

Attachment 1

Authorization and Eligibility Requirements



San Diego Integrated Regional Water Management

Implementation Grant Proposal – Round 2

Authorization and Eligibility Requirements

Attachment 1 consists of the following items:

- ✓ **Authorization and Eligibility Requirements.** This attachment consists of authorizing documentation, eligible applicant documentation, Groundwater Management Plan (GWMP) compliance, Urban Water Management Plan (UWMP) compliance, AB 1420 and California Water Code §525 compliance (water meter compliance), consent form for IRWM Plan Update, consistency with the adopted IRWM Plan, and progress on meeting the current *IRWM Grant Program Guidelines*.
- ✓ **Resolution.** Resolution 2013-03 authorizes the San Diego County Water Authority to submit this *San Diego IRWM Implementation Grant Proposal – Round 2* and execute an agreement with the State of California for implementation of seven priority water resources projects (see Appendix 1-1).
- ✓ **Memorandum of Understanding.** The adopted *Memorandum of Understanding for the Integrated Regional Water Management Program for Fiscal Years 2012-2016* gives the San Diego County Water Authority overall responsibility for managing the San Diego IRWM program and submitting all applications to the State on behalf of the parties (see Appendix 1-2).
- ✓ **Consistency with San Diego IRWM Plan.** To demonstrate consistency with the adopted 2007 San Diego IRWM Plan and the (incomplete) draft 2013 IRWM Plan Update, this proposal includes the Plan Amendment addressing the addition of new projects to the project list, the Proposition 84-Round 2 Project Selection Workgroup Suggested Criteria for Workgroup Consideration, and the package of projects that were recommended through the project selection process for this proposal. Further, applicable portions of the draft 2013 IRWM Plan Update (Vision, Mission, Goals, and Objectives) are included to demonstrate consistency between this Proposal and the Plan Update (see Appendix 1-3).

Authorizing Documentation

Resolution 2013-03 was adopted by the San Diego County Water Authority (Water Authority) Board of Directors on January 24, 2013 and authorizes the Water Authority to submit this *San Diego IRWM Implementation Grant Proposal – Round 2* and execute an agreement with the State of California for implementation of seven priority water resources projects (see Appendix 1-1).

Eligible Applicant Documentation

This *San Diego IRWM Implementation Grant Proposal – Round 2* is being submitted by the San Diego County Water Authority (Water Authority). Per the adopted *Memorandum of Understanding for the Integrated Regional Water Management Program for Fiscal Years 2012-2016*, the San Diego Regional Water Management Group (RWMG) – comprised of the City of San Diego, the County of San Diego, and the Water Authority – has determined that the Water Authority shall have overall responsibility for submitting all applications to the State on behalf of the parties (see Appendix 1-2). The Water Authority is also submitting this grant proposal on behalf of the following non-RWMG entities:

- Olivenhain Municipal Water District
- Rural Community Assistance Corporation (RCAC)
- WaterReuse Research Foundation
- San Diego River Park Foundation
- Jacobs Center for Neighborhood Innovation

The Water Authority's qualifications as an eligible applicant in accordance with the *IRWM Grant Program Guidelines*¹ are as follows:

1. The Water Authority is a local agency as defined in Appendix B of the *IRWM Grant Program Guidelines*. The Water Authority is the regional water wholesale agency within San Diego County, whose mission is to provide a safe and reliable supply of water to its 24 member agencies.
2. The Water Authority is a county water district organized and existing under Division 12, commencing with §30000, of the California Water Code. The Water Authority was organized under the County Water Authority Act of 1943 to serve as the San Diego Region's water wholesaler.
3. The Water Authority has legal authority to enter into a grant agreement with the State of California. Per the adopted *Memorandum of Understanding for the Integrated Regional Water Management Program for Fiscal Years 2012-2016*, the San Diego RWMG has determined that the Water Authority shall have overall responsibility for submitting all applications to the State on behalf of the parties (see Appendix 1-2). Resolution 2013-03 authorizes the Water Authority to submit this *San Diego IRWM Implementation Grant Proposal – Round 2* and execute an agreement with the State of California for implementation of identified water resource projects (see Appendix 1-1).
4. The Water Authority, the City of San Diego, and the County of San Diego jointly developed and adopted a *Memorandum of Understanding for the Integrated Regional Water Management Program for Fiscal Years 2012-2016* (see Appendix 1-2). This MOU replaced the second MOU (dated March 10, 2009), as amended, between the Water Authority, the City, and the County for FYs 2009-2013 of the IRWM Grant Program. Section 1b of the MOU states that the "Water Authority shall submit the grant applications to the funding agency on behalf of the Parties." Additionally, section 3a of the MOU states that the "Water Authority shall administer and manage IRWM grant agreements, administer the local project sponsors' (LPS) contracts, develop and maintain a reporting and invoicing program, and communicate project and agreement progress to the RWMG, RAC [Regional Advisory Committee], and the funding agency."

GWMP Compliance

None of the seven projects included within this *San Diego IRWM Implementation Grant Proposal – Round 2* require compliance with or development of a Groundwater Management Plan (GWMP), because they would not involve groundwater management or recharge. These projects fall within the categories of natural resources and watersheds, water quality/stormwater, water supply, and recycled water. As such, these projects do not propose any direct action with regards to groundwater, and would not directly impact groundwater, either positively or negatively.

UWMP Compliance

There are two urban water suppliers included as project proponents within this *San Diego IRWM Implementation Grant Proposal – Round 2*: the Water Authority and Olivenhain Municipal Water District (OMWD). As required by the Urban Water Management Planning Act (CWC §10610 *et seq.*), each of these agencies submitted and received approval by the Department of Water Resources (DWR) of a complete 2010 Urban Water Management Plan (UWMP). Per these requirements, the two water suppliers listed above are currently eligible to receive grant funds. The UWMPs for these entities are available online at the following web addresses:

- San Diego County Water Authority: <http://www.sdcwa.org/2010-urban-water-management-plan>
- Olivenhain Municipal Water District:
<http://www.olivenhain.com/files/docs/projects/UWMP/2010%20OMWD%20UWMP.pdf>

¹ Department of Water Resources (DWR). 2012. Integrated Regional Water Management Proposition 84 and 1E Guidelines. November.

AB 1420 Compliance

As defined in the *IRWM Grant Program Guidelines*, AB 1420 conditions the receipt of IRWM grant funds on implementation of demand management measures in compliance with CWC §10631. There are two urban water suppliers included in this grant proposal which must also comply with AB 1420 requirements: the Water Authority and OMWD. Both water suppliers have submitted AB 1420 compliance forms to DWR, as described in Attachment 11.

Water Meter Compliance

As defined in the *IRWM Grant Program Guidelines*, CWC §525 *et seq.* requires urban water suppliers applying for IRWM grant funds to demonstrate that they meet the State's water meter requirements. There are two urban water suppliers included in this grant proposal which must also comply with Water Meter requirements: The Water Authority and OMWD. Both water suppliers have submitted Water Meter compliance forms to DWR, as described in Attachment 11.

Progress on Meeting Current IRWM Plan Standards

Through stakeholder workshops and workgroup meetings, the San Diego IRWM Region is in the process of updating the 2007 IRWM Plan. Table 1-1 provides required information that demonstrates how the San Diego IRWM Region will adopt an IRWM Plan Update that meets the IRWM Plan Standards contained in Appendix C of the 2012 *IRWM Grant Program Guidelines*. As described in detail below, the projects contained within this grant proposal are consistent with both the adopted 2007 IRWM Plan and the draft 2013 IRWM Plan Update. Appendix 1-3 includes relevant draft excerpts of the 2013 IRWM Plan Update (Vision, Mission, Goals, and Objectives).

Table 1-1: Overview of Selected IRWM Plan Standards

Standard	Responses to Specific Standard Questions
<p>Governance</p>	<p>The Governance and Financing Workgroup, a workgroup of the Regional Advisory Committee (RAC), was convened three times in 2012 to discuss future governance of the San Diego IRWM Program (Program). This workgroup analyzed the existing governance structure, potential future structural changes, and set forth a recommendation to the RAC regarding how the Program should be structured moving forward. The Governance and Financing Workgroup determined that, based on historical success of the Program, the existing governance structure be maintained. A graphical overview of that structure is provided below.</p> <div data-bbox="467 1262 1333 1749" data-label="Diagram"> <pre> graph TD subgraph RWMG [Regional Water Management Group] SDCA[San Diego County Water Authority representing 24 member agencies] CS[City of San Diego] COSD[County of San Diego representing 21 Copermittes] end RWMG --- RAC[Regional Advisory Committee 34 agencies and organizations, some with statutory authority over water management] RWMG --- FACC[Tri-County FACC] RAC --- WG[Workgroups focused on specific water resources topics] FACC --- SD[San Diego] FACC --- USM[Upper Santa Margarita] FACC --- SOC[South Orange County] RWMG --- IPM[Interested Parties and Members of the Public] </pre> </div> <p>While the Governance and Financing Workgroup determined that the overall structure of the Program should remain the same, they suggested that the RAC be re-structured to allow for additional participation. The RAC, which was established in 2006, has essentially retained the same membership since that time. Since 2006 there have been several inquiries regarding the RAC and how new</p>

Standard	Responses to Specific Standard Questions
	<p>members can join this advisory body. In response to such inquiries, in December 2012 and early 2013 the Workgroup and RWMG established a process to re-formulate the RAC. This process, which was approved in full by the existing RAC, was successfully completed in January 2013, at which time 13 new members were elected to the RAC. This alteration of the IRWM governance structure will ensure that there continues to be balanced access and opportunity for participation in the IRWM effort.</p> <p>The Governance and Financing Workgroup did not propose changes to the structure of the RWMG or the Tri-County Funding Area Coordinating Committee (FACC). The structure of the RWMG has remained the same since the inception of the IRWM Program, and includes the San Diego County Water Authority, the City of San Diego, and the County of San Diego. The RWMG is organized via an MOU, and a copy of this agreement is included as Appendix 1-2.</p> <p>The Tri-County FACC is comprised of the three IRWM regions within the San Diego Funding Area, including the San Diego, Upper Santa Margarita, and South Orange County IRWM Regions. These regions work collaboratively, via MOU, to balance the necessary autonomy of each planning region to plan at the appropriate scale with the need to improve inter-regional cooperation and efficiency. The Tri-County FACC also ensures close coordination of the three planning regions to improve the quality and reliability of water throughout the span of all three IRWM Regions.</p>
<p>Region Description</p>	<p>Since development of the 2007 IRWM Plan, the region description has not changed significantly. The IRWM boundaries remain consistent with those established in the 2007 IRWM Plan, and are also consistent with those approved by DWR in the 2009 Region Acceptance Process.</p> <p>However, part of the focus of the IRWM Plan Update has been and continues to be participation from regional stakeholders in better articulating the region’s water management issues. As such, throughout the fall of 2012, the RWMG held a series of focused Watershed Workshops throughout the Region to gain watershed-specific information to include in the Region Description. The Region consists of eleven parallel hydrologic units (watersheds), which in many cases have separate and unique features. Respecting this characteristic of the Region, the RWMG decided to hold Watershed Workshops to allow regional stakeholders to provide specific information regarding the key topics, water management issues, and planning priorities of each individual watershed.</p> <p>The information gathered during the Watershed Workshops is currently being compiled into an updated Region Description Chapter. This compiled information will not be significantly different from the information contained within the 2007 IRWM Plan. However, this information will help to define issues and characteristics of the Region at the watershed-scale, which will help to better-define issues and their potential solutions. This information will also help to ensure that issues and characteristics within the Region Description have been updated and refined in a manner such that each watershed is appropriately characterized and presented in the IRWM Plan Update as desired by stakeholders.</p> <p>The Tri-County FACC is also working together to develop common language to describe the two watersheds – Santa Margarita River and San Juan – that cross IRWM regional boundaries. By coordinating on the watershed descriptions, identification of issues and conflicts, and development of priority projects, the Tri-County FACC will ensure sustainable water resources planning within the Funding Area. Because man-made water infrastructure systems are the key water management units in the Funding Area, the planning regions reflect this reality and cross-boundary watershed issues are addressed via a collaborative subcommittee process.</p>
<p>Objectives</p>	<p>The Priorities and Metrics Workgroup (a workgroup of the RAC) was convened five times in 2012 to provide recommendations to the RAC on many aspects of the IRWM Plan Update, including the IRWM Plan objectives. The Priorities and Metrics Workgroup presented a set of recommended revised objectives to the RAC in December 2012, and the RAC made further edits to the objectives. As with the rest of the IRWM Plan Update, the objectives are currently in draft form and are subject to further</p>

Standard	Responses to Specific Standard Questions
	<p>stakeholder review once compiled into the complete public draft 2013 IRWM Plan in Spring 2013. The draft IRWM objectives are presented below with strikethrough editing that demonstrates the proposed changes that were made to the existing IRWM objectives. Two objectives (A and K) were added, and the language for Objectives B, E, G, and H was revised. All proposed changes to the objectives are presented below in red.</p> <p><u>Objective A: Encourage the development of integrated solutions to address water management issues and conflicts.</u></p> <p>Objective B: Maximize stakeholder/community involvement and stewardship <u>of water resources, emphasizing education and outreach.</u></p> <p>Objective C: Effectively obtain, manage, and assess water resource data and information.</p> <p>Objective D: Further scientific and technical foundation of water management.</p> <p>Objective E: Develop and maintain a diverse mix of water resources, <u>encouraging their efficient use and development of local water supplies.</u></p> <p>Objective F: Construct, operate, and maintain a reliable infrastructure system.</p> <p>Objective G: <u>Enhance natural hydrologic processes to reduce the effects of hydromodification and encourage integrated flood management</u> Reduce the negative effects on waterways and watershed health caused by hydromodification and flooding.</p> <p>Objective H: Effectively reduce sources of pollutants and environmental stressors <u>to protect and enhance human health, safety, and the environment.</u></p> <p>Objective I: Protect, restore, and maintain habitat and open space.</p> <p>Objective J: Optimize water-based recreational opportunities.</p> <p><u>Objective K: Effectively address climate change through adaptation or mitigation in water resource management.</u></p>
<p>Resource Management Strategies</p>	<p>As required by the Resource Management Strategies Standard in the 2012 <i>IRWM Grant Program Guidelines</i>, the IRWM Plan Update will consider the resource management strategies (RMS) from the <i>California Water Plan Update 2009</i>. In addition, the IRWM Plan Update will consider additional RMS identified in the 2007 IRWM Plan, and those identified by stakeholders during the IRWM Plan Update stakeholder outreach process.</p> <p>A joint RAC meeting and public workshop was held in August 2012, during which the San Diego IRWM stakeholders discussed all of the RMS included in the <i>California Water Plan Update 2009</i> as well as the additional RMS identified in the 2007 IRWM Plan. Further, the San Diego IRWM stakeholders discussed potential examples of projects through which the various RMS are currently being implemented in the Region. Through this process, stakeholders determined that the following RMS are appropriate for inclusion in the 2013 IRWM Plan Update.</p> <p>Indicates an RMS included in the <i>California Water Plan Update 2009</i>: • Indicates an RMS included in the 2007 IRWM Plan: «</p>

Standard	Responses to Specific Standard Questions
	<ul style="list-style-type: none"> • Agricultural Water Use Efficiency • Urban Water Use Efficiency • Conveyance – Delta • Conveyance – Regional/Local • System Reoperation • Water Transfers • Conjunctive Management & Groundwater • Desalination • Precipitation Enhancement • Recycled Municipal Water • Surface Storage – CALFED • Surface Storage – Regional/Local • Drinking Water Treatment and Distribution • Groundwater and Aquifer Remediation • Matching Quality to Use • Pollution Prevention • Salt and Salinity Management • Urban Runoff Management • Agricultural Lands Stewardship • Economic Incentives (Loans, Grants, and Water Pricing) • Ecosystem Restoration • Land Use Planning and Management • Recharge Areas Protection • Water-dependent Recreation • Watershed Management • Flood Risk Management « Stakeholder/Community Involvement « Water Resources Data Collection, Management, and Assessment « Scientific and Technical Water Quality Management Knowledge Enhancement
<p>Integration</p>	<p>The San Diego IRWM Program is committed to integration in both the planning process and in project formulation and implementation, and recognizes that integration is a fundamental component of IRWM planning. The IRWM Plan Update process has focused on allowing, encouraging, and actively pursuing integration both in the planning process and in the project development process.</p> <p>According to the 2012 <i>IRWM Grant Program Guidelines</i>, integration generally means combining separate pieces into an efficiently functioning unit. During the IRWM Plan Update process, the Priorities and Metrics Workgroup (refer to the Objectives section above) was asked to discuss integration and what this concept means to the San Diego IRWM Program (planning process). The Priorities and Metrics Workgroup determined that with respect to the IRWM Program, integration refers to the five following aspects: partnerships, resource management, beneficial uses, geography, and hydrology. These five integration concepts, which are defined below, will be integrated into the IRWM Plan Update such that they are encouraged and actively pursued in the San Diego IRWM planning process.</p> <ul style="list-style-type: none"> • Partnership Integration: Establishing partnerships between different organizations can be cost effective by increasing data sharing, resources, and infrastructure. • Resource Management Integration: Employing multiple resource management strategies within a single project can effectively address a variety of issues. • Beneficial Use Integration: Project solutions can be implemented to support several different beneficial uses. • Geographical Integration: Implementing watershed-or regional-scale projects can benefit from economies of scale. • Hydrological Integration: Addressing different components of the hydrologic cycle. <p>In the project formulation and implementation process, integration will be encouraged and actively pursued by multiple methods. As part of the Proposition 84-Round 2 Implementation Grant project selection process, the RWMG held a Strategic Integration Workshop in advance of the formal Call for Projects. During this process, IRWM stakeholders were asked to submit project concepts that could potentially be integrated with other project concepts to formulate more strategically integrated projects. At the Workshop, project proponents were given copies of all project concepts that were submitted and both large-group presentations and breakout groups were used to encourage discussion and collaboration among stakeholders. This process was considered highly effective, and resulted in integration of several project components in this funding application. The IRWM Plan Update will</p>

Standard	Responses to Specific Standard Questions
	<p>include a description of the Strategic Integration Workshop as a tool to continue employing during future rounds of IRWM grant funding.</p>
<p>Project Review Process</p>	<p>As with the rest of the IRWM Plan Update components, the project review process is currently under development by the Region’s stakeholder workgroups. The Priorities and Metrics Workgroup (refer to the Objectives section above) met with the Proposition 84-Round 2 Project Selection Workgroup after the current project selection process was completed, in order to identify process strengths and proposed changes for future rounds of IRWM grant funding. The joint Workgroup meeting resulted in support for the current overall process, which includes the Strategic Integration Workshop (see Integration section above), Call for Projects through the online project database, convening of a Project Selection Workgroup, and RAC approval of the recommended project package. However, suggestions were made to improve the project database entries, allow for more stakeholder input in the scoring process, and allow the top scoring projects to be interviewed by the Workgroup.</p> <p>A Climate Change Workgroup was convened three times in 2012 to discuss and provide input on the <i>Climate Change Planning Study</i> that was conducted for the IRWM Plan Update. Through this process, San Diego IRWM stakeholders discussed how climate change vulnerabilities and greenhouse gas emissions could be considered in the project review process. The Climate Change Workgroup completed a robust climate change vulnerabilities analysis, within which they identified potential climate change vulnerabilities within the Region and ranked those vulnerabilities in terms of “high”, “medium”, and “low” applicability and importance to the Region. The Workgroup also evaluated the Resource Management Strategies (RMS) in the <i>California Water Plan Update 2009</i>, and created information regarding which RMS may help the Region adapt to potential climate change vulnerabilities.</p> <p>Although the project review process that will be included in the IRWM Plan Update has not been finalized, this process in its current form will consider climate change vulnerabilities and greenhouse gas emissions in the following ways:</p> <ul style="list-style-type: none"> • Objective K: As discussed above in the Objectives section, the San Diego IRWM Region has tentatively chosen to add an objective regarding climate change. As with the other IRWM objectives, all projects evaluated as part of the project review process will be analyzed to determine if they will help the Region meet this objective. • Resource Management Strategies: The project selection process currently includes an analysis to determine if projects will help to implement the RMS included in the <i>California Water Plan Update 2009</i>. It is anticipated that the project review process will continue to include this analysis, and may also specifically consider those RMS that the Climate Change Workgroup has determined may help the Region adapt to climate change vulnerabilities. • Greenhouse Gas Emissions: Projects may be evaluated qualitatively during the project selection process for their relative greenhouse gas (GHG) emissions during construction and operation. Given the potential technical difficulty of implementing GHG emissions analysis for all projects, this process needs to be vetted and determined how to implement. <p>In advance of each funding cycle, the Tri-County FACC works together to identify priority projects within the shared watersheds. While the IRWM Plan Update will acknowledge that each planning region has its own stakeholder-based project review and selection process, this coordination effort is intended to ensure that watershed-scale issues are identified and addressed.</p>

Standard	Responses to Specific Standard Questions
Technical Analysis	<p>During development of the 2007 IRWM Plan, San Diego IRWM stakeholders identified that establishing a regional, web-based data management system (Data Management System) was a short-term priority that was necessary to address immediate data needs and gaps of the Region. It was recognized that while there is a multitude of monitoring and sampling programs in place throughout the Region, the degree to which data generated by such efforts is shared varies. The result can be duplication of data collection efforts or the failure to identify and address significant gaps in data collection and analysis. The idea is that a web-based system will make data instantly available to interested stakeholders and will facilitate data sharing by transmitting data through user-friendly features. Rather than relying on agency-to-agency data transfers, the web-based system can act as a central clearinghouse for information.</p> <p>Work to begin the necessary regional Data Management System (DMS) is currently underway, and is being partially funded by DWR through a Proposition 84-Round 1 Implementation Grant. Considerable data and information have been, and are being, compiled for the IRWM Plan Update. Such data and information includes data compiled through the various planning studies, stakeholder outreach efforts (workshops, meetings, etc.), and data and information that was compiled to complete the Region Description section of the IRWM Plan Update. To the extent practical, this data and information will be incorporated into the DMS to help fill identified data gaps and increase information sharing within the Region. In the meantime, this information has been made available on the San Diego IRWM website: www.sdirwmp.org.</p>
Relation to Local Water Use Planning	<p>Coordination with local water use planning efforts is already considered extensive, as many components of the IRWM Plan are based upon the water demands, supplies, and other information included in the Region’s Urban Water Management Plans (UWMPs – for water supply), Watershed Urban Runoff Management Plans (WURMPs – for water quality), and Watershed Management Plans (WMPs – for natural resources). The IRWM Plan Update effort has involved further coordination with the Region’s water management agencies and specific departments within those agencies that prepare UWMPs, WURMPs, and WMPs to ensure that the IRWM Plan Update effort is coordinated and contains up-to-date information.</p>
Relation to Local Land Use Planning	<p>Two stakeholder workshops were convened in 2012 to support preparation of a <i>Land Use and Water Management Planning Study</i>, which was completed in March 2013. The results of this study will be incorporated into several sections of the IRWM Plan Update, but will be discussed in detail in the chapter regarding Regional Coordination. The existing IRWM Plan will be modified via the Update to incorporate recommendations from the <i>Land Use and Water Management Planning Study</i> that strive to improve coordination with local water use planning efforts. The IRWM Plan Update will be modified in the following ways in order to include actions that could improve coordination with local water use planning efforts.</p> <ul style="list-style-type: none"> • Regional Coordination: Several sections of the Regional Coordination chapter may be modified to include information about how the Region could potentially improve coordination with local water use planning efforts. Such modifications will be included in the form of a summary of the <i>Land Use and Water Management Planning Study</i>. • Project Selection Process: The <i>Land Use and Water Management Planning Study</i> identified several ways in which the project selection process could be updated to improve coordination with local water use planning efforts, including: <ul style="list-style-type: none"> ○ Prioritize projects that allow municipalities to fund updates to their general plans to incorporate water resource policies modeled in the Land Use and Water Management Planning Study or develop a water resources element. ○ Prioritize projects that aim to create a GIS-based resource guide to all agencies, organizations, and stakeholders responsible for or involved in water management and

Standard	Responses to Specific Standard Questions
	<p>land use planning for the Region.</p> <ul style="list-style-type: none"> ● Framework for Implementation: The implementation sections of the IRWM Plan may be modified to include updated short-term and long-term priorities. There are potential priorities associated with improving coordination with local water use planning efforts, including: <ul style="list-style-type: none"> ○ Building relationships with professional associations to share information through workshops, webinars, lunch sessions, etc. ○ Utilizing existing groups to disseminate key information and support an integrated approach to water resources management and land use decision-making processes. ○ Utilizing social media, pertinent websites, and other sources to share key information with land use officials, planners, and water resources managers.
Stakeholder Involvement	<p>The RAC is the foundation of Stakeholder Involvement in the Region, and guides the San Diego IRWM Program through its input and involvement. The RAC is comprised of stakeholders representative of key groups or interests in the Region. The current stakeholder process is considered effective, and is based upon the <i>Stakeholder Outreach and Involvement Plan</i> originally established as part of the 2007 IRWM Plan. In 2012, the RWMG prepared an update to the <i>Stakeholder Outreach and Involvement Plan</i> to ensure that effective input was received throughout the Plan Update process. Since then, the Region has taken efforts to improve coordination with all stakeholders, but in particular with watershed-based groups, with disadvantaged communities (DACs), and with tribal communities as part of the IRWM Plan Update effort. Further outreach to the DACs is largely being completed through directed outreach meetings, which are held at strategic points throughout the IRWM Plan Update process. Further outreach to the tribal community has occurred through specific tribal meetings, which were conducted to address tribal concerns about involvement in the IRWM Planning process, and to receive specific input and information for the IRWM Plan Update. Lastly, the Region has undertaken an effort to reach out to the Region’s watershed-based stakeholders through a series of focused Watershed Workshops that were held in the fall of 2012. More general stakeholder and public input has been garnered through a series of joint RAC meetings and public workshops throughout 2012 and 2013. Information received through the aforementioned stakeholder outreach efforts will be incorporated into the IRWM Plan Update. The Update will also include commitments to continue ensuring a robust stakeholder involvement process continues after the planning process is completed. The RWMG intends to maintain ongoing bi-monthly RAC meetings to facilitate information sharing across water management sectors in the Region.</p>
Coordination	<p>As part of the IRWM Plan Update process, the RWMG has made improvements to the regional coordination process. As documented through the Tri-County FACC, the coordination process within the Region and between neighboring IRWM regions is already considered robust. However, improvements to the coordination process will include broad-based stakeholder efforts such as the Watershed Workshops and the IRWM Summit, which were held to bring together regional and interregional stakeholders and gain input from these stakeholders in a collaborative manner. Further, the Region is continuing to hold regular meetings with the Tri-County FACC to coordinate with neighboring IRWM efforts and discuss any ongoing water management conflicts. Lastly, the Region is also coordinating with State agencies, and has, for example coordinated extensively with DWR on the <i>Flood Futures Report</i> to ensure that this process is coordinated with the Region’s integrated flood management efforts.</p>
Climate Change	<p>The IRWM Plan Update will contain robust information regarding climate change (see discussion in Project Review Process section above). The IRWM Plan Update included a specific <i>Climate Change Planning Study</i> and stakeholder outreach effort, which involved holding three stakeholder meetings to develop information for the planning study. The Climate Change Workgroup completed a vulnerability assessment of the IRWM Region that was at least equivalent to the qualitative check list assessment in the <i>Climate Change Handbook for Regional Water Planning</i>. The Climate Change Workgroup also</p>

Standard	Responses to Specific Standard Questions
	conducted a prioritization exercise to prioritize those climate change vulnerabilities that apply to the Region in terms of “high”, “medium”, and “low” priority. Further, the climate change planning study includes detailed information (a methodology) for further data gathering and analyzing of the prioritized climate change vulnerabilities.

IRWM Plan Compliance

Projects included within this grant proposal are part of the 2007 IRWM Plan and the draft 2013 IRWM Plan Update. As amended January 13, 2010, the 2007 IRWM Plan allows for periodic updates to the list of water management projects as new funding opportunities arise (see Appendix 1-3) or generally for inclusion in the plan. The San Diego IRWM project list is currently hosted online at: <http://irwm.rmcwater.com/sd/login.php>.

DWR stipulates that grants are only available for projects included in an IRWM Plan that meets a series of conditions. The following sections detail how the 2007 IRWM Plan and/or the draft 2013 IRWM Plan Update meet the necessary conditions set forth by DWR.

1. The 2013 IRWM Plan Update, although not currently completed, will comply with all provisions set forth in Part 2.2 of Division 6 of the CWC, commencing with §10530. Please note that the 2007 IRWM Plan is in compliance with the 2002 Integrated Regional Water Planning Act (previously CWC §10530), which was repealed and replaced in 2008.
2. The 2007 IRWM Plan meets the condition of being adopted before September 30, 2008. The RWMG has entered into a binding agreement with DWR to update the 2007 IRWM Plan by October 31, 2013 in accordance with a Proposition 84 Planning Grant contract that was executed with DWR on September 16, 2011. This update will be such that the IRWM Plan Update will meet the IRWM Plan standards contained in the 2012 *IRWM Grant Program Guidelines* and will take into account water-related needs of disadvantaged communities (DACs) within the Region. As such, the RWMG will update the 2007 IRWM Plan to adhere to the *IRWM Grant Program Guidelines* within two years of the execution date of the agreement (Proposition 84-Round 2 Implementation Grant Agreement), which is expected to occur on October 1, 2013. Please note that as the 2007 IRWM Plan was not adopted on or after September 30, 2008, the plan is not included within this proposal for review. The 2007 IRWM Plan can be downloaded from the program website at: <http://sdirwmp.org/2007-irwm-plan>.
3. The 2007 IRWM Plan and the draft 2013 IRWM Plan Update both contain programs and projects that will help to reduce dependence on imported water supplies, which are sourced in part from the Sacramento-San Joaquin Delta (Delta). The degree to which specific projects contained within this proposal will help to reduce dependence on the Delta is detailed in Attachment 13.
4. As indicated previously, the Region received a Proposition 84 Planning Grant that is assisting the Region in completing the 2013 IRWM Plan Update. The Planning Grant contract was executed between DWR and the Water Authority on September 16, 2011, and the Water Authority is currently in compliance with the Planning Grant Agreement. The Water Authority is submitting quarterly progress reports, is on schedule to complete the IRWM Plan Update, and work is being completed within the terms of the Planning Grant budget.

Consistency with Adopted IRWM Plan

Projects included within this grant proposal are part of the 2007 IRWM Plan and the draft 2013 IRWM Plan Update. As amended January 13, 2010, the 2007IRWM Plan allows for periodic updates to the list of water management projects as new funding opportunities arise (see Appendix 1-3). The draft 2013 IRWM Plan Update includes similar provisions such that the projects included in the San Diego IRWM project list are also considered part of the 2013 IRWM Plan Update. The San Diego IRWM project list is currently hosted online at: <http://irwm.rmcwater.com/sd/login.php>.

The IRWM project list is available ‘live’ on the online project database for project sponsors to review and update at any time. Any project sponsor may submit a project for inclusion in the Plan and/or an

upcoming grant opportunity. This makes it easier for sponsors to add or revise projects, integrate their projects with others, or add additional features so the projects provide multiple benefits. As funding opportunities are pursued, the RWMG announces a new Call for Projects with a submittal deadline. A Project Selection Workgroup is then established by the RAC to review, score, and tier the submitted projects and recommend which ones to include within a specific grant application. All grant applications, including the proposed funding package, are submitted to the RAC for its consideration and recommendation. The ultimate approval of the application and funding package lies with the Water Authority's Board of Directors, the agency authorized to submit grant applications on behalf of the RWMG.

The Proposition 84-Round 2 Project Selection Workgroup selected by the RAC in 2012 extensively reviewed and ranked all projects submitted to the online project database by our October 19, 2012 deadline. Each project submitted by October 19, 2012 was ranked using the *Prop 84-Round 2 Project Selection Workgroup Suggested Criteria for Workgroup Consideration* (Appendix 1-3), which was developed and approved through an open and transparent process at a RAC meeting. Each project submitted within this grant proposal was prioritized and recommended by the Project Selection Workgroup, with the final recommendation regarding the funding package voted upon by the RAC on December 4, 2012. Appendix 1-3 also contains the recommended package of projects that was put together by the Project Selection Workgroup, and meeting notes from the RAC meeting where the funding package was voted upon.

Section F of the 2007 IRWM Plan and Chapter 7 of the draft 2013 IRWM Plan Update describes the prioritization process used to identify a top tier of priority projects. The projects included in this proposal were ranked using the adopted 2007 IRWM Plan criteria as discussed below. While this process ranked projects based on ability to address regional objectives and other criteria, the process does not identify specific groups of projects for which funding should be sought. The reason for this is twofold: 1) prioritizing projects for a specific funding application in the Plan would limit the versatility of the prioritization process for use in identifying projects for future funding opportunities and 2) as the IRWM Plan is intended to be a living document, the prioritization process should remain flexible, such that it may be adapted to changing regional needs.

A supplemental prioritization process is implemented to identify appropriate projects from the Tier 1 project list to be included in future funding applications as they arise. This process was used in the selection of projects for this *San Diego IRWM Implementation Grant Proposal – Round 2*. The details of this process are fluid, and should reflect the specific needs and requirements of the given funding opportunity. The following were updated by the RAC in September 2012 to help the Project Selection Workgroup to prioritize high priority projects for inclusion in this grant proposal.

- *IRWM Plan Objectives*. Select projects that contribute to the attainment of IRWM Plan objectives.
- *Legal, Scientific, and Technical Feasibility*. Select projects that are well supported from a technical standpoint based on supporting studies and data.
- *Budget*. Select projects that have well-developed budgets and exhibit reasonable costs.
- *Readiness to Proceed*. Select projects that will be ready to proceed by December 2014.
- *Contribution to Measurable Targets*. Select projects that contribute to IRWM Plan targets.
- *Cost-effectiveness*. Select projects that are cost-effective in both the short- and long-term, and provide quantifiable benefits to the Region.
- *Benefits DACs*. Select projects that address the critical water supply and water quality needs of Disadvantaged Communities (DACs).
- *Benefits Tribes*. Select projects that address the water resources needs of San Diego area tribes.
- *Integration*. Review integration potential using pre-defined types of integration – Partnerships, Management Strategies, Beneficial Uses, Geographic, and Hydrologic.

As appropriate, the Project Selection Workgroup incorporated these prioritization criteria to narrow the pool of high priority projects from the Plan-level prioritization and develop funding applications. These criteria may be applied in multiple ways. Some prioritization criteria are essential to a project's success in

achieving the Region's objectives and/or being eligible for funding, and others are necessary to ensure that Regional projects also line up with the State's Program Preferences. The criteria used, and precise methods for applying the criteria, are determined by the Project Selection Workgroup designated by the RAC for each specific funding opportunity.

Proposed Funding Package

As described above, the Project Selection Workgroup used the 2007 IRWM Plan as its guidebook in evaluating and selecting projects for this *San Diego IRWM Implementation Grant Proposal – Round 2*. All projects proposed within this funding package are consistent with and help to implement both the goals and objectives in the 2007 IRWM Plan and the draft goals and objectives laid out in the draft 2013 IRWM Plan Update. Table 1-2 (below) provides an overview of the 2013 draft IRWM Plan Update goals and objectives and Table 1-3 (below) demonstrates that all of the projects included within this proposal would directly meet multiple objectives. The proposed funding package includes:

Project 1: North San Diego County Region Recycled Water Project (NSDCRRWP) – Phase II. This project is the second phase of a plan by North San Diego County water and wastewater agencies to regionalize recycled water systems that identifies new agency interconnections, seasonal storage opportunities and indirect potable water uses that will maximize supplies, reduce wastewater discharges to ocean, potentially reduce energy consumption due to diminished delivery of imported water, and allow recycled water to play an even more significant role in meeting future water needs. This phase of the project will construct many of the pipelines, storage tanks, pumps, and connections identified in Phase I.

Project 2: Turf Replacement and Agricultural Irrigation Efficiency Program. This project will expand an outreach and rebate program targeted to urban and agricultural water users that will encourage customers to replace turf with more water efficient landscaping. It will also implement an education and rebate program to encourage increased irrigation efficiency and convert agriculture lands from potable to recycled water.

Project 3: Rural Disadvantaged Community (DAC) Partnership Program. This project will provide funding to address inadequate water supply and water quality affecting rural DACs, including tribal communities. The project will reduce potential for high public health risks in water and/or wastewater systems. The project will promote environmental justice in rural communities by providing outreach to rural DACs for available infrastructure projects, while promoting IRWM goals. RCAC will manage the Proposition 84 grant funds to facilitate implementation of infrastructure upgrades that protect rural DACs from public health hazards associated with aging or failing water facilities.

Project 4: Failsafe Potable Reuse at the Advanced Water Purification Demonstration Facility. This project will develop and test a failsafe treatment train for potable reuse without an environmental buffer. The data gathered through this process may be used by the California Department of Public Health (CDPH) in assessing the future potential of direct potable reuse facilities.

Project 5: Sustaining Healthy Tributaries to the Upper San Diego River and Protecting Local Water Supplies. This project will protect and restore a key segment of Boulder Creek upstream of the El Capitan Reservoir. It will protect and restore 3,000 feet of functioning riparian habitat and associated buffer habitat along Boulder Creek, and collect data to use as a baseline for other streams in the San Diego River watershed. This project will also conduct education and outreach to backcountry areas, including tribal communities, about invasive species and their impacts on watershed habitats.

Project 6: Chollas Creek Integration Project Phase II. This project will improve water quality and prevent flooding through (1) engineered modifications to the channel via installation of headwalls and drop structures that will modify creek flow and prevent erosion, (2) contaminate uptake and natural filtration through invasives removal and restoration with native species, and (3) engagement of community volunteers in water quality monitoring and hands-on watershed education. The project improves and maintains Chollas Creek as a natural urban drainage system that serves as a major conduit for stormwater runoff in the Encanto DAC.

Project 7: Implementing Nutrient Management in the Santa Margarita River Watershed – Phase II. The project aims to establish nutrient water quality goals for the Santa Margarita River (SMR) Estuary (Phase I) and the SMR River (Phase II) that may lead to development of nutrient site-specific objectives

by the San Diego Regional Water Quality Control Board (RWQCB) in the main stem of the river that are protective of beneficial uses. The project consists of three major activities: facilitate discussions among a SMR watershed stakeholder group to guide project activities, conduct monitoring and special studies, and develop nutrient water quality goals for the Lower SMR.

Table 1-2: Draft 2013 San Diego IRWM Plan Update Goals and Objectives

IRWM Plan Objective	Primary IRWM Plan Goals Implemented by Objective			
	Goal 1: Improve the reliability and sustainability of regional water supplies	Goal 2: Protect and enhance water quality	Goal 3: Protect and enhance our watersheds and natural resources	Goal 4: Promote and support integrated water resource management
A Encourage the development of integrated solutions to address water management issues and conflicts	○	○	○	●
B Maximize stakeholder/community involvement and stewardship of water resources, emphasizing education and outreach	○	○	●	●
C Effectively obtain, manage, and assess water resource data and information	○	○	○	●
D Further the scientific and technical foundation of water quality management	○	○	●	●
E Develop and maintain a diverse mix of water resources, encouraging their efficient use and development of local water supplies	●			○
F Construct, operate, and maintain a reliable water infrastructure system	●			○
G Enhance natural hydrologic processes to reduce the effects of hydromodification and encourage integrated flood management		●	○	○
H Effectively reduce sources of pollutants and environmental stressors to protect and enhance human health and safety and the environment		●	○	○
I Protect, restore and maintain habitat and open space	○	○	●	○
J Optimize water-based recreational opportunities		○	○	●
K Effectively address climate change through adaptation or mitigation in water resource management	●	●	●	○

- Primary IRWM Plan goal targeted by objective
- Additional IRWM Plan goals targeted by objective

Table 1-3: Consistency of Proposed Projects with IRWM Plan Objectives

Proposal Projects		IRWM Plan Objectives Addressed										
		A	B	C	D	E	F	G	H	I	J	K
1	North San Diego County Regional Recycled Water Project (NSDCRRWP) – Phase II	●	○	●		●	●		●			○
2	Turf Replacement and Agricultural Irrigation Efficiency Program	●	●	●		●			●			○
3	Rural Disadvantaged Community (DAC) Partnership Program	●	●	○	●	●	●		○			●
4	Failsafe Potable Reuse at the Advanced Water Purification Demonstration Facility	●	○	●	●	○			○			○
5	Sustaining Healthy Tributaries to the Upper San Diego River and Protecting Local Water Supplies	●	●	●	●	○		●	●	●	○	
6	Chollas Creek Integration Project Phase II	●	●	●	○			●	●	●		
7	Implementing Nutrient Management in the Santa Margarita River Watershed – Phase II	●	●	●	●							

● = directly related; ○ = indirectly related

Appendix 1-2: Water Authority Resolution

Attachment 1

RESOLUTION No. 2013-03

**RESOLUTION OF THE BOARD OF
DIRECTORS OF THE SAN DIEGO COUNTY
WATER AUTHORITY AUTHORIZING
THE GENERAL MANAGER TO SUBMIT A
PROPOSITION 84, ROUND 2, IRWM IMPLEMENTATION
GRANT APPLICATION**

WHEREAS, Proposition 84, the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Public Resources Code section 75001 *et seq.*), authorized the California Legislature to appropriate \$1 billion to encourage integrated regional water management planning in California; and

WHEREAS, Section 83002(b)(3)(A)(i) of the California Water Code appropriated to the Department of Water Resources (DWR) funds for integrated regional water management (IRWM) planning grants and other purposes; and

WHEREAS, DWR has made these funds available through a grant program that allocates specific amounts of money to 11 funding areas located throughout California, including the San Diego Funding Area; and

WHEREAS, grant application procedures established by DWR require applicants to provide a copy of a resolution adopted by the applicant's governing body designating an authorized representative to file an application for an IRWM implementation grant; and

WHEREAS, achieving IRWM grant funding will help to achieve the regional water supply goals established in the Water Authority's 2010 Urban Water Management Plan; and

WHEREAS, the San Diego Regional Water Management Group (RWMG), in close cooperation with the Regional Advisory Committee (RAC), is preparing an application for a Proposition 84, Round 2, grant to further water supply reliability, water quality enhancement, natural resources stewardship, and water resource management in the region; and

WHEREAS, on December 5, 2012, the RAC recommended that the Water Authority Board authorize submittal of the San Diego Region's application for a Proposition 84, Round 2, implementation grant; and

WHEREAS, the memorandum of understanding that established the San Diego IRWM Program identifies the Water Authority as the program's authorized representative; and

WHEREAS, the Water Authority Board of Directors is the decision-making body for the Water Authority; and

WHEREAS, the Board of Directors has considered numerous reports submitted by Water Authority staff on IRWM planning.

NOW, THEREFORE, the Board of Directors of the San Diego County Water Authority resolves the following:

1. The foregoing facts are true and correct.
2. The General Manager is authorized to prepare the necessary data, conduct investigations, and submit a Proposition 84 implementation grant application.
3. The General Manager is authorized to enter into an agreement to receive a Proposition 84, Round 2, implementation grant from the California Department of Water Resources.

PASSED, APPROVED AND ADOPTED, this 24th day of January, 2013, by the following vote:

AYES: Unless noted below, all Directors present voted aye.

NOES: None

ABSTAIN: None

ABSENT: Arant, Boyle (p), Croucher (p), Lewinger, Morrison, Steiner, Tu, and Wight.



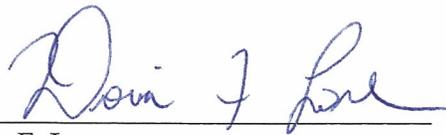
Thomas V. Wornham
Chair

ATTEST:



Michael T. Hogan
Secretary

I, Doria F. Lore, Clerk of the Board of the San Diego County Water Authority, certify that the vote shown above is correct and this Resolution No. 2013- 03 was duly adopted at the meeting of the Board of Directors on the date stated above.



Doria F. Lore
Clerk of the Board

San Diego Integrated Regional Water Management Program Recommended Prop 84-Round 2 Grant Project List

Project Title	Project Sponsor	Functional Area	Project Summary	Recommended Grant Amount
Failsafe Potable Reuse at the Advanced Water Purification Demonstration Facility	WateReuse Research Foundation	Water Supply	This project will provide comprehensive testing, evaluation and demonstration of failsafe treatment trains for potable reuse without environmental buffers. Highlighted by a workshop on hazard analysis, critical control points, and redundancy requirements, this project will convene national and international health, treatment and water quality experts to establish an appropriate framework for demonstration of failsafe potable reuse at the City of San Diego's demonstration facility. The WateReuse Research Foundation is actively funding nearly \$3M in research to better develop potable reuse as a supplemental water supply. This project leverages the expertise from those investments and combines them to demonstrate a failsafe potable reuse train for acceptance by Department of Public Health under the SB 918 process.	\$2,113,000
Rural Disadvantaged Community (DAC) Partnership Project – Phase II	Rural Community Assistance Corporation (RCAC)	Water Supply	RCAC will manage a fund that is to be disbursed to DACs for project development and construction. RCAC will assist rural DACs with project development, project oversight and access to resources, including financial resources. The DAC projects selected for Phase II funding will include both tribal and non-tribal projects such as Los Coyotes San Ysidro Water System water main replacement, La Jolla Eastern Water System water tank replacement, San Pasqual District B Water System water tank replacement) Rancho Estates MWC new well and finished water storage, Pauma Valley Water Co. new well and finished water storage, Phoenix House new well, and Descanso CWD pipeline replacement.	\$1,887,000
North San Diego County Regional Recycled Water Project (NSDCRRWP) – Phase II	Olivenhain Municipal Water District	Water Supply – Recycled Water	NSDCRRWP Phase II builds on the successful partnerships established during the planning and design activities in NSDCRRWP Phase I by implementing multiple construction components of the regional recycled water supply and distribution system. Phase II includes construction of projects such as distribution pipelines, recycled water pump stations, interties between individual agency systems, and further exploration of linking the regional system. Phase II will cumulatively produce an estimated 6,805 AFY of recycled water. Phase II will involve multiple sub-projects associated with the partners included in this effort (Leucadia Wastewater District, Vallecitos Water District, Vista Irrigation District, Rincon del Diablo MWD, Olivenhain MWD, Santa Fe Irrigation District, Carlsbad MWD, City of Escondido, City of Oceanside, San Elijo JPA).	\$3,452,000

Project Title	Project Sponsor	Functional Area	Project Summary	Recommended Grant Amount
Sustaining Healthy Tributaries to the Upper San Diego River and Protecting Local Water Supplies	San Diego River Park Foundation	Natural Resources and Watersheds	This project seeks to take an integrated approach to conserving healthy cold water streams through monitoring, field assessments, focused studies, on-the-ground restoration, data integration, and public education and involvement. El Capitan Reservoir is the largest local supply of water in the region. Since Boulder Creek drains into El Capitan Reservoir, any reduction of pollution reduces treatment costs. Any reduction of sedimentation reduces the resulting reduction in carrying capacity at the Reservoir. Through integration with partners and to bring a more holistic approach, the project has been expanded to include field surveys, monitoring, bio assessments, education, and stewardship components. Education elements include outreach to private land owners and 3 Indian Tribes in the area to reduce pollutant loading and better manage watershed lands.	\$521,000
Turf Replacement and Agricultural Irrigation Efficiency Program	San Diego County Water Authority	Water Supply – Conservation	This regional program will promote outdoor water use efficiency in the residential and commercial sectors by providing financial incentives to replace turf grass with water-wise plant material and to upgrade overhead sprinkler irrigation systems to low-application rate/high-efficiency irrigation systems. The program will also offer incentives to agricultural customers to retrofit on-site potable irrigation systems as well as water use “audits” geared to give information and assistance to growers in their efforts to adopt techniques and methods that increase water use efficiency without jeopardizing crop productivity. All qualified retail water customers within the San Diego County Water Authority’s service area, as well as the California American Water service area of Coronado and Imperial Beach, will be eligible to participate in the program. The Water Authority is partnering with the city of San Diego and Mission Resource Conservation District to implement this project.	\$538,000
Implementing Nutrient Management in the Santa Margarita River Watershed – Phase II	County of San Diego	Water Quality/ Stormwater	This project is the continuation of the Implementing Nutrient Management in the Santa Margarita River Watershed - Phase I. The project aims to continue to facilitate the Stakeholder Advisory Group (began during Phase I), continue the core monitoring and special studies to address data gaps identified by stakeholders to achieve project objectives, and to partner with the RWQCB staff in the development of nutrient WQOs for the Santa Margarita River and Estuary.	\$980,000
Chollas Creek Integration Project – Phase II	Jacobs Center for Neighborhood Innovation	Water Quality/ Stormwater	The project improves water quality through: engineering modifications to slow creek flow and prevent erosion and flooding; contaminate uptake and natural filtration through restoration with native species of six acres; obtaining a streamlined process for CEQA and regional permitting that supports the on-going, long-term invasive removal and restoration; community engagement in social values research; and citizen science and water quality sampling. Phase II completes construction activities and habitat restoration delineated in Phase I at Northwest Village.	\$500,000

Project Title	Project Sponsor	Functional Area	Project Summary	Recommended Grant Amount
Grant Administration	San Diego County Water Authority		The Water Authority will administer the grant through an agreement with DWR. The Water Authority also will enter into agreements with each project proponent to ensure compliance with State grant requirements. Water Authority staff will review and compile invoices and reports for the State and will receive funding from DWR and disburse it to project proponents	\$309,000
Total				\$10,300,000

Appendix 1-2: RWMG MOU

**MEMORANDUM OF UNDERSTANDING
BETWEEN CITY OF SAN DIEGO
COUNTY OF SAN DIEGO, and SAN DIEGO COUNTY WATER AUTHORITY
for the
INTEGRATED REGIONAL WATER MANAGEMENT PROGRAM
For Fiscal Years 2012-2016**

This Memorandum of Understanding (MOU) between the San Diego County Water Authority (Water Authority); the City of San Diego, a municipal agency (City); and the County of San Diego, a political subdivision of the State of California (County), sets forth the respective roles of Water Authority, City and County in regard to the Integrated Regional Water Management (IRWM) Plan and Program. Water Authority, City and County are sometimes referred to in this MOU collectively as the "Parties" and individually as "Party."

This MOU replaces the Memorandum of Understanding (March 25, 2009), as amended, between City, County, and Water Authority for Fiscal Years 2009-2013 for the IRWM Grant Program.

RECITALS:

1. The California Legislature enacted SBX2 1 (Perata, Chapter 1 Statutes of 2008), the Integrated Regional Water Management Planning Act, which repealed and re-enacted Part 2.2 of Division 6 of the Water Code relating to integrated regional water management plans. SBX2 1 provides that a regional water management group may prepare and adopt an integrated regional water management (IRWM) plan.
2. In November 2002, Proposition 50, the Water Security, Clean Drinking Water, Coastal and Beach Protection Act, authorized the Legislature to appropriate funding for competitive grants for IRWM projects.
3. In November 2006, Proposition 84, the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Act, authorized the Legislature to appropriate funding for competitive grants for IRWM projects.
4. The intent of the IRWM Grant Program (Program) established in accordance with Proposition 50 and SBX2 1, is to encourage integrated regional strategies for management of water resources and to provide funding, through competitive grants, for projects that protect communities from drought, protect and improve water quality, promote environmental stewardship, and improve local water security by reducing dependence on imported water.
5. To qualify as a regional water management group (RWMG) and comply with the Program Guidelines (Guidelines) established under Proposition 50 and SBX2 1, at least three agencies must participate in the group; two of the agencies must have statutory authority over

water management that may include water supply, water quality, flood control, or stormwater management.

6. In 2005, the Parties established an RWMG that consists of Water Authority, which has statutory authority over water management; City, which has statutory authority over water management, water quality, wastewater, flood management and stormwater; and County, which has statutory authority over water quality, stormwater and flood control in the unincorporated area.

7. The Parties understand that only through a collaborative effort with the many stakeholders involved in water management planning can the IRWM Plan process be successful in the San Diego region.

8. As part of the public outreach and stakeholder involvement effort, the Parties established the Regional Advisory Committee (RAC), which comprises up to 32 representatives appointed by the Parties from the water management areas of water supply, water quality and natural resources/watersheds management; and representatives of businesses, academia and tribes, as well as other interested members of the public. The purpose of the RAC is to make recommendations to the Parties on key issues related to IRWM planning and grant applications.

9. The Parties, acting with positive recommendations from the RAC, completed the first San Diego IRWM Plan (Plan) in 2007. Subsequently, the Parties have received funding for planning and implementation of projects from the California Department of Water Resources (DWR). Additional funding is available to the San Diego IRWM Program from Proposition 84, approved by California voters in 2006.

10. To qualify for Proposition 84 IRWM funding, a planning region must have an IRWM Plan that complies with the requirements of California Water Code Section 83002(b)(3)(B), or must have committed to bringing its plan into compliance within two years of receiving such funding.

11. A Local Project Sponsor (LPS) is a proponent of an individual project that will be funded as part of an IRWM Program grant from the State or other future funding agencies. An LPS may be Water Authority, County, City, a Water Authority member agency, a municipality, a local agency or a non-profit organization.

12. This MOU consists of five major components: general grant obligations, San Diego IRWM Plan update, IRWM grant administration, the role of the RAC, and funding for IRWM Program management.

Now, therefore, in consideration of the above incorporated recitals and mutual obligations of the Parties herein expressed, the Parties agree as follows:

1. General Grant Obligations

- a. The Parties are equal partners in the development and submission of IRWM grant applications. All Parties shall provide timely reviews and approvals before grant

applications are submitted.

- b. Water Authority shall submit the grant applications to the funding agency on behalf of the Parties.
- c. To expedite the grant application process, Water Authority shall provide initial funding for a consultant to develop the applications. The total cost of the consultant and applications shall be shared by the parties consistent with Section 5 of this MOU.
- d. The funding commitment by the Parties under Section 5 of this MOU assumes that the Parties will continue to pay or provide in-kind services as allowed for the entire cost of grant applications for the IRWM Program. As part of the IRWM Plan Update described in Section 2 of this MOU, the Parties agree to study the concept of obtaining funding from other sources to fully or partially defray the cost of grant applications.
- e. Water Authority shall be responsible for administering funding for projects that are receiving IRWM Program grant funding with respect to submitting invoices and quarterly reports to the funding agency, distributing funding to LPS, and processing contract amendments as applicable.
- f. The Parties shall share equally in any and all contractual liability, regardless of nature or type, which arises out of or results from a LPS's performance of services under its agreement with the Water Authority. The Parties shall share equally in any of the default provisions listed in the grant agreements received by the Parties. The Water Authority also agrees to pursue contractual remedies.
- g. Each Party shall procure and maintain during the period of this MOU insurance from insurance companies admitted to do business in the State of California or shall self-insure to cover any contractual liability resulting from the conditions referenced in Section 1f.

2. San Diego IRWM Plan Update

- a. The Parties are equal partners in the update of the Plan. Water Authority shall contract with a consultant to update the Plan in compliance with the Guidelines and schedule established by DWR, and submit the updated Plan to DWR.
- b. The update of the Plan shall be contingent upon receipt of grant funding for this purpose.

3. IRWM Grant Contracts Administration

- a. The Water Authority shall administer and manage IRWM grant agreements, administer the LPS contracts, develop and maintain a reporting and invoicing program, and communicate project and agreement progress to the RWMG, RAC, and the funding agency.

- b. An LPS that has satisfied all invoicing requirements for a grant shall invoice the Water Authority, which shall in turn invoice the funding agency. The Water Authority shall, within 45 days of receipt of funds from the funding agency, disburse the funds to the LPS.
- c. The Water Authority shall appropriate a percentage of the grant money allocated to each LPS project to fund administration of the IRWM grants. The Parties shall agree mutually to the percentage of the grant money that is to be appropriated for this purpose. To the extent that costs exceed the amount in this fund, and that the Parties mutually agree to the additional cost, the Parties shall equally share the additional costs in accordance with Section 5a.
- d. Where a labor compliance requirement has been established by the granting agency, Authority shall report to the granting agency the compliance status of LPS, as reported by LPS, with applicable public works laws.

4. Role of Regional Advisory Committee (RAC)

The RAC shall be considered the project advisory committee. The Parties are committed to a cooperative relationship with the RAC and will incorporate the RAC's consensus recommendations in documents prepared for presentations to the Parties' governing bodies. The Parties' governing bodies will give primary consideration to the recommendations of the RAC as part of any decision related to the following:

- a. Adoption of updates to the IRWM Plan for the San Diego Region.
- b. Criteria for prioritizing projects to be submitted for IRWM grant programs.
- c. Reevaluation of all projects submitted for grant funding if a funding agency funds the Program at a level lower than the requested grant amount and does not provide direction on which projects to fund. Parties shall fund the projects based on consultation with the RAC and the criteria for project prioritization (Section 4b).
- d. Approval and submittal of grant applications.
- e. Transition of responsibility for implementation of the IRWM Plan to a new institutional structure.

5. Funding

- a. Funding for FY 2012-2016 shall not exceed \$1,470,000. Each Party shall provide an equal share of this funding in an amount not to exceed \$490,000. If a Party's contribution was not totally expended in the MOU (March 25, 2009), as amended, that Party shall be credited for the unexpended amount in this MOU.

- b. In-kind services provided by the Parties shall be considered in excess of the above funding amounts and are not reimbursable. The Parties' staff shall separately document time spent on in-kind services for IRWM planning, administration and grant applications.
- c. The funding commitment described in 5a shall not include expenditures to administer the IRWM Grant Program.
- d. Water Authority shall invoice City and County on a quarterly basis along with supporting documentation of expenses. City and County shall remit payment within 60 days of receipt of invoice.

6. Assignment

Parties shall not assign or transfer this MOU or any rights under or interest in this MOU without written consent of all other Parties, which may be withheld for any reason.

7. Defense and Indemnity

Water Authority, City, and County each agree to mutually indemnify, defend at its own expense, including attorneys' fees, and hold each other harmless from and against all claims, costs, penalties, causes of action, demands, losses and liability of any nature whatsoever, including but not limited to liability for bodily injury, sickness, disease or death, property damage (including loss of use) or violation of law, caused by or arising out of or related to any negligent act, error or omission of that party, its officers or employees, or any other agent acting pursuant to its control and performing under this Agreement.

Nothing in the foregoing shall be construed to require any Party to indemnify another for any claim arising from the sole negligence or willful act of the Party to be indemnified.

8. Document Review

Water Authority, City and County each shall make available for inspection to the other Parties, upon reasonable advance notice, all records, books and other documents relating to the Plan and the Program, unless privileged.

9. Term

The term of this MOU shall begin on the date of execution by all Parties and expire on June 30, 2016 expressly contingent upon funding by Water Authority, City and County. The term may be extended by written agreement of all Parties. The Parties shall continue to participate in the planning, development and coordination of the Plan and Grants to the maximum extent possible. The Parties agree to notify one another in the event that their agency's future budget appropriations impact Program funding continuity. If appropriations are different than anticipated, the MOU and Program funding shall be adjusted based on actual funding.

10. Notice

Any notice, payment, credit or instrument required or permitted to be given hereunder will be deemed received upon personal delivery or 24 hours after deposit in any United States mail depository, first class postage prepaid, and addressed to the Party for whom intended as follows:

If to the Water Authority: San Diego County Water Authority
4677 Overland Avenue
San Diego, CA 92123
Attn: Mark Stadler

If to City: City of San Diego Water Department
600 B Street, Suite 600
San Diego, CA 92101
Attn: Cathy Pieroni

If to County County of San Diego
5201 Ruffin Road, Suite P
San Diego, CA 92123
Attn: Sheri McPherson

Any Party may change such address or contact by notice given to the other Parties as provided herein.

11. Amendments

The MOU may be amended by written agreement of all Parties.

12. Severability

The partial invalidity of one or more parts of this MOU will not affect the intent or validity of this MOU.

13. Governing Law

This MOU shall be deemed a contract under the laws of the State of California and for all purposes shall be interpreted in accordance with such laws. Any action brought shall be in San Diego County, California.

14. Obligations

Nothing in this agreement shall create additional obligations with respect to the Plan or Program.

15. Termination of MOU

This MOU may be terminated by any Party with or without cause 30 days after notice in writing to the other Parties.

16. Signatures

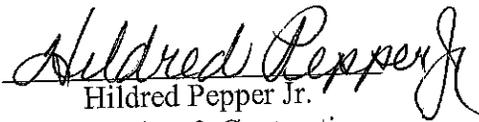
The individuals executing this MOU represent and warrant that they have the legal capacity and authority to do so on behalf of their respective legal entities.

IN WITNESS WHEREOF, the Parties have executed this MOU as of the date below.

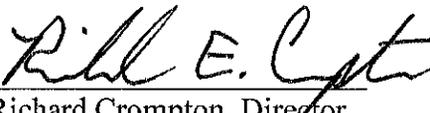
San Diego County
Water Authority

City of San Diego

By: 
Ken Weinberg
Director of Water Resources

By: 
Hildred Pepper Jr.
Purchasing & Contracting
Director

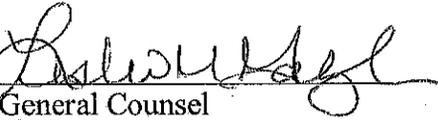
County of San Diego

By: 
Richard Crompton, Director
Department of Public Works

By:  **RISKY**
Winston F. McColl, Director
Department of Purchasing and Contracting

APPROVED AS TO FORM:

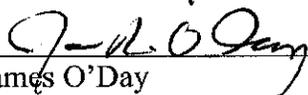
San Diego County
Water Authority

By: 
General Counsel
San Diego County Water Authority

City of San Diego

By: 
Raymond C. Palmucci
Deputy City Attorney

County of San Diego

By: 
James O'Day
County Counsel, Senior Deputy

Date: 9/21/11

RESOLUTION No. 10-002

RESOLUTION OF THE SAN DIEGO COUNTY BOARD OF SUPERVISORS AMENDING THE 2007 SAN DIEGO INTEGRATED REGIONAL WATER MANAGEMENT PLAN

WHEREAS, the San Diego Regional Water Management Group (RWMG), in close cooperation with the Regional Advisory Committee (RAC), drafted the first San Diego Integrated Regional Water Management (IRWM) Plan to optimize water supply reliability, protect and enhance of water quality, provide stewardship of natural resources and coordinate and integrate water resource management in the region; and

WHEREAS, the San Diego IRWM Plan is the foundation of long-term IRWM planning in the region, fostering coordination, collaboration, and communication among governmental and non-governmental water stakeholders; and

WHEREAS, carrying out the San Diego IRWM Plan and obtaining IRWM grant funding will help to achieve the County of San Diego Strategic Plan Environment Initiative; and

WHEREAS, the County of San Diego Board of Supervisors is the decision-making body for the County of San Diego; and

WHEREAS, on September 19, 2007, the RAC recommended that the RWMG governing bodies adopt the San Diego IRWM Plan; and

WHEREAS, the County of San Diego Board of Supervisor adopted the San Diego IRWM Plan at its November 7, 2007 meeting; and

WHEREAS, the RWMG would like to amend the San Diego IRWM Plan to facilitate the addition and revision of projects to the plan; and

WHEREAS, amendment of the San Diego IRWM Plan by the San Diego County Board of Supervisors will update the San Diego IRWM Plan in preparation for the San Diego Region's application for Proposition 84 and other potential funding; and

NOW, THEREFORE, LET IT BE RESOLVED that the County of San Diego Board of Supervisors resolves the following:

1. The 2007 San Diego Integrated Regional Water Management Plan is amended by the revision of the process for managing the IRWM project list as shown in Attachment 1.
2. Staff is directed to incorporate the amendment made by the resolution into the IRWM Plan.

APPROVED AS TO FORM AND LEGALITY
COUNTY COUNSEL

BY Tom Boxworth
COUNTY DEPUTY

Appendix 1-3: Documentation on IRWM Project Selection and Consistency with the IRWM Plan

ON MOTION of Supervisor Roberts, seconded by Supervisor Horn, the above Resolution was passed and adopted by the Board of Supervisors, County of San Diego, State of California, on this 13th day of January, 2010, by the following vote:

AYES: Cox, Jacob, Slater-Price, Roberts, Horn
- - -

STATE OF CALIFORNIA)
County of San Diego)^{SS}

I hereby certify that the foregoing is a full, true and correct copy of the Original Resolution entered in the Minutes of the Board of Supervisors.

THOMAS J. PASTUSZKA
Clerk of the Board of Supervisors

By: Nancy Vizcarra
Nancy Vizcarra, Deputy



No. 10-002

01/13/2010 (8)

Appendix 1-3: Documentation on IRWM Project Selection and Consistency with the IRWM Plan

2007 San Diego IRWM Plan**New text for Section G (Implementation):***G.5 Managing the IRWM Project List*

Periodic updates to the list of water management projects must be made as new funding opportunities arise. Updating the project list will allow additional projects to be added, as project concepts are refined to address changing conditions and needs in the Region. This opportunity also will enable the project sponsors to revise their project submittals as necessary.

The San Diego IRWM project list is included in the Plan as Appendix 5. Any sponsor may submit a project for inclusion in the Plan. The Regional Water Management Group (RWMG) will decide whether to add a submitted project to Appendix 5 after reviewing it to ensure it is consistent with the Plan. The RWMG will notify the sponsor of its decision to accept or reject a project. This structure facilitates the addition of projects to the Plan. It also makes it easier for sponsors to add or revise projects, integrate their projects with others, or add additional features so the projects provide multiple benefits.

When the RWMG decides to submit an application for a grant or other funding opportunity, it will work with the Regional Advisory Committee (RAC) to form a technical workgroup that will review the projects in Appendix 5 and recommend which to submit for funding. All grant applications, including projects proposed for funding, will be submitted to the RAC for its consideration and recommendation. The ultimate approval of the application and projects submitted for funding lies with the Board of Directors of the San Diego County Water Authority, the agency authorized to submit grant applications on behalf of the RWMG.



**Prop 84-Round 2 Project Selection Workgroup
Suggested Criteria for Workgroup Consideration**

Revised September 2012

The following table presents suggested criteria to be considered by the Workgroup in developing the funding application package. Criteria have been categorized as project-level criteria or proposal-level criteria. Project-level criteria will be used to evaluate individual projects, while proposal-level criteria will be used to evaluate the proposal as a whole.

The ability of projects to address project-level criteria will be discussed during the first and second Workgroup meetings. The ability of the proposed funding application package to address the proposal-level criteria will be discussed during the third and fourth Workgroup meetings.

RMC will conduct technical review (truthing of database entries) and have numerical ranking complete prior to the first Workgroup meeting. RMC will ask questions of local project sponsors (LPS), as needed, and will inform LPS if any changes made to their database entries. LPS may contact Mark Stadler if they dispute the changes made.

Based on the numerical ranking, projects will be divided into Tier 1 (top 50th percentile) and Tier 2 (bottom 50th percentile). The Workgroup will evaluate the Tier 1 projects for potential inclusion within the grant application. However, once tiering is complete and the Workgroup has their Tier 1 project list, the numerical scores will be dropped and each project will be evaluated independently for its value and contribution to the region.

Interviews will be scheduled with LPS when the Workgroup has narrowed the list down to top 10-15 projects: 5 minute presentation with 10 minutes of Q&A. LPS will be directed as follows: “Keeping in mind the project-level criteria established for this grant cycle, please explain why this project should be funded.”

The RAC will present appointments for the Project Selection Workgroup at their October 3rd RAC meeting. Workgroup appointments by caucus are due to Mark Stadler by October 19th. The Workgroup will recommend a suite of projects for the grant application at the December 5th RAC meeting.

Criteria	Suggested Workgroup Guidelines
PROJECT-LEVEL CRITERIA	
IRWM Plan Objectives	Select projects that contribute to the attainment of IRWM Plan objectives.
<u>Legal</u> , Scientific, and Technical Merit <u>Feasibility</u>	Select projects that are well supported from a technical standpoint based on supporting studies and data.
Budget	Select projects that have well-developed budgets and exhibit reasonable costs. Note that DAC projects are exempt from the 25% funding match requirement.
Readiness to Proceed	Select projects that will be ready to proceed by December 2014 <u>2014</u> .

Appendix 1-3: Documentation on IRWM Project Selection and Consistency with the IRWM Plan

Criteria	Suggested Workgroup Guidelines
Contribution to Measurable Targets	Select projects that contribute to IRWM Plan targets.
Cost-Effectiveness – Water Supply, Water Quality, Flood Damage Reduction	Select projects that are cost-effective on both the short- and long-term, and provide quantifiable benefits to the region.
Program Preferences^a	Select projects that implement Program Preferences and Statewide Priorities
Benefits DACs	Select projects that address the critical water supply and water quality needs of DACs.
Benefits Tribes	Select projects that address the water resources needs of San Diego area tribes.
<u>Integration</u>	<u>Review integration potential using pre-defined types of integration – Partnerships, Management strategies, Beneficial uses, Geographic, Hydrologic</u>
PROPOSAL-LEVEL CRITERIA	
IRWM Plan Objectives	Proposal to include a suite of projects that addresses all IRWM Plan objectives.
Linkages to Other Projects	Proposal to include projects with synergies and linkages among them.
Funding Match	Proposal to achieve an overall <u>25-30%</u> funding match.
Schedule	Proposal must include at least one project that will begin implementation by December 2014 <u>May 2014</u> .
Economic Analysis – Water Supply, Water Quality and Other Expected Benefits, and Flood Damage Reduction	Proposal to include projects that realize quantifiable water supply benefits.
	Proposal to include projects that realize quantifiable water quality and other expected benefits.
	Proposal to include projects that realize quantifiable flood damage reduction benefits.
DWR Program Preferences	Proposal to include a suite of projects that implements a combination of Program Preferences with a high degree of certainty.
Geographic Parity	Proposal to include a suite of projects that will benefit hydrologic units across the Region.
<u>Number of Projects</u>	<u>Proposal not to exceed 5-7 total projects.</u>
Degree of Negative Impact	Proposal to include a suite of projects that have minimal secondary or cumulative negative impacts, including those that occur over a longer time or distance.
<u>Amount Leveraged</u>	<u>Proposal to include a suite of projects that allow other projects to move forward.</u>

Recommended Prop 84-Round 2 Grant Project List

Project Title	Project Sponsor	Functional Area	Project Summary	Recommended Grant Amount
Failsafe Potable Reuse at the Advanced Water Purification Demonstration Facility	WaterReuse Research Foundation	Water Supply	This project will provide comprehensive testing, evaluation and demonstration of failsafe treatment trains for potable reuse without environmental buffers. Highlighted by a workshop on hazard analysis, critical control points, and redundancy requirements, this project will convene national and international health, treatment and water quality experts to establish an appropriate framework for demonstration of failsafe potable reuse at the City of San Diego's demonstration facility. The WaterReuse Research Foundation is actively funding nearly \$3M in research to better develop potable reuse as a supplemental water supply. This project leverages the expertise from those investments and combines them to demonstrate a failsafe potable reuse train.	\$2,113,000
Rural Disadvantaged Community (DAC) Partnership Project – Phase II	Rural Community Assistance Corporation (RCAC)	Water Supply	RCAC will manage a fund that is to be disbursed to DACs for project development and construction. RCAC will assist rural DACs with project development, project oversight and access to resources, including financial resources. A total of 7 DAC projects were selected for Phase II funding. Those projects include 3 tribal projects (Los Coyotes San Ysidro Water System - water main replacement, La Jolla Eastern Water System - water tank replacement, San Pasqual District B Water System - water tank replacement) and 4 other DAC projects (Rancho Estates MWC - new well and finished water storage, Pauma Valley Water Co. - new well and finished water storage, Phoenix House - new well, and Descanso CWD - pipeline replacement).	\$1,887,000
North San Diego County Regional Recycled Water Project (NSDCRRWP) – Phase II	Olivenhain Municipal Water District	Water Supply – Recycled Water	NSDCRRWP Phase II builds on the successful partnerships established during the planning and design activities in NSDCRRWP Phase I by implementing multiple construction components of the regional recycled water supply and distribution system. Phase II includes construction of distribution pipelines, recycled water pump stations, interties between individual agency systems, and further exploration of linking the regional system. Phase II will cumulatively produce an estimated 6,805 AFY of recycled water. Phase II will involve 10 sub-projects, one for each of the partners included in this effort (Leucadia Wastewater District, Vallecitos Water District, Vista Irrigation District, Rincon del Diablo MWD, Olivenhain MWD, Santa Fe Irrigation District, Carlsbad MWD, City of Escondido, City of Oceanside, San Elijo JPA).	\$3,452,000
Sustaining Healthy Tributaries to the Upper San Diego River and Protecting Local Water Supplies	The San Diego River Park Foundation	Natural Resources and Watersheds	This project seeks to take an integrated approach to conserving healthy cold water streams through monitoring, field assessments, focused studies, on-the-ground restoration, data integration, and public education and involvement. El Capitan Reservoir is the largest local supply of water in the region. Since Boulder Creek drains into El Capitan Reservoir, any reduction of pollution reduces treatment costs. Any reduction of sedimentation reduces the	\$521,000

Project Title	Project Sponsor	Functional Area	Project Summary	Recommended Grant Amount
Appendix 1-3: Documentation of IRWM Project Selection and Consistency with the IRWM Plan				
			resulting reduction in carrying capacity at the Reservoir. Through integration with partners and to bring a more holistic approach, the project has been expanded to include field surveys, monitoring, bio assessments, education, and stewardship components. Education elements include outreach to private land owners and 3 Indian Tribes in the area to reduce pollutant loading and better manage watershed lands.	
Turf Replacement and Agricultural Irrigation Efficiency Program	San Diego County Water Authority	Water Supply – Conservation	This regional program will promote outdoor water use efficiency in the residential and commercial sectors by providing financial incentives to replace turf grass with water-wise plant material and to upgrade overhead sprinkler irrigation systems to low-application rate/high-efficiency irrigation systems. The program will also offer incentives to agricultural customers to retrofit on-site potable irrigation systems as well as water use “audits” geared to give information and assistance to growers in their efforts to adopt techniques and methods that increase water use efficiency without jeopardizing crop productivity. All qualified retail water customers within the San Diego County Water Authority’s service area, as well as the California American Water service area of Coronado and Imperial Beach, will be eligible to participate in the program.	\$538,000
Implementing Nutrient Management in the Santa Margarita River Watershed – Phase II	County of San Diego	Water Quality/ Stormwater	This project is the continuation of the Implementing Nutrient Management in the Santa Margarita River Watershed - Phase I. The project aims to continue to facilitate the Stakeholder Advisory Group (begun during Phase I), continue the core monitoring and special studies to address data gaps identified by stakeholders to achieve project objectives, and to partner with the RWQCB staff in the development of nutrient WQOs for the Santa Margarita River and Estuary.	\$980,000
Chollas Creek Integration Project – Phase II	Jacobs Center for Neighborhood Innovation	Water Quality/ Stormwater	The project improves water quality through: engineering modifications to slow creek flow and prevent erosion and flooding; contaminate uptake and natural filtration through restoration with native species of six acres; obtaining a streamlined process for CEQA and regional permitting that supports the on-going, long-term invasive removal and restoration; community engagement in social values research; and citizen science and water quality sampling. Phase II completes construction activities and habitat restoration delineated in Phase I at Northwest Village.	\$500,000
Grant Administration	San Diego County Water Authority	--	--	\$309,000
Total				\$10,300,000



**Joint Public Workshop &
Regional Advisory Committee (RAC) Meeting #40**

December 5, 2012

9:00 am – 12:00 pm

San Diego County Water Authority Board Room
4677 Overland Ave., San Diego CA 92123

DRAFT NOTES

Attendance

RAC Members

Kathleen Flannery, County of San Diego (Chair)
Arne Sandvik, Padre Dam Municipal Water District
Cathy Pieroni for Marsi Steirer, City of San Diego
Crystal Najera, City of Encinitas
Dennis Bowling, Floodplain Management Association
Jennifer Sabine, Sweetwater Authority
Katie Levy, San Diego Association of Governments
Linda Flournoy, Planning and Engineering for Sustainability
Mark Umphres, Helix Water District
Mike Thornton, San Elijo Joint Powers Authority
Mo Lahsaie, City of Oceanside
Rob Hutsel, San Diego River Park Foundation
Toby Roy for Ken Weinberg, San Diego County Water Authority
Travis Pritchard, San Diego CoastKeeper

RWMG Staff

Goldy Thach, City of San Diego
Loisa Burton, San Diego County Water Authority
Mark Stadler, San Diego County Water Authority
Sheri McPherson, County of San Diego

Interested Parties to the RAC

Andrea Demich, City of San Diego
Bill Pearce, City of San Diego
Bob Kennedy, Otay Water District/Metro JPA
Carmel Wong, City of San Diego
Crystal Mohr, RMC Water and Environment

Dave Ahles, City of Carlsbad
Deena Raver, County of San Diego
Eduardo Pech, California Department of Water Resources
Jeff Marchand, Fallbrook Public Utilities District
Jennifer Hazard, San Diego Regional Water Quality Control Board
Joey Randall, Olivenhain Municipal Water District
Julia Chunn-Heer, Surfrider
Kelly Craig, San Diego Zoological Society
Leigh Johnson, University of California Cooperative Extension
Michelle Lande, University of California Cooperative Extension
Joan Isaacson, Katz and Associates
Rosalyn Prickett, RMC Water and Environment

Welcome and Introductions

Ms. Kathleen Flannery (chair), County of San Diego, welcomed everyone to the meeting. Introductions were made around the room.

DWR Update

Eduardo Pech from the California Department of Water Resources (DWR) provided an update to the RAC. Mr. Pech noted that the final Proposal Solicitation Packages (PSPs) for Proposition 84 Implementation Grants and Proposition 1E Stormwater and Flood Grants have been released by DWR. Due to the later than anticipated release of the PSPs, the deadlines for each grant have been pushed back – the Proposition 84 Round 2 Grant Applications are now due March 29, 2013 and the Proposition 1E Grant Applications are now due February 1, 2013. DWR anticipates that funding awards for Proposition 84 will be released in October of 2013, and that funding awards for Proposition 1E will be released in August of 2013.

Grant Administration

Proposition 84 Planning Grant Status

Ms. Loisa Burton, San Diego County Water Authority (CWA), provided an update on the status of the Proposition 84 Planning Grant, noting that as of July 2012 approximately 20% of grant funding had been spent. Due to substantial work that has occurred since July, CWA anticipates that the next quarterly report and invoice to DWR will demonstrate that a significant amount of additional costs have been incurred.

Proposition 84 Implementation Grant Status

Ms. Burton noted that the Proposition 84-Round 1 grant agreement was signed by CWA's General Manager on December 3rd. The agreement will return to DWR for final signatures, and will likely be executed by mid-January 2013. CWA will provide draft agreements to the local project sponsors so that they can begin working internally on efforts to execute their individual grant contracts with CWA.

Proposition 50 Implementation Grant Status

Ms. Burton also provided an overview on the status of the Prop 50 Implementation Grant, noting that three major amendments are currently being processed. Once one of these pending amendments (Amendment No. 5) has been processed, CWA will be able to close out all completed projects. To date, four projects have been completed. In addition, the Zoological Society recently submitted the first post-performance report for the Biological Infiltration and Wetland Creation Program. These reports will be due to DWR every year for the next ten years.

Questions/Comments

- When CWA sends out the draft LPS agreements, will they be ready to sign? In other words, are the agreements ready to be executed?
 - *No. The LPS agreements will not be considered ready for execution until CWA has a fully executed contract with DWR. The draft LPS agreements are being sent so that all LPS organizations can begin discussing the agreements internally, and determining the next steps that they need to complete to finalize execution within their internal organizations.*

Project Completion Report: City of San Diego Infiltration Pit Phase 1 – Memorial Park Project

Andrea Demich from the City of San Diego's Transportation and Storm Water Department provided an overview of the Memorial Park Infiltration Pit Project, which was recently completed and received Proposition 50 Implementation Grant Funding through the San Diego IRWM Program. Ms. Demich noted that the project was the City's very first permanent BMP project, and therefore provided many lessons learned to the City. She noted that specifically, onsite monitoring was very valuable in that without monitoring, the City would not have been able to accurately assess project results.

Questions/Comments

- Did the City consider if compaction from heavy construction equipment was a potential cause of reduced infiltration seen in the Memorial Park Infiltration Pit Project?
 - *Yes, the City has considered this as a potential issue. In addition, the City believes that the soil monitoring that was done prior to project implementation was not adequate. This monitoring only took into consideration the top layers of soil where BMPs would be installed, and did not consider infiltration at lower depths.*

San Diego IRWM Plan Update

Sheri McPherson, San Diego County, provided an overview of the 2013 San Diego IRWM Plan Update. This joint meeting of the RAC and the Public will include a discussion of the IRWM Vision, Mission, Objectives, and Targets, which are being revised as part of the IRWM Plan Update. Ms. McPherson noted that a specific workgroup (the Priorities and Metrics Workgroup) was convened to evaluate these components of the IRWM Plan. Ms. McPherson provided an overview of the IRWM Vision, which was modified by the Priorities and Metrics Workgroup for grammatical purposes, but was not modified from a content point of view.

The updated Vision is as follows:

“An integrated, balanced, and consensus-based approach to ensuring the long-term sustainability of San Diego’s the Region’s water supply, water quality, and natural resources.”

Questions/Comments

- Do we want the IRWM Vision to only focus on water? Suggest that the vision be expanded to consider other aspects of regional planning that are necessary to ensuring sustainability – this would include things like transportation and land use planning, etc.
 - *Those things are assumed to be included within the vision, to the extent that they impact water resources. The focus is water supply, water quality, and natural resources, but it is assumed that all factors that would impact these aspects of water management are also included in the vision.*

Ms. McPherson then provided an overview of the IRWM Mission, which was not modified by the Priorities and Metrics Workgroup. The IRWM Mission is as follows:

“To develop and implement an integrated strategy to guide the San Diego Region toward protecting, managing, and developing reliable and sustainable water resources. Through a stakeholder-driven and adaptive process, the Region can develop solutions to water-related issues and conflicts that are economically and environmentally preferable, and that provide equitable resource protection for the entire Region.”

Questions/Comments

- Again, wouldn’t it be better to expand the mission beyond specific water issues? We need to promote regional sustainability.

The RAC and members of the public discussed the following potential revisions to the IRWM Mission to take into account regional sustainability:

“To develop and implement an integrated strategy to guide the San Diego Region toward protecting, managing, and developing reliable and sustainable water resources. Through a stakeholder-driven and adaptive process, the Region can develop solutions to water-related issues and conflicts that are economically and environmentally preferable, and that provide equitable resource protection for the sustainability of the entire Region.”

Ms. McPherson then provided an overview of the IRWM Goals. There were four goals in the original IRWM Plan, and the Priorities and Metrics Workgroup discussed revising three of the four goals. The revised IRWM Goals are as follows:

1. ~~Optimize water supply~~ Improve the reliability and sustainability of regional water supplies.
2. Protect and enhance water quality.
3. ~~Provide stewardship~~ Protect and enhance of our watersheds and natural resources.
4. ~~Coordinate and integrate~~ Promote and support integrated water resource management.

Next, Ms. McPherson provided an overview of the IRWM Objectives. The Priorities and Metrics Workgroup has suggested many revisions to the IRWM Objectives. Specifically, they suggested the addition of two new objectives (A and K), and revisions to four existing objectives (B, E, G, and H).

Further, the Priorities and Metrics Workgroup has suggested that a new pass/fail rule be implemented, which would require that to be included in the San Diego IRWM Plan, all implementation projects must contribute to the attainment of Objective A, Objective B, and at least one other objective. The revised IRWM Objectives are as follows:

- A. Encourage the development of integrated solutions to address water management issues and conflicts.
- B. Maximize stakeholder/community involvement and stewardship of water resources, emphasizing education and outreach.
- C. Effectively obtain, manage, and assess water resource data and information.
- D. Further scientific and technical foundation of water management.
- E. Develop and maintain a diverse mix of water resources, encouraging their efficient use and development of local water supplies.
- F. Construct, operate, and maintain a reliable infrastructure system.
- G. Enhance natural hydrologic processes to reduce the effects of hydromodification and encourage integrated flood management. ~~Reduce the negative effects on waterways and watershed health caused by hydromodification and flooding.~~
- H. Effectively reduce sources of pollutants and environmental stressors to protect and enhance human health and safety and the environment.
- I. Protect, restore, and maintain habitat and open space.
- J. Optimize water-based recreational opportunities.
- K. Effectively address climate change through adaptation or mitigation in water resource management.

Rosalyn Prickett, RMC Water and Environment (RMC) explained that, in conjunction with the IRWM Objectives, there are a series of Targets and Metrics within the IRWM Plan that essentially are a way to measure the attainment of each objective. Targets are defined as measurable and tangible actions to achieve the objectives. Metrics are defined as measurements that can be used to evaluate the actions – they may be quantitative or qualitative. The IRWM Targets and Metrics were substantially revised by the Priorities and Metrics Workgroup, and were provided to the RAC and members of the public in a handout (refer to the San Diego IRWM website to obtain a copy of the handout: <http://sdirwmp.org/regional-advisory-committee>).

Questions/Comments

- General:
 - Need to better-define Objective A and Objective. What water management issues and conflicts are we referring to?
 - If Objective A and Objective B are mandatory, they need to be very clear. Better defined.
 - The mandatory requirement for Objective A and Objective B is concerning. It seems potentially limiting. On the other hand, if these are broad enough that all projects will meet them, then what is the point?
 - Are we including water conservation as a “water supply”? *Yes.*

- Suggest looking beyond water management issues (Objective A, etc.) and expand to encompass broader sustainability.
- Regarding Objective E:
 - Does this objective only pertain to local water resources? If so, Target #3 pertaining to imported water does not make sense.
 - Need to include within the targets that our water supply (Colorado River) faces substantial potential threat due to Quagga mussels.
 - Target #4 and Target #5 look too similar. Also, one of these needs to clarify that groundwater issues have a lot to do with infiltration. Infiltration should be included in at least one of these targets.
 - Concerned with the wording of Target #5. We do not want to just sustain existing groundwater levels, because some groundwater basins are already overdrafted.
- Regarding Objective F:
 - Add something about soil humidity to Target #3.
 - I think that we should expand Target #2 to include stormwater capture, not just transport.
- Regarding Objective H:
 - The language regarding the public health component is confusing. This needs to be modified for clarity.
 - Target #3: we should consider more than the volume of fertilizer, we need to consider the type as well (organic vs. chemical).
 - Target #3: we should add solid waste – trash is just as much of a concern as pathogens, nutrients, and sediments.
 - Target #4: this target, regarding sanitary sewer overflows, seems beyond the purview of the San Diego IRWM Program.
 - Target #1: the metrics for this target should include trash prevention, not just removal.
 - Regarding the comment above – do not want to lose trash removal. This is very important. Should include both prevention and removal.
 - Target #5 regarding LID should be modified to reflect that we don't want to just implement LID, we want to be innovative and focus on new solutions. *This comment will be incorporated into Objective D.*
- Regarding Objective I:
 - Consider sediment and trash impacts. Add into Target #1: remove, reduce, and control sources of sediment and trash.

- Regarding Objective J:
 - Target #1: what is the difference between an underserved community and a disadvantaged community?
 - *An underserved community is one that does not receive services (in this case, water/wastewater services) a disadvantaged community is one that is economically disadvantaged.*
 - Target #2: need to include trees and urban forests as a metric.
 - Need to include interpretation/signage: not just about the quantity of recreation, but the quality.
 - Need to consider factoring ADA requirements into recreation – consider adding a metric for wheelchair-accessible trails, etc.
- Regarding Objective K:
 - Suggest modifying the objective to include greenhouse gas reduction, mitigation, and adaptation.
 - Target #3: Consider removing language about “neutralizing” GHG emissions, and instead focus on reducing GHG emissions and the embedded energy in water supplies.
 - Target #3: recommend deleting the parentheses.

Prop 84-Round 2 Implementation Grant Opportunity

Travis Pritchard, Chair of the Proposition 84-Round 2 Project Selection Workgroup, provided an overview of activities taken by the workgroup to reach consensus on a list of recommended projects for Prop 84-Round 2 Implementation Grant funding. Mr. Pritchard noted that 36 projects were submitted to the San Diego IRWM Project Database, for a total funding request of approximately \$51 million. The workgroup had to come up with a package of projects that would sum to \$9,991,000, leaving an additional \$309,000 for grant administration (a total of \$10,300,000 is available to the San Diego Region in this round of funding). Mr. Pritchard then explained the RAC members who comprised the Project Selection Workgroup. He also explained that the workgroup was organized into five “caucuses,” including the Regional Water Management Group (RWMG), Water Retailers, Water Quality, Watershed/Natural Resources, and At-Large. The workgroup members contributed a substantial amount of time in November – five total meetings and 24 total hours – to arrive at consensus on the proposed package of projects.

Mr. Pritchard noted that the selection process included six major steps, as follows:

1. Consultant team applied RAC-approved project selection criteria to all projects. Projects were scored then grouped into “Tier 1” and “Tier 2” (top 50% and bottom 50%).
2. Workgroup evaluated Tier 1 and Tier 2 projects, and each workgroup member had the opportunity to nominate one Tier 2 project to Tier 1.
3. Workgroup evaluated Tier 1 projects, directing project-related questions to the consultant team.
4. Workgroup identified a short list of Tier 1 projects (12), which would go through interviews.
5. Workgroup conducted all-day interviews of all 12 short-listed projects.

6. Workgroup used information from the interviews, project database, and any clarifications provided by proponents to make their ultimate funding recommendation.

The workgroup did, ultimately arrive at consensus, recommending the following list of projects for Prop 84-Round 2 Implementation Grant Funding:

No.	Title	Proposed Funding Amount
496	Failsafe Potable Reuse at the Advanced Water Purification Demonstration Facility	\$2,113,000
490	Rural Disadvantaged Community (DAC) Partnership Project-Phase II	\$1,887,000
494	North San Diego County Regional Recycled Water Project (NSDCRRWP) - Phase II	\$3,452,000
513	Sustaining Healthy Tributaries to the Upper San Diego River and Protecting Local Water Supplies	\$521,000
497	Turf Replacement and Agricultural Irrigation Efficiency Program	\$538,000
188	Implementing Nutrient Management in the Santa Margarita River Watershed - Phase II	\$980,000
489	Chollas Creek Integration Project Phase II	\$500,000
Total		\$9,991,000

Rosalyn Prickett added that all projects were recommended for partial funding (i.e. a funding amount less than what was originally requested). The consultant team has checked with all project sponsors, and they will all be able to accept the awards and move forward with reduced funding awards.

Questions/Comments

- Thank you to all SDIRWM stakeholders for submitting projects – there were a lot of great projects!
- I notice that the projects seem light on the flood control aspects. Was this seen as an issue?
 - *The project selection workgroup felt that flood control projects would be better suited to Proposition 1E grants. Please note, however, that the Chollas Creek Integration Project Phase II will have flood control benefits.*
- Were any projects that initially fell into the Tier 2 project list ultimately funded?
 - *Yes. Project 496 and Project 188 were initially included in Tier 2.*

The RAC then voted on the funding package. Prior to the vote, Mark Stadler noted that due to the RAC transition, during which many existing RAC members have decided to no longer participate on the RAC, there was not a quorum. Further, Dennis Bowling abstained from voting due to his participation in the Chollas Creek Integration Project Phase II. The RAC unanimously voted to accept the Project Selection Workgroup’s proposed grant package.

RAC Reorganization

Cathy Pieroni, City of San Diego, provided an overview of the next steps regarding reorganization of the RAC. Ms. Pieroni noted that today the RAC will be asked to vote on the approach, and, pending

RAC approval, will select members to continue on the reorganized RAC. The RAC unanimously approved the Selection Guidelines for RAC Members.

Rosalyn Prickett led the RAC Reorganization exercise, which included pulling names out of a hat at random. The following is a summary of the results of this exercise:

Continuing Members (2013-2014)

- Ken Weinberg (SDCWA)
- Marsi Steier (City of San Diego)
- Kathy Flannery (County of San Diego)
- Mark Umphres (Helix Water District)
- Cari Dale (City of Oceanside)
- Bill Hunter (Santa Fe Irrigation District)
- Anne Bamford (Industrial Environmental Association)
- Mike Thornton (San Elijo Joint Powers Authority)
- Kirk Ammerman (City of Chula Vista)
- Rob Hutsel (San Diego River Park Foundation)
- Lynne Baker (San Dieguito River Valley Conservancy)
- Linda Flournoy (Planning and Engineering for Sustainability)
- Dave Harvey (Rural Community Assistance Corporation)
- Travis Pritchard (San Diego CoastKeeper)
- Dennis Bowling (Floodplain Management Association)

Former RAC Members, Encouraged to Re-Apply!

- Jim Smyth (Sweetwater Authority)
- Albert Lau (Padre Dam Municipal Water District)
- Rob Roy (La Jolla Band of Luiseno Indians)
- Eric Larson (San Diego County Farm Bureau)
- Katie Levy (San Diego Association of Governments)

Toby Roy, San Diego County Water Authority, provided an overview of the RAC Conflict of Interest Policy. Ms. Roy noted that this policy follows the principles but not the legal implications associated with Fair Political Practices Commission requirements. The RAC members voted, and unanimously agreed to adopt the RAC Conflict of Interest Policy.

Questions/Comments

- Can you please send out the RAC application via email?
 - *Yes. The application will be sent out to all SDIRWM stakeholders.*

San Diego IRWM Workgroup Reports

Rosalyn Prickett provided an overview of the IRWM Plan Update Workgroups, noting that the Land Use Workgroup, Climate Change Workgroup, and Governance and Financing Workgroup are now complete. The Regulatory Workgroup recently held its final meeting, and the Priorities and Metrics Workgroup will hold its final meeting in December 2012. As such, workgroup reports will be held

during the next RAC meeting, and will include information regarding the ultimate recommendations of each workgroup, as applicable.

Next Joint Public Workshop & RAC Meeting – February 6, 2013

The next joint public workshop and RAC meeting will be held on Wednesday February 6, 2013 from 9:00 a.m. to 12:00 p.m. at San Diego County Water Authority Board Room (4677 Overland Ave., San Diego, CA 92123).

RAC meetings to be held in 2013 are scheduled for the following dates:

- February 6
- April 3
- June 5
- August 7
- October 2
- December 4

Public Comments

Ms. Kathleen Flannery inquired if there were any public comments. No members of the public had comments.



Priorities & Metrics Workgroup and RAC-Vetted Proposed Vision, Mission, Goals, and Objectives

November 28, 2012

Vision:

An integrated, balanced, and consensus-based approach to ensuring the long-term sustainability of the Region's water supply, water quality, and natural resources.

Mission:

To develop and implement an integrated strategy to guide the Region toward protecting, managing, and developing reliable and sustainable water resources. Through a stakeholder-driven and adaptive process, the Region can develop solutions to water-related issues and conflicts that are economically and environmentally preferable, and that provide equitable resource protection for the entire Region.

Goals:

1. Improve the reliability and sustainability of regional water supplies.
2. Protect and enhance water quality.
3. Protect and enhance our watersheds and natural resources.
4. Promote and support integrated water resource management.

Objectives, Targets, and Metrics:

To be included in the San Diego IRWM Plan, all implementation projects must contribute to the attainment of Objective A, Objective B, and at least one other objective.

Objective A: Encourage the development of integrated solutions to address water management issues and conflicts.

Objective B: Maximize stakeholder/community involvement and stewardship of water resources, emphasizing education and outreach.

Objective C: Effectively obtain, manage, and assess water resource data and information.

Objective D: Further scientific and technical foundation of water management.

Objective E: Develop and maintain a diverse mix of water resources, encouraging their efficient use and development of local water supplies.

Objective F: Construct, operate, and maintain a reliable infrastructure system.

Objective G: Enhance natural hydrologic processes to reduce the effects of hydromodification and encourage integrated flood management.

Objective H: Effectively reduce sources of pollutants and environmental stressors to protect and enhance human health, safety, and the environment.

Objective I: Protect, restore, and maintain habitat and open space.

Objective J: Optimize water-based recreational opportunities.

Objective K: Effectively address climate change through adaptation or mitigation in water resource management.