

## D. Project Consistency with an Adopted IRWM Plan

The 2013 ECCC IRWM Plan Update integrates long-term planning and high-quality project implementation in an adaptive management framework — fostering coordination and communication among the diverse stakeholders in the region. Focus areas for the ECCC IRWM Plan include water conservation, recycled water, stormwater treatment, and wetland habitat restoration.

The overall objectives of the ECCC IRWM Plan are to develop coordination, collaboration, and communication among East County agencies responsible for water- and habitat-related issues, achieve greater efficiencies, and build public support for vital projects. The 2013 IRWM Plan Update expands upon the 2006 IRWM Plan, documents progress toward meeting IRWM Plan objectives, and identifies ongoing regional needs and issues.

At the May 20, 2015 ECCC IRWM Participant Meeting, new projects to be included in the 2015 ECCC IRWM Plan that is currently being updated were discussed and considered for approval. The projects were later presented at the East County Water Management Association (ECWMA) Governing Board meeting held on May 28, 2015. These projects were presented for consideration of inclusion in the 2015 IRWM Implementation Grant proposal from the ECCC IRWM Region. The three projects in this proposal were not previously included in the 2013 ECCC IRWM Plan. However, at the May 20, 2015 ECCC IRWM Participant Meeting, all three projects were unanimously approved to be added to the IRWM Plan. Documentation of these meetings, including meeting agendas and meeting minutes, is provided at the end of this Section.

As requested in the Proposal Solicitation Package (PSP), demonstration of project consistency with the IRWM Plan is provided on the following pages. The ECCC Sustainable Delta Water Management Proposal and its three projects comprise a geographically diverse and well-integrated implementation program with multiple water supply, water conservation, flood control human-right-to-water benefits, and recycled water benefits. This section demonstrates that this Proposal contains significant, dedicated, and well-defined projects that meet multiple Program Preferences of the DWR Proposition 84 IRWM Guidelines.

To facilitate review of project consistency with the ECCC IRWM Plan, the projects are grouped by primary benefit type, as listed in **Table 1-2**, below.

**Table 1-2. ECCC 2015 IRWM Project Identification Numbers and Organization**

Primary Project Benefit	Project ID#	Project Proponent	Project Title
Water Conservation	1	CCWD	East Contra Costa County Lawn to Garden Rebate Program
Recycled Water Supply	2	City of Brentwood	Brentwood Non-Potable Water Distribution System - Phase III
	3	Delta Diablo	Delta Diablo Recycled Water Supply Expansion and Residential Fill Station Project

The overarching goals of the 2013 ECCC IRWM Plan are as follows:

- Goal 1. Water-quality related regulations and water supply reliability.
- Goal 2. Protection, restoration, and enhancement of the Delta ecosystem and other environmental resources.
- Goal 3. Funding for water-related planning and implementation.
- Goal 4. Stormwater and flood management.
- Goal 5. Water-related outreach and equal distributions of resources.

Objectives for the ECCC Region were developed to support the IRWM Plan goals. Demonstration of each project’s consistency with the 2013 ECCC IRWM Plan objectives is provided below.

**Project 1 – East Contra Costa Lawn to Garden Rebate Program**

The Project aligns with regional priority needs and objectives in the ECCC IRWM Plan as follows:

**Water Quality and Related Regulations Objectives:**

***Limit quantity and improve quality of stormwater discharges to the Delta.*** The Lawn to Garden Rebate Program will provide incentives for customers to reduce non-essential potable water usage by converting their lawns to water-wise gardens that require substantially less water, and will substantially reduce non-point source runoff discharges to the stormdrain system in East Contra Costa County. If irrigation customers are maintaining water-wise gardens, overwatering will not occur and turf maintenance-related water quality contaminants, such as fertilizers and pesticides, will not be carried in urban runoff discharges to the stormdrain system. The program will achieve immediate and long-term reductions in urban irrigation runoff discharges to the Sacramento-San Joaquin River Delta (Delta), thus improving Delta water quality.

**Water Supply and Reliability Objectives:**

***Increase water conservation and water use efficiency.*** The Lawn to Garden Rebate Program will provide incentives for customers to reduce non-essential potable water usage by converting their lawns to water-wise gardens that require substantially less water. The program will achieve immediate and long-term drought relief and reduce potable water supply demands on the Delta.

**Protection, Restoration, and Enhancement of the Delta Ecosystem and other Environmental Resource Objectives:**

***Reduce greenhouse gas emissions.*** Greenhouse gas emissions will be considerably reduced by replacing turf monoculture with climate-adapted native plants.

**Funding for Water-Related Planning and Implementation Objectives:**

***Increase regional cost efficiencies in treatment and delivery of water, wastewater, and recycled water.*** The CCWD pumps water from the Delta at a high pumping cost. This program would reduce water demand for irrigation, thus reducing the costs for treatment and delivery of water, wastewater and recycled water.

**Outreach Objectives:**

***Promote equitable distribution of proposed projects across the region.*** The incentive program is available to residential and non-residential customers who receive water for their landscape through a metered service in the CCWD East Contra Costa County service area, including disadvantaged communities (DACs).

***Increase awareness of water resource management issues and projects with the general public.*** Education programs for the community will be promoted to increase awareness of water conservation.

## Project 2 – Brentwood Non-Potable Water Distribution System – Phase III

The Project aligns with regional priority needs and objectives in the ECCC IRWM Plan as follows:

### Water Quality and Related Regulations Objectives:

**Protect and improve source water quality:** The proposed project will allow the City of Brentwood (City) to convert four service areas from potable water to non-potable water. It will also improve the health of the Delta by pumping less water for irrigation and discharging less treated water into Marsh Creek (a tributary to the Delta), which will help reduce the salinity of the Delta.

**Maintain/Improve regional recycled water quality.** The proposed project will expand the City's non-potable water distribution system and supply an estimated 73.65 acre feet (AF) of recycled water per year. This project will help the City meet its goal to reduce the amount of potable water used during the statewide drought.

**Meet current and future water quality requirements for discharges to the Delta.** The City monitors the chloride levels of the water discharged into Marsh Creek. The current discharge averages 400 milligrams per liter (mg/L) of chloride. By reducing the amount of treated non-potable water discharged into Marsh Creek by 73.65 acre feet per year (AFY), the City will not discharge 80,000 pounds of chloride to Marsh Creek and the Delta each year.

### Water Supply and Reliability Objectives:

**Pursue water supplies that are less subject to Delta Influences and drought, such as recycled water and desalination.** The proposed project will improve the health of the Delta by providing recycled water supply for irrigation purposes. This project will reduce water supply demands on the Delta, particularly during drought periods.

**Increase water conservation and water use efficiency.** The project will allow for distribution of non-potable supply to more consumers, and will therefore offset supply demands on the Delta.

**Pursue regional exchanges for emergencies, ideally using existing infrastructure.** Much of the pipelines for this project are already in place, but lack connections to complete the recycled water distribution system. During emergencies, these recycled water pipelines will be available for firefighting needs, and ensure firefighting water supplies are continually available at the proper pressure.

### Protection, Restoration, and Enhancement of the Delta Ecosystem and other Environmental Resource Objectives:

**Protect, restore and enhance the watersheds that feed and contribute to the Delta Ecosystem.** This project will benefit the region by reducing reliance on Delta and groundwater supplies. Additionally, the project will prevent 80,000 pounds of chloride from being discharged into Marsh Creek.

### Funding for Water-Related Planning and Implementation Objectives:

**Increase regional cost efficiencies in treatment and delivery of water, wastewater, and recycled water.** This project will support the City's effort to reduce costs to meet potable water demands. The City purchases water from CCWD and operates groundwater wells to meet potable water demands. This project will offset potable demands by providing non-potable water for irrigation. This project will encourage effective water use and reduce costs for treatment and delivery of water, wastewater, and recycled water.

**Develop projects with regional benefits that are implementable and competitive for grant funding.** This project will have an immediate reduction of 73.65 AFY of potable water use. This 73.65 AFY will be a permanent potable supply offset for the City's service area. This project will also lead to future expansions to the City non-potable water network, which will further reduce long-term water demands.

### Outreach Objectives:

**Increase awareness of water resource management issues and projects with the general public.** The City promotes water conservation and recycled water use through various strategies including operation of recycled water filling stations to provide recycled water at no cost and incentive programs for customers to permanently remove turf landscaping and to replace older appliances with water efficient appliances.

### Project 3 – Delta Diablo Recycled Water Supply Expansion and Residential Fill Station

The Project aligns with regional priority needs and objectives in the ECCC IRWM Plan as follows:

#### **Water Quality and Related Regulations Objectives:**

***Maintain/Improve regional recycled water quality.*** The Delta Diablo Recycled Water Supply Expansion and Residential Fill Station Project (Project) includes constructing an emergency back-up generator for Delta Diablo's Recycled Water Facility (RWF) and fill stations. Previously stored water will now be available to a larger number of customers and will provide consistent, permanent potable water offset for irrigation within the District's service area.

#### **Water Supply and Reliability Objectives:**

***Pursue water supplies that are less subject to Delta Influences and drought, such as recycled water and desalination.*** The project will provide consistent, permanent potable water offset and reduced reliance on Delta water supply. The project will provide 208 AFY to new recycled water customers, thereby reducing Delta water demands.

***Increase water conservation and water use efficiency.*** The project will enable 208 AFY of recycled water to be used to offset potable water use and increase access to recycled water by residential customers. The recycled water fill station component of the project will provide free recycled water to customers in the service area for irrigation use.

***Pursue regional exchanges for emergencies, ideally using existing infrastructure.*** This project includes the construction of a 600 kilowatts (kW) emergency back-up generator for the RWF and installation of 10 recycled water fill stations for residential irrigation uses. Recycled water will be available to its customers even in an emergency or power outage. The existing 2 MG water tank that previously only stored water will now be available to customers to meet irrigation demands on a daily or emergency basis.

#### **Protection, Restoration, and Enhancement of the Delta Ecosystem and other Environmental Resource Objectives:**

***Minimize impacts to the Delta ecosystem and other environmental resources.*** The project will provide consistent, permanent potable water offset and reduced reliance on Delta water and groundwater supplies by using an existing water tank supply.

***Reduce greenhouse gas emissions.*** This project will reduce energy use by 142,000 kilowatt hours per year (kWh/year) and associated greenhouse gas emissions will also be reduced.

#### **Funding for Water-Related Planning and Implementation Objectives:**

***Increase regional cost efficiencies in treatment and delivery of water, wastewater, and recycled water.*** This project maximizes the use of existing storage facilities and allows water demands to be met without additional distribution system infrastructure. This alternative will also reduce the energy demands of the recycled water pump station and the RWF.

#### **Outreach Objectives:**

***Collaborate with and involve DACs in the IRWM process.*** The addition of the residential recycled water fill station will have an immediate impact on the DAC community by providing a free source of irrigation water. The project will directly benefit DACs of Bay Point, Pittsburg, and Antioch by providing free irrigation water and reducing monthly water bills.

***Increase awareness of water resource management issues and projects with the general public.*** This project will promote water resource conservation and use of recycled water by providing free water for irrigation.



## AGENDA

### East Contra Costa County IRWM Region

May 20, 2015

Delta Diablo Sanitation District Board Room

10:30 – 11:30 a.m.

Call-In Number: (530) 881-1300; Access Code: 565448

#### Meeting Objective: Proposition 84 Implementation Grant 2015 Process

- |   |               |
|---|---------------|
| 1) Welcome and Introductions                  | 10:30 – 10:35 |
| 2) Planning Grant Round 2 – IRWM Plan Update  | 10:35 – 11:00 |
| a. Project List Update and Review             |               |
| b. Review of Updated Plan - Schedule          |               |
| 3) Upcoming Prop 84 Implementation Grant Rd 3 | 11:00 – 11:20 |
| a. 2015 Implementation Solicitation           |               |
| b. Project Selection                          |               |
| c. \$6.6M available for San Joaquin Region    |               |
| d. Applications due August 7, 2015            |               |
| 4) Other Updates                              | 11:20 – 11:25 |
| a. Implementation Grant Round 1 – Project 3   |               |
| b. Water Bond Updates                         |               |
| 5) Announcements and Next Steps               | 11:25 – 11:30 |



City of Pittsburg

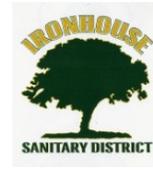


Delta Diablo Sanitation District



### East Contra Costa County Integrated Regional Water Management (IRWM) Plan Sign-In Sheet – May 20, 2015

Name	Affiliation	E-mail Address	Phone Number
PAUL R. DETJENS	CC Flood Control	pdetj@pw.cccounty.us	925-313-2394
Mark Seedell	CCWD	mseedell@ccwater.com	925-688-8119
Jayne Strommer	Delta Diablo	Jayne.S@deltadiablo.org	925-756-1910
Jeanie Hudson	CCWD	JHudson@CCWA	925-688-8132
Gary Darling	Delta Diablo	garyd@deltadiablo.org	756-1920
Phil Govea	Delta Diablo	philg@deltadiablo.org	756-1928
Ben Wallace	Contra Costa RSD	ben.wallace@co.ccdnet.net	925-672-6522
Jenny Skrel	Ironhouse Sanitary District	skrel@isd.us.com	925-625-2279
John Steese	CoCo Watershed Prog.	jsteese@pw.cccounty.us	925-313-7281
Diane	CO Brentwood		
Brian Schaffer	DWP		
Crystal Benham	RMC		
Alyson Watson	RMC		
Hong Lin	DWP		



**Meeting Minutes**  
**East Contra Costa County IRWM Region**  
**May 20, 2015**  
**Delta Diablo Sanitation District Board Room**  
**10:30 – 11:30 a.m.**

**Call-In Number: (530) 881-1300; Access Code: 565448**

**Meeting Objective: Proposition 84 Implementation Grant 2015 Process**

1) **In attendance:**

Paul Detjens, County Flood Control  
 Mark Seedall, CCWD  
 Jayne Strommer, Delta Diablo  
 Jeanie Linden, CCWD  
 Gary Darling, Delta Diablo  
 Phil Govea, Delta Diablo  
 Ben Wallace, Contra Costa RCD  
 Jenny Skrel, Ironhouse Sanitary District  
 John Steer, Contra Costa Watershed Project

**On Telephone:**

Bruce Schaffer, DWR  
 Hong Lin, DWR  
 Crystal Benham, RMC  
 Alyson Watson, RMC  
 Diana Williford, City of Brentwood

2) Planning Grant Round 2 – IRWM Plan Update

- a. Project List Update and Review – the project list was updated to include recommended projects from the Recycled Water Studies recently completed by Delta Diablo and ISD, and CCWD’s Regional Capacity Study. Brentwood indicated they wish to add a recycled water project that is already part of their capital improvement program to install missing links of existing recycled waterlines to interconnect the City’s network. The RCD described a watershed protection project to improve/develop multiple cattle ponds; some of which lies within the EC IRWM region. Ben (RCD) will submit a ‘Project Request Form’ for inclusion into the list. Delta Diablo described a project they are currently working on for a standby generator for pump facilities to maintain a recycled water tank. CCWD will add a Lawn to Garden Rebate project into the EC IRWM list. CCWD’s current rebate program is funded from grant award through the Bay Area region however, the Bay Area will not be seeking further water conservation funding in the next round. The group had no objections to including the new projects into the IRWM Plan. The group indicated that they would discuss the interest in applying for the final round of proposition 84 funding at the East County Water Management Governor meeting on May 28, 2015.
- b. Review of Updated Plan – The draft updated Plan is available for download from RMC’s file transfer site. Delta Diablo and Ironhouse had questions regarding the supply and demand tables shown and requested that RMC review the numbers against their Recycled Water Masterplan. The group concurred that the updated plan should reflect supplies and demands during a multi-year drought consistent with the actual 2015 conditions. A revised draft plan will be available by Friday for

download and review.

3) Upcoming Prop 84 Implementation Grant Rd 3

- a. 2015 Implementation Solicitation – the group is interested in submitting an application. There are nine agencies interested in submitting a total of ten projects. The group scored the ten projects for meeting the grant requirements. Antioch withdrew their Viera Water and Sewer project due to it not being ready to implement. The mix of projects included stormwater flood protection, habitat protection, recycled water and conservation, and interagency intertie which the group agreed meets the ‘I’ in the IRWM. The group determined an outside consultant will be contracted to help bring the multi-project application together for submittal. The cost of the consultant will be split by proportion of grant request amount. The participating agencies agreed that they would inform the ECWMA that there is an interest to seek grant funding in the final proposition 84 funding round. The eight remaining projects will be presented at the May 28 ECWMA meeting as potential projects in the application (five of which are already in the current adopted IRWM plan). The group further agreed to hold additional conference calls to discuss the grant application, the projects to be included and the funding request. A follow-up meeting and conference call was scheduled for June 4<sup>th</sup> at Delta Diablo. Final determination of projects for the applications will be based on each agency’s commitment to provide resources for completing the grant application.
- b. \$6.6M available for San Joaquin Region – the total grant request of the eight projects totaled greater than available funds for the region. Several of the projects are scalable and requests can be reduced. The total request can be adjusted with the final list of projects.
- c. Applications due August 7, 2015



**EAST COUNTY WATER MANAGEMENT ASSOCIATION  
GOVERNING BOARD MEETING**

**AGENDA**

Thursday, May 28, 2015

**Delta Diablo**

POC Lunchroom | 2600 Pittsburg-Antioch Highway | Pittsburg, CA 94565

**11:30 a.m. Meet & Greet**

**11:45 p.m. Lunch**

**12:15 p.m. Business Meeting**

- I. Call to Order/Introductions** (*Boatmun/All*)
- II. Public Comments**
- III. Approve November 20, 2014 Meeting Report** (*All*)
- IV. Election of Governing Board Officers** (*Boatmun*)  
Nominations may be made from the floor prior to the vote
- V. Treasurer’s Report** (*Coley*)
- VI. Proposition 84 Round 2 Planning Grants Update** (*Linden*)
- VII. Proposition 84 Implementation Grants Updates**
  - a. Round 1 Project Update – East Contra Costa County Habitat Conservancy, Watershed Protection & Restoration (*Fateman*)
  - b. Delta Diablo (*Strommer*)
  - c. Round 2 Project Update – City of Pittsburg (*Pease*)
  - d. Drought Grant Request (*Seedall*)
  - e. Final Round Proposition 84 Implementation Grant (*Seedall*)

**VIII. Proposition 1E Grant Updates**

- a. Stormwater Flood Management Grant (*City of Antioch*)
- b. Upper Sand Creek Basin (*Contra Costa Flood Control*)
- c. Contra Costa Water District Stormwater Flood Management (*Seedall*)

**IX. Water Bond Update** (*Strommer*)

**X. Drought and LVE Partnerships** (*Patil*)

**XI. Update of Agency Rosters** (*Jones*)

Submit rosters updates to Denise Jones at [denisej@deltadiablo.org](mailto:denisej@deltadiablo.org)

**XII. Agency Information Sharing**

Reports on Water, Wastewater & Watershed Activities (*All*)

**XIII. Other Business** (*All*)

**XIV. Next Meeting** (*All*)

The next meeting is scheduled for November 5, 2015 at the *Delta Science Center*