employed by the project, provide a one to two sentence description in the table below of how the project incorporates the strategy. A description of the Resource Management Strategies can be found in Volume 2 of the 2009 California Water Plan here: <http://www.waterplan.water.ca.gov/cwpu2009/index.cfm>

Reduce Water Demand	
Agricultural Water Use Efficiency	
Urban Water Use Efficiency	
Improve Operational Efficiency and Transfers	
Conveyance - Delta	
Conveyance - Regional / local	
System Reoperation	
Water Transfers	
Increase Water Supply	
Conjunctive Management & Groundwater	
Desalination	
Precipitation Enhancement	
Recycled Municipal Water	
Surface Storage -- CALFED	
Surface Storage -- Regional / Local	

Improve Water Quality	
Drinking Water Treatment and Distribution	
Groundwater and Aquifer Remediation	
Matching Water Quality to Use	
Pollution Prevention	
Salt and Salinity Management	
Urban Runoff Management	
Practice Resources Stewardship	
Agricultural Lands Stewardship	
Economic Incentives (Loans, Grants, and Water Pricing)	
Ecosystem Restoration	
Forest Management	
Land Use Planning and Management	
Recharge Areas Protection	
Water-dependent Recreation	
Watershed Management	
Improve Flood Management	
Flood Risk Management	

V. Project Impacts and Benefits

Please select all the project benefit categories that apply and provide a brief explanation. If the project benefits do not fit any of the listed categories, please explain in the box below. Suggested benefit descriptions are included in the Project Information Form instructions sheet.

Benefit Categories:		Brief Explanation of Selected Benefits	Quantification (e.g. acre-feet of water supplied, acres of habitat restored)
Increase Water Supply			
Improve Water Quality			
Groundwater Improvements			
Water Conservation and Reuse	<input type="checkbox"/>		

Watershed Rehabilitation	<input type="checkbox"/>		
Habitat Improvements	<input type="checkbox"/>		
Flood Management	<input type="checkbox"/>		

Other Benefits:

Please provide a summary of the expected project benefits and impacts in the table below.

a. Describe any expected impacts of the project	
b. If applicable, describe benefits or impacts of the project with respect to Native American Tribal Community considerations.	
c. If applicable, describe benefits or impacts of the project with respect to Disadvantaged Communities*.	
d. If applicable, describe benefits or impacts of the project with respect to Environmental Justice ** considerations.	

<p>e. If applicable, describe how the project assists the region in adapting to effects of climate change.</p>	
<p>f. If applicable, describe the generation or reduction of greenhouse gas emissions associated with the project.</p>	

*A Disadvantaged Community is defined as a community with an annual median household (MHI) income that is less than 80 percent of the Statewide annual MHI. A map identifying DACs in the Westside Region is available at www.westsideirwm.com.

** Environmental Justice is defined as the fair treatment of people of all races, cultures, and incomes with respect to the development, adoption, implementation and enforcement of environmental laws, regulations and policies.

VI. Statewide Program Preferences and Priorities

Please select the Program Preferences and Statewide Priorities that apply to the proposed project (choose all that apply).

Program Preferences

- Include regional projects or programs (CWC §10544)
- Effectively integrate water management programs and projects within a hydrologic region identified in the California Water Plan; the Regional Water Quality Control Board (RWQCB) region or subdivision; or other region or sub-region specifically identified by DWR
- Effectively resolve significant water-related conflicts within or between regions
- Contribute to attainment of one or more of the objectives of the CALFED Bay-Delta Program
- Address critical water supply or water quality needs of disadvantaged communities within the region
- Effectively integrate water management with land use planning
- For eligible SWFM funding, projects which: a) are not receiving State funding for flood control or flood prevention projects pursuant to PRC §5096.824 or §75034 or b) provide multiple benefits, including, but not limited to, water quality improvements, ecosystem benefits, reduction of instream erosion and sedimentation, and groundwater recharge.

Statewide Priorities

Drought Preparedness

- Promote water conservation, conjunctive use, reuse and recycling
- Improve landscape and agricultural irrigation efficiencies
- Achieve long term reduction of water use
- Efficient groundwater basin management
- System inerties

Use and Reuse Water More Efficiently

- Increase urban and agricultural water use efficiency measures such as conservation and recycling
- Capture, store, treat, and use urban stormwater runoff (such as percolation to usable aquifers, underground storage beneath parks, small surface basins, domestic stormwater capture systems, or the creation of catch basins or sumps downhill of development)
- Incorporate and implement low impact development (LID) design features, techniques, and practices to reduce or eliminate stormwater runoff

Climate Change Response Actions

- Adaptation to Climate Change: Advance and expand conjunctive management of multiple water supply sources
- Adaptation to Climate Change: Use and reuse water more efficiently
- Adaptation to Climate Change: Water management system modifications that address anticipated climate
 - Adaptation to Climate Change: Establish migration corridors, re-establish river-floodplain hydrologic continuity, re-introduce anadromous fish populations to upper watersheds, enhance and protect upper watershed forests and meadow systems
- Reduction of Greenhouse Gas (GHG) Emissions: Reduce energy consumption of water systems and uses
- Reduction of Greenhouse Gas (GHG) Emissions: Use cleaner energy sources to move and treat water
- Reduce Energy Consumption: Water use efficiency
- Reduce Energy Consumption: Water recycling
- Reduce Energy Consumption: Water system energy efficiency

Expand Environmental Stewardship

- Expand Environmental Stewardship to protect and enhance the environment by improving watershed, floodplain, and instream functions and to sustain water and flood management

ecosystems.

Practice Integrated Flood Management

- Better emergency preparedness and response
- Improved flood protection
- More sustainable flood and water management systems
- Enhanced floodplain ecosystems
- LID techniques that store and infiltrate runoff while protecting groundwater

Protect Surface Water and Groundwater Quality

- Protecting and restoring surface water and groundwater quality to safeguard public and environmental health and secure water supplies for beneficial uses
- Salt/nutrient management planning as a components of an IRWM Plan

Improve Tribal Water and Natural Resources

- Improve Tribal Water and Natural Resources and include the development of Tribal consultation, collaboration, and access to funding for water programs.

Ensure Equitable Distribution of Benefits

- Increase the participation of small and disadvantaged communities in the IRWM process.
- Develop multi-benefit projects with consideration of affected disadvantaged communities and vulnerable populations.
- Contain projects that address safe drinking water and wastewater treatment needs of DACs.
- Address critical water supply or water quality needs of California Native American Tribes within the region.

VII. Project Cost and Financing

Please provide any estimates of project cost, sources of funding, and operation and maintenance costs as well as the source of the project cost in the table below.

a. Project Costs		
1. Capital (2014 Dollars)		
2. Annual Operations and Maintenance (O&M)		
b. List secured source(s) of funding	Source(s)	Amount

c. List proposed source(s) of funding and certainty of the sources.		
d. For capital projects, explain how operation and maintenance costs will be financed.		
e. Basis for project cost		
f. Can a detailed cost estimate be provided upon request?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

VIII. Project Status and Schedule

Please provide a status of the project, level of completion as well as a description of the activities planned for each project stage.

Project Stage	Description of Activities in Each Project Stage	Planned/Actual Start Date	Planned/Actual Completion Date
a. Conceptual			
b. Planning			
c. Environmental Documentation (CEQA/NEPA)			
d. Permitting			
e. Tribal Consultation			
f. Design			
g. Construction/Implementation			

IX. Project Technical Feasibility

Please provide any related documents (date, title, author, and page numbers) that describe and confirm the technical feasibility of the project.

a. List water planning documents that specifically identify this project.	
b. List the adopted planning documents the proposed project is consistent with (e.g. General Plans, UWMPs, GWMPs, Water Master Plans, Habitat Conservation Plans, etc.)	
c. List technical reports and studies supporting the feasibility of this project.	
d. If you are an Urban Water Supplier:	
1. Have you completed an Urban Water Management Plan and submitted to DWR?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2. Are you in compliance with AB1420?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3. Do you comply with the water meter requirements (CWC §525)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4. If the answer to any of the questions above is "no", do you intend to comply prior to receiving Project funding	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
e. If you are an Agricultural Water Supplier:	
1. Have you completed and submitted an AWMP (due 12/31/12)?	<input type="checkbox"/> Yes No <input type="checkbox"/> N/A
2. If not, will you complete and submit an AWMP prior to receiving project funding?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
f. If the project is related to groundwater:	
1. Has a GWMP been completed and submitted for the subject basin?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2. If not will a GWMP be completed within 1 year of the grant submittal date?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

Project Information Form **SWRP Projects Addendum**

The Yolo WRA is accepting suggestions for projects for inclusion in the Yolo Storm Water Resource Plan (SWRP). Projects submitted for consideration should contribute to the attainment of the IRWM Plan and SWRP Objectives. To have your project considered for inclusion, please complete this project information form in its entirety and submit the completed form by **July 28, 2017** to **Kristin Sicke (ksicke@ycfcwcd.org)**.

Please provide information below:

I. Has this project been submitted to the Westside IRWMP previously?

Yes Please provide the Project Name as submitted on the Westside Sac IRWMP Project Information Form:

No If you answered no, the Westside Sac IRWMP Project Information Form must be completed and submitted with this form. The form can be downloaded at:

<http://www.westsideirwm.com/Westside%20IRWMP%20Web%20Page/documents/Project/Project%20Update%20Form-09-01-14.pdf>

If you answered yes to the above question, please provide any additional project description/details not provided in the original Westside IRWMP Project Form related to storm water:

II. Land Availability

- | | | | |
|---|-----|----|-----|
| a. Is the project located on lands with Public ownership? | Yes | No | N/A |
| b. Have easements and/or all required land use agreements been obtained or are pending? | Yes | No | N/A |

c. Describe how this project will result in immediate or downstream storm water benefit to Yolo County:

III. SWRP Objectives – In addition to IRWMP Objectives

Please mark (x) the SWRP Objectives that apply to the proposed project (choose all that apply).

Convert paved and/or impervious areas and increase tree canopy and vegetation, reducing urban heat island effects.

Optimize the rural storm water conveyance system to drain and retain storm water flows as necessary. Provide proper rural drainage and keep conveyance systems clear of debris to minimize county road flooding during storm events.

Enable proper rural retention and modify rural landscape to maximize groundwater recharge of excess storm water.

IV. SWRP Guideline Benefit Categories

Please mark (x) all the project benefit categories that apply and provide a brief explanation. Suggested benefit descriptions are included in the SWRP Guidelines Tables 3 and 4.

MAIN BENEFIT(S)

	x	Brief Explanation of Benefit	Quantification (e.g. acre---feet of water supplied, acres of habitat restored)
Water Quality – Increased filtration and/or treatment of runoff			
Water Supply – Water supply reliability			
Water Supply – Conjunctive use			
Flood Management – Decreased flood risk by reducing runoff rate and/or volume			
Environmental – Environmental and habitat protection and improvement			
Environmental – Increased urban green space			
Community – Employment opportunities provided			
Community – Public education			

SECONDARY BENEFIT(S)

	x	Brief Explanation of Benefit	Quantification (e.g. acre---feet of water supplied, acres of habitat restored)
Water Quality – Nonpoint source pollutant control			
Water Quality – Reestablished natural water drainage and treatment			
Water Supply – Water conservation			
Flood Management – Reduced sanitary sewer overflows			
Environmental – Reduced energy use, greenhouse gas emissions, or provides			
Environmental – Reestablishment of the natural hydrograph			
Environmental – Water temperature improvements			
Community – Community involvement			
Community – Enhance and/or create recreational and public use areas			

TABLE 3. BENEFIT METRICS		
Benefit	Example	Metric Unit(s)
Water Quality <i>while contributing to compliance with applicable permit and/or TMDL requirements</i>	Increased filtration and/or treatment of runoff	Pollutant Load Reduction pounds (lbs)/day kilograms (kg)/day milligram/Liter microgram /Liter most probable number of bacteria or indicator organisms (mpn)/mL
	Nonpoint source pollution control	
	Reestablished natural water drainage and treatment	Volume Treated million gallons per day (mgd) acre-feet per year (afy)
Water Supply <i>through groundwater management and/or runoff capture and use¹¹</i>	Water supply reliability	Volume Captured <i>in terms of augmentation/replacement of water supply, or reduced dependence on imported water</i> million gallons per day (mgd) acre-feet per year (afy)
	Water conservation	
	Conjunctive use	Cost dollars per volume per year (of augmented water supply)
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Rate, Volume, and/or Size cubic feet per second (cfs) acre-feet (af) cubic feet (cf) acres or linear feet
	Reduced sanitary sewer overflows	
Environmental	Environmental and habitat protection and improvement, including:	Size and/or Rate acres cubic feet per second (cfs) carbon sequestration (megagrams of carbon per area)
	- wetland enhancement/creation; - riparian enhancement; and/or - instream flow improvement	

¹¹ Groundwater management and/or runoff capture and use also includes “on-farm” flood flow capture and recharge projects located on suitable agricultural lands.

TABLE 3. BENEFIT METRICS		
Benefit	Example	Metric Unit(s)
Environmental <i>(continued)</i>	Increased urban green space	Other ¹² area units of landscape and buffer measure of improved hydrology number of biotic structure number of physical structures reduced temperature (degrees)
	Reduced energy use, greenhouse gas emissions, or provides a carbon sink	
	Reestablishment of the natural hydrograph	
	Water temperature improvements	
Community	Enhanced and/or created recreational and public use areas	Size size of population served number of people number of jobs acres
	Community involvement	
	Employment opportunities provided	

2. Integrated Metrics-Based Analysis

The Storm Water Resource Plan should include an integrated watershed-based and metrics-based analysis demonstrating that the proposed storm water and dry weather runoff capture projects and programs within the watershed will collectively address the Plan’s storm water management objectives and produce the proposed multiple benefits identified per the guidance in Section VI.D. The following guidance provides the minimum level of information to be included in an integrated metrics-based analysis for different types of projects within the watershed.

a. Water Quality Projects Analysis

The Storm Water Resource Plan should include a watershed-based analysis of how existing and proposed projects/programs comply with or are consistent with Total Maximum Daily Loads, applicable NPDES permit and/or waste discharge requirements. The analysis for water quality projects should simulate the proposed watershed-based outcomes using modeling, calculations, pollutant mass balances, water volume balances and/or other methods of analysis that provide the following, as applicable:

¹² California Wetlands Monitoring Workgroup (CWMW). 2013. California Rapid Assessment Method (CRAM) for Wetlands, Version 6.1 pp. 67:

- **Landscape and buffer** metrics includes aquatic area abundance (for bar-built estuaries this includes stream corridor continuity, aquatic area in adjacent landscape, and marine connectivity) and buffer (percent of area with buffer, average buffer width, and buffer condition).
- **Hydrology** metrics includes water source, hydroperiod or channel stability, and hydrologic connectivity.
- **Biotic structure** metrics includes plant community (number of plant layers present or endemic species richness (vernal pools only), number of co-dominant species, and percent invasion), vertical biotic structure, horizontal interspersions, and native plant species richness.
- **Physical structure** metrics includes structural patch richness and topographic complexity.

TABLE 4. STORM WATER MANAGEMENT BENEFITS		
Benefit Category	Main Benefit	Additional Benefit
Water Quality <i>while contributing to compliance with applicable permit and/or TMDL requirements</i>	Increased filtration and/or treatment of runoff	Nonpoint source pollution control
		Reestablished natural water drainage and treatment
Water Supply <i>through groundwater management and/or runoff capture and use</i>	Water supply reliability	Water conservation
	Conjunctive use	
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Reduced sanitary sewer overflows
Environmental	Environmental and habitat protection and improvement, including; - wetland enhancement/creation; - riparian enhancement; and/or - instream flow improvement	Reduced energy use, greenhouse gas emissions, or provides a carbon sink
		Reestablishment of the natural hydrograph
	Increased urban green space	Water temperature improvements
Community	Employment opportunities provided	Community involvement
	Public education	Enhance and/or create recreational and public use areas

E. PLAN IMPLEMENTATION STRATEGY AND SCHEDULING OF PROJECTS

1. Resources for Plan Implementation

A Storm Water Resource Plan should identify the resources that the participating entities are committing for implementation of the Plan. The Plan should include the following items to ensure its effective implementation. (Wat. Code, § 10562, subd. (d)(8).):

- a. Projection of additional funding needs and sources for administration and project implementation needs, above and beyond the needs of the existing storm water management plans and/or integrated regional water management plans; and
- b. Schedule for arranging and securing Plan financing for project implementation, including identification of phased Plan and/or project implementation.