

South Watershed Management Area


Executive Committee

June 4, 2015



Item 1: Self Introductions

**Item 2: Public Comments, Non-Agenda
Topics**



Item 3: Approval of Minutes for
March 12, 2015


Recommended Action: Approve the
minutes of the March 12, 2015
meeting.

Item 4

Election of Chair and Vice-Chair

Election of Chair and Vice-Chair

- * Cooperative Agreement Terms:
 - * selection of Chair and Vice-Chair
- * For the FY 2014-15 term
 - * Chair: a City representative
 - * Vice-Chair: a Water District representative
- * Nomination sub-committee to provide recommendations



Recommended Action: Elect Chair and
Vice-Chair based upon
recommendations presented by the
nomination sub-committee

Item 5

2015-17
Proposed Work Plan
and Budget Approval

Cooperative Agreement & Budget Approval Process

- * Executive Committee reviews and approves an annual work plan and budget for the administration and activities of the WMA
- * Funding equally divided amongst the participating agencies
- * Executive Committee did not request any changes made to the recommended budget at the March 12th meeting

2015-16 Proposed Work Plan

- * Call for projects
- * Prepare Proposition 84 Implementation Grant application
- * Grant administration: two existing grants
- * Committee support: 4 Executive, 12 Management, 6 ad hoc meetings
- * Advocacy for Proposition 84 grant funding
- * Team Arundo program: permits, oversight

FY 2015-16 LINE ITEMS	REVENUES		
	Grants/ County	Shared Costs	Total
1. Proposition 84 2015 Implementation Submittal	10,000	60,000	70,000
2. Call for Projects	10,000	0	10,000
3. Grant Administration	30,000	0	30,000
4. Committee Support <ul style="list-style-type: none"> • 4 Executive Committee meetings • 12 Management /Stakeholder • 6 Ad hoc 	0	60,000	60,000
5. Advocacy for Proposition 84 and Proposition 1	0	2,500	2,500
6. Team Arundo Program Oversight	0	5,000	5,000
Total	50,000	127,500	177,500
<i>COST SHARE PER PARTY FY 2015-16</i>		<i>\$6,375</i>	

2016-17 Proposed Work Plan

- * Grant administration: three implementation “block grants,” potential fourth grant
- * Committee support: 4 Executive, 12 Management, 6 ad hoc committee meetings
- * Advocacy for grant funding, as needed
- * Team Arundo program oversight & permit renewal
- * Proposition 1 Water Bond grant submittal

FY 2016-17 LINE ITEMS	REVENUES		
	Grants/ County	Shared Costs	Total
1. Grant Administration	30,000	0	30,000
2. Committee Support <ul style="list-style-type: none"> ● 4 Executive Committee meetings ● 12 Management Committee or stakeholder ● 6 Ad hoc 	0	60,000	60,000
3. Advocacy for grant funding	0	2,500	2,500
4. Team Arundo Program Oversight	5,000	10,000	15,000
5. Water Bond grant submittals	10,000	60,000	70,000
Total	45,000	132,500	177,500

COST SHARE PER PARTY FY 2016-17

\$6,625



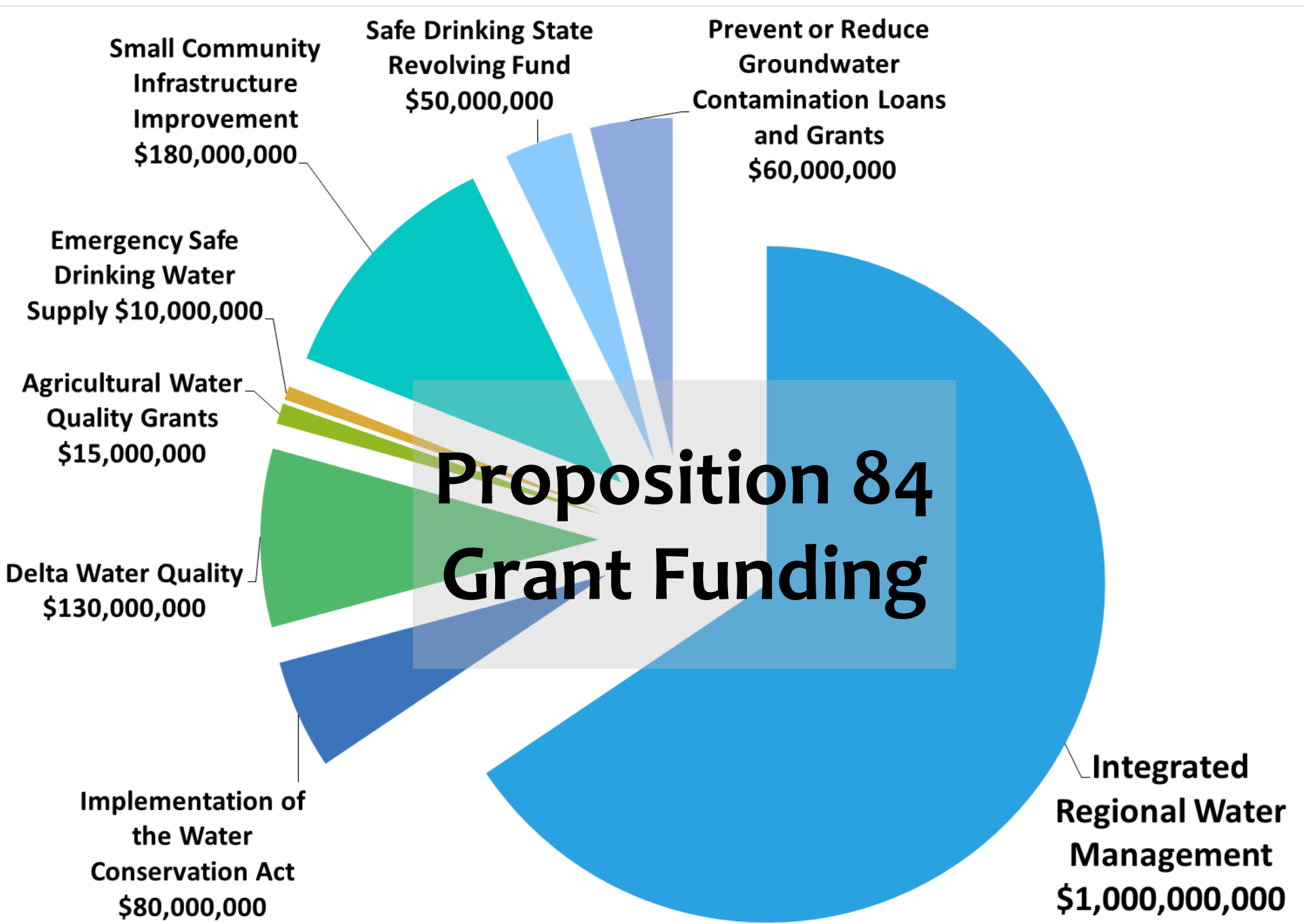
**Recommended Action: Approve 2015-17
budget**

Item 6

Proposition 84 Implementation Grant Submittal and Project Presentations

Proposition 84 Grant Funding

- * The Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006
- * Allocated \$91 million in competitive grants to implement Integrated Regional Water Management Plans in San Diego Region
- * A total of \$11.7 million available for South Orange County over life of grant



Proposition 84 – 2015 Implementation Grant Round

- * The 2015 Integrated Regional Water Management (IRWM) Implementation Grant is the final IRWM disbursement for Proposition 84
- * Previous rounds: Planning Grant (\$457,416), Implementation Grant – Round 1 (\$2.3 million), Implementation – Round 2 (\$1.7 million), 2014 Implementation – Drought Round (\$1.5 million)

Proposition 84 – 2015 Implementation Grant Round

- * Call for Projects: March 23 – April 23, 2015
- * 12 projects submitted, 11 met criteria, one absorbed into other projects (invasives removal)
- * Project Review/Ranking Process:

**Ad Hoc
Review &
Recommendation**

**Management
Committee
Review &
Recommendation**

**Stakeholder
Workshop &
Recommendation**

**Management
Committee
Final
Recommendation**

Formation of Water Management Area

- * The Integrated Regional Water Management Area was established with the approval of the 2005 Plan
- * Required three coordinating entities: South Orange County Wastewater Authority (SOCWA), County of Orange and Municipal Water District of Orange County (MWDOC)

Integrated Regional Plan Goals

- * Regional Objectives for the Watershed Management Area in the 2005 Plan and 2013 Plan Update:**
 - * Integrate Flood Management
 - * Improve Water Quality
 - * Increase Water Supply & Reliability
 - * Promote Water Use Efficiency
 - * Protect & Enhance Natural Resources

Assessment Criteria: Integrated Regional Plan Goals

- * Scoring Methodology Assessed Attainment of Regional Objectives from the Plan and assigned 100 points per goal category
- * Intent of scoring – assess the relative merits (cost to benefit ratio) of projects with different objectives
- * Goal to put forward an integrated portfolio

Assessment Criteria: Drought

- * **Statewide Priority: Drought Preparedness**
 - * Promote water conservation, conjunctive use and reuse and recycling
 - * Improve landscape irrigation efficiencies
 - * Achieve long-term reduction in water use
 - * Efficient groundwater basin management
 - * Establish system interties
 - * Solutions that yield new water supply

Assessment Criteria: Multi-Benefit

- * **Eligible projects must yield multiple benefits; examples of project types include:**
 - * Water supply reliability, water conservation, and water use efficiency
 - * Drinking water treatment and distribution
 - * Removal of invasive non-native species, the creation and enhancement of wetlands
 - * Non-point source pollution reduction, management, and monitoring

Assessment Criteria: Multi-Jurisdictional/Entity

- * Executive Committee guidance during strategic visioning process stressed multi-entity and integrated approach
- * IRWM Region Description (Guidelines):
 - * “At a minimum, a region ... shall be defined to maximize opportunities for integration of water management activities and effectively integrates water management programs and projects...”

Project Presentations



Dairy Fork Wetland

Lead Agency: City of Aliso Viejo

Participating Agencies: Cities of Lake Forest, Laguna Hills ,
Laguna Woods

Supported by: OC Parks, OC Public Works, Aliso Viejo
Community Association, Laguna Canyon Foundation,
Southern California Edison

Project Overview

- * **Primary Project Benefit:** Improve Water Quality of Urban Runoff
- * **Secondary Project Benefits:** Restore Natural Habitat
- * **Total Project Cost:** \$1,068,000
- * **Grant Amount Requested:** \$500,000
- * **Project Score:** 119

Project Metrics

- * Wetland will treat **325 AFY** of urban runoff draining from **1,500 acres** of commercial and residential area within the cities of Aliso Viejo, Lake Forest, Laguna Hills and Laguna Woods.
- * **95% Bacterial load reduction** and habitat restoration measured through the implementation of a 5-year monitoring program.
- * Participating cities committed to support a lifetime maintenance program.

San Juan Aquatic Passage and Habitat Improvement

Lead Agency: Cleveland National Forest

Participating Agencies: Federal Highway Admin., US Fish and
Wildlife Service, Calif. Dept. of Fish and Wildlife, County of
Orange

Project Overview

- * **Primary Project Benefit:** Natural resource protection
- * **Secondary Project Benefits:** Water quality improvement
- * **Total Project Cost:** \$1,913,000
- * **Grant Amount Requested:** \$983,000
- * **Project Score:** 118

Project Metrics

* Aquatic Passage Improvements

- * Removal of **7 dams** & replacement of **2 stream crossings**; monitor jump height at treated sites
- * Contributes to regional steelhead recovery plan

* Habitat Improvements

- * Removal of **5 acres** of invasive/non-native plants
- * Stabilization of stream channel
- * **Sediment reduction (10%)** at treated sites

Crown Valley Park Channel Improvements

Lead Agency: City of Laguna Niguel

Participating Agencies: Moulton Niguel Water District,
Niguel Botanical Preserve

Project Overview

- * **Primary Project Benefit:** Water quality
- * **Secondary Project Benefits:** Natural resource enhancement, water supply, water use efficiency, and flood management
- * **Total Project Cost:** \$8,850,000 (\$2.9M in water-resource-related improvements)
- * **Grant Amount Requested:** \$750,000 (25% of water-related and 8.5% of Total Project Cost)
- * **Project Score:** 116

Project Metrics

* Pollutant removal:

- * Removal of **80% of bacteria** load verified with water quality sampling
- * Record trash removed from project area

* Habitat Improvements:

- * Restoration of **1.54 acres of habitat** assessed by monitoring vegetative cover and species establishment

* Water Use Efficiency:

- * Reduction (**32 AFY potable and 7 AFY overall**) shown via comparison of water bills pre- and post-project

Strategic Turfgrass Removal and Design Assistance Program

Lead Agency: Municipal Water District of Orange County

Participating Water Districts: El Toro, Laguna Beach, Moulton Niguel, Santa Margarita, South Coast, and Trabuco Water Districts

Participating Utility Departments: Cities of San Clemente and San Juan Capistrano

Project Overview

- * **Primary Project Benefit:** Water use efficiency
- * **Secondary Project Benefits:** Water quality
- * **Total Project Cost:** \$7,734,519
- * **Grant Amount Requested:** \$2,676,215
- * **Project Score:** 106

Project Metrics

* Landscape Improvements:

- * Incentivized replacement of **2.5M ft²** of turfgrass with CA Friendly landscapes (total of **115 acres**)
- * Verified through pre/post inspection process of onsite turfgrass removal square footage

* Water Conservation:

- * Provide **700 AFY of water supply** through efficiency
- * Quantified via robust statistical water savings evaluation, normalized for weather

3A WRP Tertiary Treatment Expansion

Lead Agency: Santa Margarita Water District

Participating Agencies: Moulton Niguel Water District

Other Benefiting Agencies: City of Mission Viejo, City of
Laguna Niguel, City of San Juan Capistrano

Project Overview

- * **Primary Project Benefit:** Water Supply – 3,350 AFY
- * **Secondary Project Benefits:** Water Quality, reduce amount of secondary effluent released to the ocean
- * **Total Project Cost:** \$4,000,000
- * **Grant Amount Requested:** \$1,000,000
- * **Project Score:** 98

Project Metrics

* Water Supply:

- * Increase tertiary capacity from 2.4 to 6.0 MGD (**3,350 AFY**), offsetting imported domestic water
- * Amount of flow will be measured by effluent introduced into SMWD's, MNWD's and City of San Juan Capistrano's recycled water systems
- * Potential source for San Juan Creek recharge if Indirect Potable Reuse initiated

Recycled Water Distribution Upgrade

Lead Agency: South Coast Water District

Project Overview

- * **Primary Project Benefit:** Water Supply
- * **Total Project Cost:** \$2,250,000
- * **Grant Amount Requested:** \$750,000
(33%)
- * **Project Score:** 63

Project Metrics


* Water Supply:

- * The project will increase recycled water distribution by replacing an existing 6,600 foot section of 10” primary recycled distribution system supply main with a 12” to 16” main (as determined by final design).
- * Increase flow capacity by **850 AFY** by eliminating a bottleneck

Project Assessment & Ranking

- * **Project Review/Ranking Process To Date:**
 - * Management Committee scoring ad hoc committee – April 24, 2015 through May 4, 2015
 - * Management Committee – May 4, 2015
 - * Stakeholder workshop – May 12, 2015
 - * Management Committee – June 1, 2015
 - * *Executive Committee selection – June 4, 2015*


Project Title	Grant Request	Recommendations		
		Ad Hoc	MC	Stakeholder
Dairy Fork Wetland	\$500k	\$400k	\$400k	\$500k
San Juan Aquatic Passage and Improvement	\$983k	\$600k	\$600k	\$700k
Crown Valley Park Channel Improvements	\$750k	\$600k	\$600k	\$700k
Strategic Turfgrass Removal & Design Assistance Program	\$2.6 mil	\$1.4 mil	\$1.4 mil	\$1 mil
3A WRP Tertiary Treatment Expansion	\$1 mil	\$1 mil	\$1 mil	\$1.1 mil
Recycled Water Distribution Upgrade	\$750k	\$750k	\$750k	\$750k
TOTALS	\$6.7 mil	\$4.75 mil	\$4.75 mil	\$4.75 mil



Recommended Action: Approve submittal of a \$4.75 million 2015 Proposition 84 Integrated Regional Water Management (IRWM) Implementation grant application to the California Department of Water Resources for the six projects from the IRWM Plan.

Item 7

Selection of Laguna Beach County Water District Member on Executive Committee



Recommended Action: Appoint Laguna Beach County Water District as a voting member to the Executive Committee



Item 8: Executive Officer's Report

Next Round of Integrated Plan Implementation Grants: State

Task Name	Dates
Draft Guidelines and Proposal Solicitation Package (PSP)	March 16, 2015
Public Meetings	Mid April 2015
Release Final Program Guidelines and PSP	May 13, 2015
Applicant Workshops	Early July 2015
Applications Due	August 7, 2015
Announce Draft Recommendations	Early November 2015
Announce Final Awards	Mid December 2015



**Item 9: Executive Committee Member
Comments**

Item 10: Adjournment

Next meeting date: September 3, 2015



Supplemental Slides

Project Title	Lead Agency	Primary Benefit	Project Score	Grant Request
Lake Mission Viejo Recycled Water Treatment Plant	Santa Margarita Water District	Water Supply	54	\$1 mil
Recycled Water Expansion – Phase II	El Toro Water District	Water Supply	53	\$1 mil
Trabuco Road Runoff Prevention and Water Conservation	City of Mission Viejo	Water Use Efficiency	19	\$1 mil
Coastal Treatment Plant Aeration Upgrade	South Orange County Wastewater Authority	Water Supply	0	\$900k
TOTAL				\$3.9 mil