



Handout 4 – Project Information Form **(Instructions and Blank Form)**

Meeting 6

July 9, 2012 – 2 -5 pm

Woodland Senior and Community Center, Woodland
And Webcast

Project Information Form Instructions

Please complete this project information form in its entirety for each project. Projects submitted for consideration shall be received no later than **1 August 2012** to info@westsideirwm.com . The form is intended to be filled out electronically using Adobe Acrobat. Please note comment fields are not limited; text is preserved even if it does not appear on the form.

For questions or assistance in completing the form contact Emmalynne Roy at EmmalynneRoy@kennedyjenks.com or Araceli Cazarez at AraceliCazarez@kennedyjenks.com.

Section I. Project Proponent Information

Please fill in all requested fields.

Section II. General Project Information

- Project Location (Latitude and Longitude) – Can be approximated using Google Earth.
- Project Location Description – Please include as much detail as possible.

Section III. Plan Goals/Objectives Addressed

Information related to the proposed goals and objectives can be found in Meeting #6 Handout 5a/b at www.westsideirwm.com/meetings

Section IV. Resource Management Strategies

A resource management strategy is a project, program, or policy that helps local agencies and governments manage their water and related resources. For example, urban water use efficiency is a strategy to reduce urban water use. A pricing policy or incentive for customers to reduce water use also is a strategy. New water storage to improve water supply, reliability, and quality is another strategy. (See Box 1-1 Resource Management Strategies and Management Objectives for alphabetical listings) (2009 California Water Plan). Further detailed descriptions of the Resource Management



Integrated Regional Water Management Plan

Strategies can be found in Volume 2 of the 2009 California Water Plan here:
<http://www.waterplan.water.ca.gov/cwpu2009/index.cfm>

Box 1-1 Resource Management Strategies and Management Objectives

| Resource Management Strategy | Chapter No. | Management Objective |
|--|-------------|---|
| Agricultural Lands Stewardship | 20 | Practice Resource Stewardship |
| Agricultural Water Use Efficiency | 2 | Reduce Water Demand |
| Conjunctive Management and Groundwater Storage | 8 | Increase Water Supply |
| Conveyance—Delta | 4 | Improve Operational Efficiency and Transfers of Water |
| Conveyance—Regional/local | 5 | Improve Operational Efficiency and Transfers of Water |
| Desalination | 9 | Increase Water Supply |
| Drinking Water Treatment and Distribution | 14 | Improve Water Quality |
| Economic Incentives (Loans, Grants, Water Pricing) | 21 | Practice Resource Stewardship |
| Ecosystem Restoration | 22 | Practice Resource Stewardship |
| Flood Risk Management | 28 | Improve Flood Management |
| Forest Management | 23 | Practice Resource Stewardship |
| Groundwater Remediation/Aquifer Remediation | 15 | Improve Water Quality |
| Introduction | 1 | |
| Land Use Planning and Management | 24 | Practice Resource Stewardship |
| Matching Water Quality to Use | 16 | Improve Water Quality |
| Other Strategies | 29 | Objectives vary by strategy |
| Pollution Prevention | 17 | Improve Water Quality |
| Precipitation Enhancement | 10 | Increase Water Supply |
| Recharge Area Protection | 25 | Practice Resource Stewardship |
| Recycled Municipal Water | 11 | Increase Water Supply |
| Salt and Salinity Management | 18 | Improve Water Quality |
| Surface Storage—CALFED | 12 | Increase Water Supply |
| Surface Storage—Regional/Local | 13 | Increase Water Supply |
| System Reoperation | 6 | Improve Operational Efficiency and Transfers of Water |
| Urban Runoff Management | 19 | Improve Water Quality |
| Urban Water Use Efficiency | 3 | Reduce Water Demand |
| Water Transfers | 7 | Improve Operational Efficiency and Transfers of Water |
| Water-dependent Recreation | 26 | Practice Resource Stewardship |
| Watershed Management | 27 | Practice Resource Stewardship |

Section V. Project Impacts and Benefits

The following provides examples of impacts and benefits; further discussion can be found in the Proposition 84 & Proposition 1E Integrated Regional Water Management Guidelines here: http://www.water.ca.gov/irwm/docs/Guidelines/GL_Final_07_20_10.pdf

WATER SUPPLY ENHANCEMENT

A program to increase water supply may include projects, such as:

- ↻ Rehabilitation of diversion structures
- ↻ Water supply pipelines and water systems
- ↻ Additional water system tie-ins/interconnections
- ↻ Construction of groundwater treatment and extraction facilities
- ↻ Conjunctive water management
- ↻ Aquifer storage and recovery
- ↻ New or upgrades to existing reservoirs
- ↻ Water storage facilities
- ↻ Production well construction

Possible impacts may include reduced in-stream flow, water quality degradation, habitat removal, species removal, flooding, loss of farmland, and construction related impacts. Some of the proposed projects may have impacts on communities, including DACs. If so, these impacts need to be discussed. If there are any EJ impacts, they should be addressed as well. Water supply benefits may be characterized as increased water supply or range in water supply (i.e. acre-feet per year). Other anticipated benefits, such as improved water quality, increased recreational opportunities, decreased reliance on imported water, reduced groundwater overdraft, creation of wetlands and riparian habitat, and decreased operational costs.

WATER QUALITY IMPROVEMET

A program to improve water quality may include projects, such as:

- ↻ Building or upgrading wastewater treatment plants/technology
- ↻ Conversion of septic tanks to a sewer system
- ↻ Construction of new and updating collection, sewer, and interceptor sewer facilities
- ↻ Capture and treatment of stormwater/urban runoff, including the construction of rain gardens
- ↻ Construction of wetlands for water quality treatment
- ↻ Contaminant removal
- ↻ Salinity management

Possible impacts may include construction related impacts including short-term, site-specific impacts related to site grading and construction, and long-term impacts associated with project operation. Construction-related impacts may include: traffic, noise, biological resources, water quality, public services and utilities, cultural resources, and aesthetics. Other impacts may include surface water and ocean habitat loss from new outflow locations, and waste discharge issues associated with brine management and brine disposal. Possible benefits from improved water quality projects may include increased water supply, improved aquatic and wetland species

habitat and populations, increased cropland production, creation of wetlands and riparian habitat, improved recreation opportunities, and decreased treatment costs.

GROUNDWATER IMPROVEMENTS

Groundwater improvement programs may include projects to:

- ↻ Enhance conjunctive management and groundwater storage
- ↻ Capture and recharge Stormwater/Urban Runoff
- ↻ Install groundwater recovery wells
- ↻ Construct new and/or rehabilitate surface water recharge spreading grounds
- ↻ Perform aquifer storage and recovery
- ↻ Improve groundwater monitoring
- ↻ Conduct hydrogeologic investigations
- ↻ Model groundwater

Possible impacts may include construction related effects, changes in water quality, increased contaminant transport, increased pumping, and in-stream flow reduction. Possible benefits may include improved flood protection, decreased reliance on imported water, reduced surface water use, reduced pumping costs, and decreased or prevention of groundwater overdraft.

WATER CONSERVATION AND REUSE

Water conservation and reuse programs may include projects to:

- ↻ Upgrade wastewater treatment facilities to recycle water
- ↻ Landowner and homeowner incentive programs, such as rebate programs
- ↻ Improve agricultural drainage water reuse or management
- ↻ Construct recycled water systems and pipelines
- ↻ Improve urban landscape water use efficiency

Possible impacts may include construction related effects, loss of drainage flow to downstream water users, in-stream flow loss, groundwater and surface water quality effects associated with recycled water use, and reduced groundwater recharge. Benefits could be increased water saving, efficient reuse of wastewater, costs savings from reduced purchases of imported water, and saving construction of water storage facilities, and increased nutrient levels for plant and crop use from use of reclaimed wastewater.

WATERSHED REHABILITATION

A watershed rehabilitation program may include projects to:

- ↻ Decommission abandoned roads
- ↻ Enhance unimproved and county road systems for erosion control
- ↻ Restore sloughs and/or wetlands
- ↻ Manage Stormwater/Urban Runoff
- ↻ Conduct channel and riparian restoration and upland source control
- ↻ Conduct stream stabilization and other sediment load reduction projects
- ↻ Implement BMPs, including forestry BMPs
- ↻ Reduce non-point source pollution

Possible impacts could be introduction of non-native plants for erosion control and temporary increased turbidity in streams due to construction or related activities, including revegetation and forest regeneration activities and prescribed fires (to reduce undesirable trees and vegetation, etc.). Benefits may include long-term sediment reduction and temperature improvements, reduced surface water nutrient and bacteria concentrations (improved water supply quality), improved fish and wildlife habitat and passage, and enhanced public safety and recreational opportunities.

HABITAT IMPROVEMENT

A habitat improvement program may include projects to:

- ↻ Augment stream flows
- ↻ Preserve existing habitat
- ↻ Remove invasive, non-native species
- ↻ Restore wetlands and upland habitat
- ↻ Protect ecological reserves

Possible impacts could include short-term, site-specific impacts related to site grading and construction, loss of agricultural land protection and urban uses and associate local revenue. Benefits may be reduced surface water nutrient and bacteria concentrations (improved water supply quality), enhanced fish habitat, increased opportunities for recreational hunting and viewing, increased numbers of native species, reduced flood risks, and education opportunities.

FLOOD MANAGEMENT

Flood management programs may include projects to:

- ↻ Improve levees systems (i.e. floodwalls, raising levee heights, setback levees, etc)
- ↻ Preserve floodplains
- ↻ Development drainage master plans
- ↻ Remove invasive species from stream channels to improve surface flow
- ↻ Improve stormwater collection, diversion, or capture
- ↻ Improve infrastructure, including weir upgrades

Impacts may include short-term, site-specific impacts related to construction, land use restrictions, development moratoriums (with potential economic effects), and loss of riparian and/or wetland acreage. Benefits could include increased aquifer recharge, runoff reduction, improved surface water quality, natural resources preservation and restoration, reduced risk to life and property, and decreased flood insurance costs.

Section VI. Statewide Program Preferences and Priorities

Section VII. Project Cost and Financing



Section VIII. Project Status and Schedule

Section IX. Project Technical Feasibility



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 by 1 August, 2012.

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 in Meeting #6 Handout 4 a/b at www.westsideirwm.com/meetings . 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: | |

| | |
|---|--|
| Explanation of Project linkage to goals and objectives | |
| How will the project be measured to ensure the goals and objectives are being fulfilled? | |

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 | <input type="checkbox"/> | | |
| Improve Water Quality | <input type="checkbox"/> | | |
| Groundwater Improvements | <input type="checkbox"/> | | |
| 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 (2012 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.

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