



2016 San Diego IRWM Program

IRWM Planning Grant Proposal



Submitted by San Diego County Water Authority on behalf of the Regional Water Management Group and the Regional Advisory Committee



The City of San Diego



County of San Diego



San Diego County
Water Authority

September 2016

Page intentionally left blank.

San Diego Integrated Regional Water Management

2016 IRWM Planning Grant Proposal

Authorizing Documentation

Attachment 1 consists of the following items:

- ✓ **Memorandum of Understanding.** The adopted *Memorandum of Understanding for the Integrated Regional Water Management for Fiscal Years 2012-2016*, as amended gives the San Diego County Water Authority (SDCWA) overall responsibility for managing the San Diego IRWM program and submitting all applications to the State on behalf of the parties (**Exhibit A**).
- ✓ **Authorizing Document.** Resolution 2016-___ authorizes SDCWA to submit this 2016 San Diego IRWM Implementation Grant Proposal and execute an agreement with the State of California for IRWM planning activities. A draft of the Resolution is included here, pending availability of signed version (**Exhibit B**).

Memorandum of Understanding

This 2016 San Diego IRWM Planning Grant Proposal (Proposal) is being submitted by the San Diego County Water Authority (SDCWA). Per the adopted *Memorandum of Understanding for the Integrated Regional Water Management Fiscal Years 2012-2016*, as amended, the Regional Water Management Group (RWMG) – comprising the City of San Diego, the County of San Diego, and SDCWA – determined that SDCWA shall have overall responsibility for submitting all applications to the State on behalf of the parties (**Exhibit A**).

Authorizing Documentation

Resolution 2016-___ was adopted by the SDCWA Board of Directors on September 22, 2016 and authorizes the SDCWA to submit this 2016 San Diego IRWM Planning Grant Proposal and execute an agreement with the State of California for IRWM planning activities. Due to timing of adoption, the draft Resolution has been included with this application (**Exhibit B**). A final, executed resolution will be provided separately once available. A resolution number will be provided as part of the final, signed resolution. As required per the 2016 Planning Grant Proposal Solicitation Package (2016 PSP), SDCWA contacted DWR to discuss the timing of the resolution and received approval to submit a final resolution after the application due date (see **Exhibit C**).

Page intentionally left blank.

Exhibit A: Memorandum of Understanding

The attached *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*, as amended and authorizes SDCWA to submit this 2016 *San Diego IRWM Planning Grant Proposal* and execute an agreement with the State of California on behalf of the San Diego IRWM Program's Regional Water Management Group.

Page intentionally left blank.

ORIGINAL

**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

8/4/2011

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

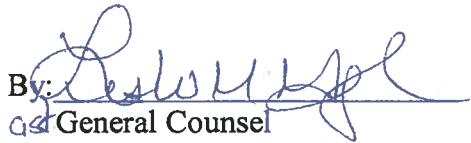
County of San Diego

By: 
Richard Crompton, Director
Department of Public Works


By:  
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

**First Amendment to 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**

The Memorandum of Understanding that was executed on September 21, 2011 among the City of San Diego, County of San Diego and San Diego County Water Authority establishing the respective roles of the City, County and Water Authority regarding the San Diego Integrated Regional Water Management Grant Program is hereby amended as follows:

1. Recitals:

a. Add new Recital 4 as follows:

In November 2014, Proposition 1 (Assembly Bill 1471), the Water Quality, Supply, and Infrastructure Improvement Act (Chapter 188, Stats of 2014), authorized the Legislature to appropriate funding for competitive grants for IRWM programs.

b. Amend Recital 9 as follows:

The Parties, acting with support and positive recommendations from the RAC, completed the first San Diego IRWM Plan in 2007. Subsequently, the Parties revised and updated the Plan in 2013, again with support and positive recommendations from the RAC. 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 and Proposition 1, approved by California voters in 2006 and 2014, respectively.

c. Amend Recital 10 as follows:

To qualify for IRWM funding from Proposition 84 or Proposition 1, a planning region must have an IRWM Plan that complies with the requirements of California Water Code Section 10530.

d. Amend Recitals 4-12 as Recitals 5-13.

2. Amend Section 5 (A), Funding, as follows:

- a. Funding for the period between April 1, 2015 and June 30, 2019 shall not exceed \$1,258,275. Each Party shall provide an equal share of this funding in an amount not to exceed \$419,425.

3. Amend Section 9, Term, as follows:

The term of this MOU shall begin on the date of execution and expire on June 30, 2019 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.

4. Amend Section 10, Notice, as follows:

City of San Diego Public Utilities Department
525 B St., Suite 300
San Diego, CA 92101
Attn: Goldamer Herbon

County of San Diego Watershed Protection Program
5510 Overland Ave., Suite 410
San Diego, CA 92123
Attn: Stephanie Gaines

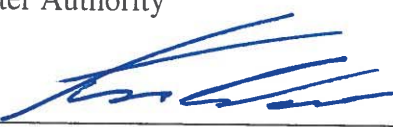
This First Amendment to the MOU may be signed in counterpart by the Parties.

All other terms, covenants, and conditions in the original MOU as amended shall remain in full force and effect and shall be applicable to this amendment.

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

San Diego County
Water Authority

City of San Diego

By: 
Ken Weinberg
Director of Water Resources

By: _____
Stacey LoMedico
Assistant Chief Operating Officer

County of San Diego

By: _____
Richard Crompton
Department of Public Works

By: _____
John M. Pellegrino, Director
Department of Purchasing and Contracting

APPROVED AS TO FORM:

San Diego County
Water Authority

City of San Diego

By: 
General Counsel
San Diego County Water Authority

By: _____
Raymond C. Palmucci
Deputy City Attorney

County of San Diego

By: _____
Norman T. Deak
County Council, Senior Deputy

Date: March 23, 2016

San Diego County
Water Authority

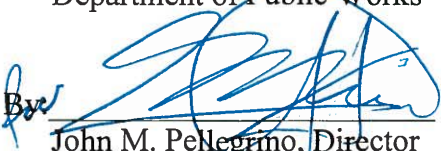
City of San Diego

By: _____
Ken Weinberg
Director of Water Resources

By: _____
Stacey LoMedico
Assistant Chief Operating Officer

County of San Diego

By:  _____
Richard Crompton
Department of Public Works

By:  _____
John M. Pellegrino, Director
Department of Purchasing and Contracting

APPROVED AS TO FORM:

San Diego County
Water Authority

City of San Diego

By: _____
General Counsel
San Diego County Water Authority

By: _____
Raymond C. Palmucci
Deputy City Attorney

County of San Diego

By:  _____
Norman T. Deak
County Council, Senior Deputy

Date: _____

San Diego County
Water Authority

City of San Diego

By: _____
Ken Weinberg
Director of Water Resources

By:  _____
Paz Gomez
Deputy Chief Operating Officer

County of San Diego

By: _____
Richard Crompton
Department of Public Works


By: _____
John M. Pellegrino, Director
Department of Purchasing and Contracting

APPROVED AS TO FORM:

San Diego County
Water Authority

City of San Diego

By: _____
General Counsel
San Diego County Water Authority

By:  _____
Raymond C. Palmucci
Deputy City Attorney

County of San Diego

By: _____
Norman T. Deak
County Council, Senior Deputy

Date: _____

Page intentionally left blank.

Exhibit B: Authorizing Documentation

Resolution 2016-____ will be adopted by the San Diego County Water Authority (SDCWA) Board of Directors on September 22, 2016 and authorizes SDCWA to submit this *2016 San Diego IRWM Planning Grant Proposal* and execute an agreement with the State of California. Included here is a Draft Resolution. The final, signed resolution will be submitted to DWR once available, and prior to the release of draft awards in November 2016. A resolution number will be included in the final, signed resolution.

Page intentionally left blank.

RESOLUTION No. _2016-__

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE
SAN DIEGO COUNTY WATER AUTHORITY
AUTHORIZING THE GENERAL MANAGER TO SUBMIT
A 2016 IRWM PROPOSITION 1 PLANNING GRANT
APPLICATION, ACCEPT THE AWARDED GRANT FUNDS
AND DISTRIBUTE THE FUNDS TO PROJECT SPONSOR**

WHEREAS, Proposition 1, the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Water Code Section 79700 *et seq.*), authorized the California Legislature to appropriate \$510 million to encourage integrated regional water management planning in California; and

WHEREAS, Section 79744(a) 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 several grant programs that allocate 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 planning grant; and

WHEREAS, achieving IRWM grant funding will help to achieve the regional water supply goals established in the Water Authority's 2015 Urban Water Management Plan and to prepare the San Diego Region for the impacts of drought; 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 2016 IRWM Proposition 1 planning grant to update the 2013 San Diego IRWM Plan to meet DWR's 2016 IRWM Plan Standards; and

WHEREAS, on June 1, 2016, the RAC recommended that the Water Authority Board authorize submittal of the San Diego Region's application for a 2016 IRWM Proposition 1 planning 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.

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 2016 IRWM Proposition 1 planning grant.
3. The General Manager is authorized to enter into an agreement to receive a 2016 IRWM Proposition 1 planning grant from the California Department of Water Resources.
4. The General Manager is authorized to accept the grant funds that are awarded and enter into a contract to distribute the awarded grant funds to the project sponsor.

PASSED, APPROVED AND ADOPTED, this 22nd day of September, 2016, by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

Mark Weston
Chair

ATTEST:

Jim Madaffer
Secretary

I, Melinda Cogle, Clerk of the Board of the San Diego County Water Authority, certify that the vote shown above is correct and this Resolution No. 2016- _____ was duly adopted at the meeting of the Board of Directors on the date stated above.

Melinda Cogle
Clerk of the Board

DRAFT

Page intentionally left blank.

Exhibit C: DWR Approval for Late Submittal of Final Resolution

In accordance with Section V.B.ii of the 2016 PSP, SDCWA notified DWR that a signed copy of the Authorizing Resolution would not be available at the time of submittal. This exhibit includes confirmation from DWR that late submittal of the signed resolution has been approved. SDCWA will submit a copy of the signed resolution directly to DWR upon availability, in accordance with the directions provided in the attached email.

Page intentionally left blank.

Sally Johnson

From: Daum, Theodore@DWR <Theodore.Daum@water.ca.gov>
Sent: Wednesday, September 21, 2016 8:20 AM
To: Sally Johnson
Cc: Ramirez, Desiree@DWR
Subject: RE: Authorizing Resolution Adoption Date

Hi Sally;

Yes, submittal of a draft resolution with the application followed by the signed copy afterwards will be sufficient. Just mention in the cover letter that the signed resolution will be sent, and make sure we receive it before the release of the draft funding recommendations in November. It can be sent to my attention at the address below.

Thank You,

Ted

Ted Daum
Senior Environmental Scientist
Department of Water Resources
Division of Integrated Regional Water Management
Financial Assistance Branch
901 P Street
P.O. Box 942836
Sacramento, CA 94236-0001

(916) 651-9264 (office)
(916) 651-9292 (fax)

From: DWR IRWM Grants@DWR
Sent: Tuesday, September 20, 2016 4:22 PM
To: Daum, Theodore@DWR
Subject: FW: Authorizing Resolution Adoption Date

Hi Ted,

Below is a question from Sally Johnson with the San Diego IRWM region regarding Prop 1 planning requirements (specifically the Authorizing Resolution). Is this something you can assist with?

Thank you,
Desiree.

Department of Water Resources
Division of Integrated Regional Water Management
901 P Street
P.O. Box 942836
Sacramento, CA 94236-0001

From: Sally Johnson [SJohnson@rmcwater.com]
Sent: Tuesday, September 20, 2016 1:42 PM

To: DWR IRWM Grants@DWR

Subject: Authorizing Resolution Adoption Date

Hi,

The San Diego IRWM Region is applying for a 2016 Prop 1 IRWM Planning Grant. Per page 7 of the PSP, an applicant should contact DWR if the Authorizing Resolution cannot be signed prior to the application. The San Diego County Water Authority (SDCWA) is the applicant for the region, and will pass their Authorizing Resolution on September 22, 2016, prior to the submittal deadline. However, a signed copy will not be ready in time to include with the application submittal. A signed version will be available around September 26, and the draft resolution will be included with the submittal.

Can you please confirm that this will be sufficient to meet the requirement for Attachment 1 of the application, and how you'd like us to submit the signed version once it is available?

Thank you,
Sally

Sally Johnson

Water Resources Planner

RMC Water and Environment

10509 Vista Sorrento Parkway, Suite 205

San Diego, CA 92121

P: 858.875.7400

D: 858.875.7427

sjohnson@rmcwater.com | www.rmcwater.com



Complex Challenges | Innovative Solutions

San Diego Integrated Regional Water Management 2016 IRWM Planning Grant Proposal Eligible Applicant Documentation

Attachment 2 consists of the following item:

- ✓ **Eligible Applicant.** This attachment explains how the San Diego County Water Authority (SDCWA) meets the eligible applicant requirements set by the California Department of Water Resources (DWR) in the *2016 Planning Grant Proposal Solicitation Package (2016 PSP)*.
- ✓ **Eligibility Requirements for Receipt of Funds.** Documentation that both SDCWA and the County of San Diego, as the two entities receiving grant funding, are compliant with applicable urban water supplier and surface water diverter requirements. Neither of these entities are agricultural water suppliers.

Eligible Applicant

As defined by Water Code §79712, SDCWA, as an independent public agency, is an eligible grant applicant. SDCWA is a public agency under the County Water Authority Act Chapter 45, section 2, and thus has the legal authority to enter into grant agreement with the State of California.

SDCWA is applying for this Planning Grant on behalf of the participating entities in the San Diego IRWM program. SDCWA is an eligible applicant as described below:

1. SDCWA is a local agency as defined in Appendix B of the IRWM Grant Program Guidelines. SDCWA, as the regional water wholesale agency within San Diego County, has a mission to provide a safe and reliable supply of water to its 24 member agencies.
2. SDCWA 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. SDCWA 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*, as amended, the RWMG determined that SDCWA shall have overall responsibility for submitting all applications to the State on behalf of the parties (refer to Attachment 1, Exhibit A). Resolution 2016-____ authorizes SDCWA to submit this 2016 San Diego IRWM Planning Grant Proposal and execute an agreement with the State of California for IRWM planning activities (refer to Exhibit B).
4. SDCWA, the City of San Diego (City), and the County of San Diego (County) jointly developed and adopted a *Memorandum of Understanding for the Integrated Regional Water Management Program for Fiscal Years 2012-2016*, as amended (see Exhibit A). This MOU replaced the second MOU (dated March 10, 2009), as amended, between SDCWA, the City, and the County for FYs 2009-2013 of the IRWM Grant Program. Amendment 1 to the current MOU extended the MOU through mid-2019. Section 1b of the MOU states that the "Water Authority (SDCWA) 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. Therefore, the MOU serves as a legal agreement between SDCWA, the City, and the County, which will ensure the Proposal is executed in accordance with terms of the grant agreement, and that grant and matching funds are properly tracked. This legal mechanism has been in place for several years, and has allowed SDCWA to execute six successful IRWM grant contracts with the Department of Water Resources on behalf of the IRWM Program.

5. SDCWA is not the submitting entity for multiple IRWM regions; therefore information regarding determination of the applicant is not applicable.
6. A certificate of incorporation is not applicable to SDCWA, because SDCWA is a public agency.

Eligibility for Receipt of Funds

This section documents compliance with the eligibility requirements included in Questions 9, 10, 11 and 12 of Table 2 - Grant Application Checklist in the 2016 PSP. Two entities would receive grant funding under this proposal: SDCWA and the County of San Diego. Although the County has partnered with the San Diego County Municipal Separate Storm Sewer System (MS4) Copermitees, the Copermitees will be contributing local match dollars to the project and will not be receiving grant funds. Therefore, eligibility requirements here do not apply to the Copermitees.

Urban Water Suppliers

This section addresses eligibility requirements in Questions 9 and 10 of the Checklist.

The County of San Diego is not an urban water supplier; therefore this eligibility requirement does not apply to them. SDCWA is an urban water supplier. As required by the Urban Water Management Planning Act (CWC §10610 *et seq.*), SDCWA submitted their 2015 Urban Water Management Plan (UWMP) to DWR prior to the July 1, 2016 deadline. DWR reviewed the 2015 UWMP and sent an approval letter to SDCWA on September 6, 2016. A copy of this letter is included here as **Exhibit D**.

Table 2-1: Contact Information for Urban Water Suppliers

Agency	Contact Name	Phone	Email
SDCWA	Mark Stadler	858-522-6735	mstadler@sdcw.org

Agricultural Water Suppliers

This section addresses eligibility requirements in Questions 9 and 11 of the Checklist.

Neither SDCWA nor the County of San Diego is an agricultural water supplier; as such they are not required to submit Agricultural Water Management Plans to DWR. This requirement is not applicable.

Surface Water Diverters

This section addresses eligibility required in Question 12 of the Checklist.

Both SDCWA and the County of San Diego are surface water diverters. Both of these agencies have submitted surface water diversion reports to the State Water Resources Control Board (SWRCB) in compliance with Part 5.1 of Division 2 of the CWC. The most recent diversion reports (submitted 2016) downloaded from the SWRCB's website are included here as **Exhibit E**. **Table 2-2** identifies the date of the most recent surface water diversion reports submitted by SDCWA and the County of San Diego.

Table 2-2: Surface Water Diversion Report Compliance

Agency	Diversion Report Submittal Dates
SDCWA	April 20, 2016
County of San Diego	February 29, 2016 February 26, 2016 February 26, 2016

Exhibit D: 2015 UWMP Approval

The attached letter, dated September 6, 2016, documents DWR's approval of the San Diego County Water Authority's 2015 Urban Water Management Plan (UWMP). The 2015 UWMP was found to comply with the requirements of the Urban Water Management Planning Act (CWC §10610 *et seq.*).

Page intentionally left blank.

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



September 6, 2016

Ms. Dana Frieauf
Water Resources Manager
San Diego County Water Authority
4677 Overland Avenue
San Diego, California 92123

RE: Urban Water Management Plan Requirements Addressed

Dear Ms. Frieauf:

The Department of Water Resources (DWR) has reviewed the San Diego County Water Authority's 2015 Urban Water Management Plan (UWMP) that was received on June 28, 2016. The California Water Code (CWC) directs DWR to report to the California State Legislature once every five years on the status of submitted UWMPs. In meeting this legislative reporting requirement, DWR reviews all submitted UWMPs.

DWR's review of the San Diego County Water Authority's 2015 UWMP has found that the UWMP addresses the requirements of the CWC. DWR's review of plans is limited to assessing whether suppliers have addressed the required legislative elements. In its review, DWR does not evaluate or analyze the supplier's UWMP data, projections or water management strategies. This letter acknowledges that the San Diego County Water Authority's 2015 UWMP addresses the CWC requirements. The results of the review will be provided to DWR's Financial Assistance Branch.

If you have any questions regarding the review of the UWMP or urban water management planning please call Gwen Huff at 916-651-9672.

Sincerely,

A handwritten signature in blue ink, appearing to read 'V. Lake'.

Vicki Lake
Unit Chief
Urban Water Use Efficiency
(916) 651-0740

Electronic cc: Sergio Fierro
DWR

Page intentionally left blank.

Exhibit E: Surface Water Diversion Reports

Both agencies receiving grant funds under this proposal are surface water diverters. Included in this exhibit are the surface water diversion reports from San Diego County Water Authority and the County of San Diego for 2015. These reports were submitted in February and April of 2016, and document compliance with the requirements outlined in Parts 5.1 (commencing with §5100) of Division 2 of the CWC.

Page intentionally left blank.

[SUMMARY OF FINAL SUBMITTED VERSION]**PROGRESS REPORT BY PERMITTEE FOR 2015**

Primary Owner: SAN DIEGO COUNTY WATER AUTHORITY

Primary Contact: SAN DIEGO COUNTY WATER AUTHORITY

Date Submitted: 2016-04-20

Application Number: A030243

Permit Number: 020787

Source(s) of Water	POD Parcel Number	County
UNST		San Diego

MAX Direct Diversion Rate: 0.0 GPD
 MAX Collection to Storage: 150.0 AC-FT
 Face Value: 150.0 AC-FT

Permitted Use(s)	Acres	Direct Diversion Season	Storage Season
Municipal	0.0		01/01 to 12/31
Recreational	0.0		01/01 to 12/31

1. Permit Review

I have reviewed my water right permit	Yes
---------------------------------------	-----

2. Compliance with Permit Terms and Conditions

I am complying with all terms and conditions	Yes
Description of noncompliance with terms and conditions	

3. Changes to the Project

Intake location has been changed	
Description of intake location changes	
Type of use has changed	
Description of type of use changes	
Place of use has changed	
Description of place of use changes	
Other changes	
Description of other changes	

4-6. Permitted Project Status

Project Status	Complete
6a. Construction work has commenced	
6b. Construction is completed	
6c. Beneficial uses of water has commenced	
6d. Project will be completed within the time period specified in the permit	
6e. Explanation of work remaining to be done	
6f. Estimated date of completion	

7. Purpose of Use

Municipal	3300000
-----------	---------

8. Amount of Water Diverted and Used

Month	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage E-3 (Acre-Feet)	Amount used (Acre-Feet)
-------	---	---	----------------------------

Exhibit E: Surface Water Diversion Compliance

January	0	8.3	0
February	0	5.6	0
March	0	22.1	0
April	0	9.3	0
May	0	19.7	0
June	0	4.1	0
July	0	10.5	0
August	0	0	0
September	0	16.2	0
October	0	8.4	0
November	0	9.7	0
December	0	22.1	0
Total	0	136.2	0
Type of Diversion	Both Direct Diversion and Diversion to Storage		
Comments	Of the 136.2 AF captured from runoff or direct rainfall, all water was lost to evaporation (513.9 AF).		

Water Transfers

8e. Water transferred	No
8f. Quantity transferred (Acre-Feet)	
8g. Dates which transfer occurred	/ to /
8h. Transfer approved by	

Water Supply Contracts

8i. Water supply contract	No
8j. Contract with	
8k. Other provider	
8l. Contract number	
8m. Source from which contract water was diverted	
8n. Point of diversion same as identified water right	
8o. Amount (Acre-Feet) authorized to divert under this contract	
8p. Amount (Acre-Feet) authorized to be diverted in 2015	
8q. Amount (Acre-Feet) projected for 2016	
8r. Exchange or settlement of prior rights	
8s. All monthly reported diversion claimed under the prior rights	
8t. Amount (Acre-Feet) of reported diversion solely under contract	

9. Maximum Rate of Diversion for each Month

Month	Maximum Rate of Diversion (CFS)
January	0
February	0
March	0
April	0
May	0
June	0
July	0
August	0
September	0
October	0

November	0	Exhibit E: Surface Water Diversion Compliance
December	0	

10. Storage					
Reservoir name	Spilled this year	Feet below spillway at maximum storage	Completely emptied	Feet below spillway at minimum storage	Method used to measure water level
Olivenhain Reservoir	No	14.7	No	22.9	Electronic

Conservation of Water	
11. Are you now employing water conservation efforts?	Yes
Description of water conservation efforts	Voluntary conservation efforts were in effect from May through December.
12. Amount of water conserved	

Water Quality and Wastewater Reclamation	
13. During the period covered by this Report, did you use reclaimed water from a wastewater treatment facility, water from a desalination facility, or water polluted by waste to a degree which unreasonably affects the water for other beneficial uses?	No
14. Amount of reclaimed, desalinated, or polluted water used	

Conjunctive Use of Groundwater and Surface Water	
15. During the period covered by this Report, were you using groundwater in lieu of available surface water authorized under your permit?	No
16. Amounts of groundwater used	

Additional Remarks

Attachments		
File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Chris
Last Name	Castaing
Relation to Water Right	Other: Authorized Official
Has read the form and agrees the information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]**SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2015**

Primary Owner: COUNTY OF SAN DIEGO, DISTRICT MANAGER, SAN LUIS REY RIVER PARKS OF REC.

Statement Number: S016188

Date Submitted: 2016-02-26

1. Water is used under	
2. Year diversion commenced	2005

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used				
Month	Rate of diversion	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January		0	0	0
February		0	0	0
March		0	0	0
April		0	0	0
May		0	0	0
June		0	0	0
July		0	0	0
August		0	0	0
September		0	0	0
October		0	0	0
November		0	0	0
December		0	0	0
Total		0	0	0
Type of Diversion	No Diversion			
Comments	Park was not operational			

Water Transfers	
8e. Water transfered	No
8f. Quantity transfered (Acre-Feet)	
8g. Dates which transfer occurred	/ to /
8h. Transfer approved by	

Water Supply Contracts	
8i. Water supply contract	No
8j. Contract with	
8k. Other provider	
8l. Contract number	
8m. Source from which contract water was diverted	
8n. Point of diversion same as identified water right	
8o. Amount (Acre-Feet) authorized to divert under this contract	
8p. Amount (Acre-Feet) authorized to be diverted in 2015	
8q. Amount (Acre-Feet) projected for 2016	
8r. Exchange or settlement of prior rights	

8s. All monthly reported diversion claimed under the prior rights

8t. Amount (Acre-Feet) of reported diversion solely under contract

5. Water Diversion Measurement

a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
c.	Additional technology used	
	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	
g.	Method(s) used as an alternative to direct measurement	
	Explanation of method(s) used as an alternative to direct measurement	

6. Purpose of Use

Other N/A

7. Changes in Method of Diversion

8. Conservation of Water

a.	Are you now employing water conservation efforts?	No
	Describe any water conservation efforts you have initiated	
b.	Amount of water conserved	Acre-Feet
	I have data to support the above surface water use reductions due to conservation efforts.	

9. Water Quality and Wastewater Reclamation

a.	Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
	Amount of reduced diversion	
	Type of substitute water supply	
b.	Amount of substitute water supply used	
	I have data to support the above surface water use reductions due to the use of a substitute water supply	

10. Conjunctive Use of Surface Water and Groundwater

a.	Are you now using groundwater in lieu of surface water?	No
b.	Amount of groundwater used	
	I have data to support the above surface water use reductions due to the use of groundwater.	

11a. Additional Remarks

Attachments E-7

File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Mark
Last Name	Massen
Relation to Water Right	Diverter of Record
The information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]**SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2015**

Primary Owner: COUNTY OF SAN DIEGO, DISTRICT MANAGER, SAN LUIS REY RIVER PARKS OF REC.

Statement Number: S016187

Date Submitted: 2016-02-26

1. Water is used under	
2. Year diversion commenced	2005

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used				
Month	Rate of diversion	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January		0	0	0
February		0	0	0
March		0	0	0
April		0	0	0
May		0	0	0
June		0	0	0
July		0	0	0
August		0	0	0
September		0	0	0
October		0	0	0
November		0	0	0
December		0	0	0
Total		0	0	0
Type of Diversion	No Diversion			
Comments	Park was not operational			

Water Transfers	
8e. Water transfered	No
8f. Quantity transfered (Acre-Feet)	
8g. Dates which transfer occurred	/ to /
8h. Transfer approved by	

Water Supply Contracts	
8i. Water supply contract	No
8j. Contract with	
8k. Other provider	
8l. Contract number	
8m. Source from which contract water was diverted	
8n. Point of diversion same as identified water right	
8o. Amount (Acre-Feet) authorized to divert under this contract	
8p. Amount (Acre-Feet) authorized to be diverted in 2015	
8q. Amount (Acre-Feet) projected for 2016	
8r. Exchange or settlement of prior rights	

8s. All monthly reported diversion claimed under the prior rights

8t. Amount (Acre-Feet) of reported diversion solely under contract

5. Water Diversion Measurement

a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
c.	Additional technology used	
	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	
g.	Method(s) used as an alternative to direct measurement	
	Explanation of method(s) used as an alternative to direct measurement	

6. Purpose of Use

Other N/A

7. Changes in Method of Diversion

8. Conservation of Water

a.	Are you now employing water conservation efforts?	No
	Describe any water conservation efforts you have initiated	
b.	Amount of water conserved	Acre-Feet
	I have data to support the above surface water use reductions due to conservation efforts.	

9. Water Quality and Wastewater Reclamation

a.	Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
	Amount of reduced diversion	
	Type of substitute water supply	
b.	Amount of substitute water supply used	
	I have data to support the above surface water use reductions due to the use of a substitute water supply	

10. Conjunctive Use of Surface Water and Groundwater

a.	Are you now using groundwater in lieu of surface water?	
b.	Amount of groundwater used	
	I have data to support the above surface water use reductions due to the use of groundwater.	

11a. Additional Remarks

Attachments

E-10

File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Mark
Last Name	Massen
Relation to Water Right	Diverter of Record
The information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]**REPORT OF LICENSEE FOR 2015**

Primary Owner: COUNTY OF SAN DIEGO-PUBLIC WORKS

Primary Contact: COUNTY OF SAN DIEGO-PUBLIC WORKS

Date Submitted: 2016-02-29

Application Number: A011052

License Number: 003639

Source(s) of Water	POD Parcel Number	County
SAN FELIPE CREEK		San Diego

MAX Direct Diversion Rate: 10000.0 GPD

MAX Collection to Storage: 0.0 AC-FT

Face Value: 11.2 AC-FT

Licensed Use(s)	Acres	Direct Diversion Season	Storage Season
Domestic	0.0	01/01 to 12/31	

1. Project Abandoned

The project has been abandoned and I request revocation of my water right license	No
---	----

2. Compliance with License Terms and Conditions

I have currently reviewed my water right license and I am complying with all terms and conditions	Yes
---	-----

Description of noncompliance with terms and conditions	
--	--

3. Changes to the Project

Intake location has been changed	
Description of intake location changes	
Type of use has changed	
Description of type of use changes	
Place of use has changed	
Description of place of use changes	
Other changes	
Description of other changes	

4. Purpose of Use

Domestic	Up to 6 Law Enforcement Officers
Irrigation	1 Acres Sod (lawn grass)

5. Amount of Water Diverted and Used

Month	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount used (Acre-Feet)
January	0.00102	0	0.00102
February	0.00102	0	0.00102
March	0.00102	0	0.00102
April	0.00102	0	0.00102
May	0.00307	0	0.00307
June	0.00307	0	0.00307
July	0.00307	0	0.00307
August	0.00307	0	0.00307
E-12			

September	0.00307	Exhibit E: Surface Water Diversion Compliance	0.00307
October	0.00102	0	0.00102
November	0.00102	0	0.00102
December	0.00102	0	0.00102
Total	0.02249	0	0.02249
Type of Diversion	Direct Diversion Only		
Comments			

Water Transfers

8e. Water transferred	No
8f. Quantity transferred (Acre-Feet)	
8g. Dates which transfer occurred	/ to /
8h. Transfer approved by	

Water Supply Contracts

8i. Water supply contract	No
8j. Contract with	
8k. Other provider	
8l. Contract number	
8m. Source from which contract water was diverted	
8n. Point of diversion same as identified water right	
8o. Amount (Acre-Feet) authorized to divert under this contract	
8p. Amount (Acre-Feet) authorized to be diverted in 2015	
8q. Amount (Acre-Feet) projected for 2016	
8r. Exchange or settlement of prior rights	
8s. All monthly reported diversion claimed under the prior rights	
8t. Amount (Acre-Feet) of reported diversion solely under contract	

6. Maximum Rate of Diversion for each Month

Month	Maximum Rate of Diversion (GPD)
January	333
February	333
March	333
April	333
May	1000
June	1000
July	1000
August	1000
September	1000
October	333
November	333
December	333

7. Storage

Reservoir name	Spilled this year	Feet below spillway at maximum storage	Completely emptied	Feet below spillway at minimum storage	Method used to measure water level

Conservation of Water

8. Are you now employing water conservation efforts?	Yes
--	-----

Exhibit E - Surface Water Diversion Compliance

Description of water conservation efforts	Installation of EPA "Water Sense" fixtures throughout the residence (Sheriff's sub-station) and DPW Equipment Storage Bldg.
9. Amount of water conserved	

Water Quality and Wastewater Reclamation

10. During the period covered by this Report, did you use reclaimed water from a wastewater treatment facility, water from a desalination facility, or water polluted by waste to a degree which unreasonably affects the water for other beneficial uses?	No
11. Amount of reclaimed, desalinated, or polluted water used	

Conjunctive Use of Groundwater and Surface Water

12. During the period covered by this Report, were you using groundwater in lieu of available surface water authorized under your license?	Yes
13. Amounts of groundwater used	

Additional Remarks

No surface water at this desert location.

Attachments

File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form

First Name	Eric
Last Name	Jones
Relation to Water Right	Primary Owner of Record
Has read the form and agrees the information in the report is true to the best of his/her knowledge and belief	Yes

Attachment 3 consists of the following items:

- ✓ **Work Plan.** This attachment includes a description of the tasks necessary to complete a comprehensive update to the San Diego IRWM Plan.

Proposal Objectives

The proposed work will result in a comprehensive update to the *2013 San Diego Integrated Regional Water Management Plan* (2013 IRWM Plan), which will achieve the following:

- A comprehensive update of the 2013 IRWM Plan, consistent with the Plan Standards in the Proposition 1 2016 Guidelines.
- A planning study in support of the IRWM Plan – the *Stormwater Capture Feasibility Study* (SWCFS) – that provides a comprehensive analysis and understanding of stormwater resource capture and reuse opportunities for the San Diego IRWM Region.
- Updated descriptions of the conditions, needs, and engagement of disadvantaged communities (DACs), economically distressed areas (EDAs), and underrepresented communities (URCs) in water resources management within the Region.

The proposed additions to the 2013 IRWM Plan will help to improve the San Diego IRWM Region's planning efforts in developing water supply reliability, improving water quality, and protecting natural resources. It will also allow the Region to pursue future Proposition 1 funding opportunities, and support efforts for improved integrated water management in the region.

Status of IRWM Plan and Proposed Updates

History of IRWM Planning in the San Diego Region

The San Diego IRWM Program was established in 2005, and published its first IRWM Plan two years later. The *2007 San Diego Integrated Regional Water Management Plan* (2007 IRWM Plan) laid the groundwork for enhanced collaborative, multi-benefit water resources projects by facilitating cooperation between public agencies and non-profit organizations. Following the Department of Water Resources' (DWR's) Region Acceptance Process (RAP), which formally approved the San Diego IRWM Region (Region) in 2009, and release of the *2012 IRWM Guidelines*, the San Diego IRWM Program chose to update its 2007 IRWM Plan. Throughout 2012 and 2013, regional stakeholders participated in workgroups and workshops to support development of the *2013 San Diego Integrated Regional Water Management Plan* (2013 IRWM Plan). Revisions to the IRWM Plan included incorporation of planning documents published since 2007, information produced from targeted planning studies, workshops, and workgroups that were conducted to address Region-specific issues, and development of comprehensive stakeholder outreach to disadvantaged communities (DACs) and tribes. The 2013 IRWM Plan allowed the Region to focus on updated priorities and issues, facilitate project integration, forge partnerships with a variety of stakeholders, implement lessons learned from the previous eight years of IRWM, and move the Region forward in implementing high-priority projects.

Throughout its history, the San Diego IRWM Program has consistently engaged stakeholders in a variety of meaningful ways at different stages of planning, funding, and information sharing. Maximizing stakeholder and community involvement is essential to the San Diego IRWM Program, and is included as a requirement for local implementation projects receiving IRWM funding through the San Diego IRWM Program. Although individual

organizations are encouraged to engage stakeholders when receiving funding, the IRWM Program's stakeholder engagement activities are not limited to periods when grant funding is available. The Region's existing governance structure includes a long-standing Regional Advisory Committee (RAC) comprising representatives from a variety of organizations and backgrounds. The RAC provides input on the IRWM Plan, directs the RWMG to pursue IRWM funding (including this Planning Grant Proposal), participates in workgroups to advance planning activities and project selection for grant application, and provides valuable perspectives to the RWMG. The RAC also allows the Region to use the IRWM Program as a forum for education, engagement, funding, and planning. The Region's stakeholder-driven planning process emphasizes the need for a consensus-based approach, and generally occurs through the RAC, RAC-based focused workgroups, and stakeholder workshops. With its ten-year history, the RAC has a reputation of cooperative information-sharing and decision-making. The Region relies on the RAC to listen fairly and consider the input of its stakeholders. This established and efficient structure will help to facilitate the IRWM Plan Update process, and provides an existing mechanism to develop targeted outreach to key groups during the planning process.

Need for Updates to the IRWM Plan

The 2013 IRWM Plan was developed to comprehensively document water management in the Region, identify updated regional water-related issues and needs, and lay out priorities and guidance to address updated needs and issues. Since adoption of the 2013 IRWM Plan there have been a number of changes to water resource regulations and management priorities. The Region has identified a need to comprehensively update its IRWM Plan as a result of the passage of multiple water-related pieces of legislation, an increased focus on beneficial reuse of stormwater as a result of the current drought, adoption of 2015 Urban Water Management Plans (UWMPs), other recent planning documents, updated requirements of the Region's Municipal Separate Storm Sewer System (MS4) Permit, and the ongoing success of the IRWM Program.

In reviewing the 2013 IRWM Plan for potential updates required to meet the 2016 Guidelines, the RWMG identified a need to revisit how stormwater is considered in the Region and in the IRWM Plan. The paradigm shift from stormwater as a source of flooding to be managed to a potential resource has created new opportunities for water management, while also presenting new challenges. As with other areas of water management, there is no "one size fits all" solution to managing stormwater as a resource. It is crucial to the success of stormwater management for the Region to develop a thorough understanding of the opportunities for beneficial capture and use of stormwater that is appropriate for the Region's environment (natural and human), and for this understanding to be folded back into the Region's assessment of its resources, needs, and priorities. The San Diego IRWM Program has made progress towards addressing a number of priorities and objectives through implementation of IRWM-funded projects, but has struggled to identify regionally appropriate stormwater projects that would both resolve stormwater-related issues and be competitive for much-needed grant funding. This struggle can be compounded by the stormwater priorities established by the State, which do not always align with the reality of stormwater management opportunities in the Region.

The 2016 Guidelines have also added additional requirements and language regarding tribes. The San Diego IRWM Program has made a concerted, ongoing effort to engage tribes, which has helped grow tribal participation in IRWM and build relationships with tribal representatives. The RAC includes a tribal representative, and the Region has seen an increase in tribal project submittals with each round of funding solicitation. The Region maintains a list of tribal contacts, who are contacted directly regarding funding opportunities and other important IRWM Program activities. Although the Region has seen improvements in its engagement with tribes, these lessons learned and improved processes are not captured in the 2013 IRWM Plan.

Proposed Updates Associated with 2016 Guidelines

The 2016 Guidelines outline three major areas of the Plan that require legislative updates since the 2012 Plan Standards that are relevant to the Region, along with one area that is not part of the revised Plan Standards but represents a substantial change since the 2013 IRWM Plan. Although the 2013 IRWM Plan Update took the first step towards addressing the issues included in these requirements, several improvements are still needed.

The following summarizes how the 2013 IRWM Plan will be updated to address legislative updates in the 2016 Guidelines:

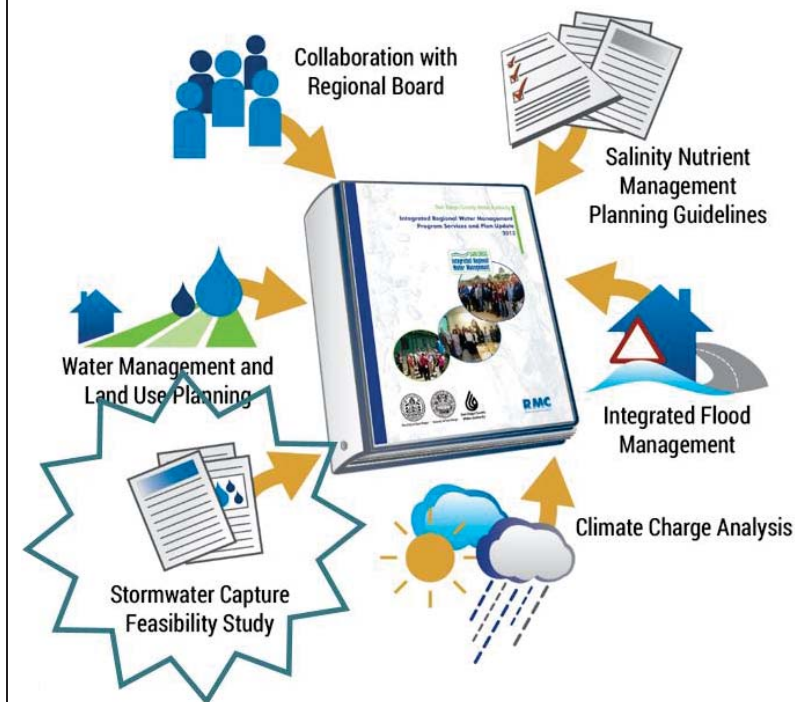
- **Water Quality - AB 1249:** Requires IRWM Plan to adequately address nitrate, arsenic, perchlorate, and hexavalent chromium contamination. The 2013 IRWM Plan includes an assessment of water quality issues for the Region (see Chapter 3: Region Description) and for each watershed (see Chapter 5: Watersheds). Of the four constituents called out in AB 1249, nitrate is identified as an issue in the Carlsbad Watershed for surface water and the San Juan, San Luis Rey River, and San Dieguito River Watersheds for groundwater. Perchlorate was identified as an issue in the Tijuana River Watershed surface water. The 2013 IRWM Plan will be updated to fully characterize each relevant constituent, and management actions that may be employed to address contamination issues associated with each constituent.
- **Climate Change - Water Code §79742:** Requires an IRWM Plan and its projects to contribute to addressing risks to water supply and water infrastructure in the region arising from climate change. The San Diego IRWM Region completed a Climate Change Vulnerability Analysis during development of the 2013 IRWM Plan Update. A Climate Change discussion was included in Chapter 3: Region Description and Chapter 7: Regional Coordination. Climate change is also directly incorporated into Chapter 2: IRWM Plan Objectives through Objective K: "Effectively address climate change through greenhouse gas reduction, adaptation, or mitigation in water resource management." However, several deficiencies exist, primarily related to sea level rise adaptation within the coastal areas, which will be addressed in the comprehensive IRWM Plan update.
- **Groundwater Management:** Requires explanation of new legislation associated with the Sustainable Groundwater Management Act (SGMA), potentially affected basins in the Region, and an overview of next steps. The 2013 IRWM Plan includes some discussion of groundwater in Chapter 3: Region Description and Chapter 5: Watersheds. Since adoption of the 2013 IRWM Plan, groundwater management has changed significantly as a result of recent groundwater legislation (SGMA), statewide concerns regarding groundwater sustainability, and increased interest in aquifers as resources for supply, storage, and future potable reuse. The 2013 IRWM Plan will be updated to fully capture how the Region anticipates approaching groundwater management in light of considerations imposed by recent legislation and the political environment.
- **Stormwater - SB 985:** Requires development of stormwater resources plans (SWRPs), and incorporation of SWRPs and associated information into the relevant IRWM Plan. The 2013 IRWM Plan includes a discussion of stormwater, but does not yet include a SWRP. In the past, stormwater has not been viewed as a substantial opportunity for water resource growth in the Region due to a combination of factors. These factors include a lack of large or useable aquifers for recharge and stormwater quality concerns in the lower, urbanized watersheds. Due to the nature of the Region's groundwater basins, there are physical and land use factors that limit traditional stormwater reuse opportunities. Efforts are underway to improve eligibility of stormwater projects for funding through development of the County of San Diego's *San Diego Regional Stormwater Resource Plan* (Regional SWRP), which is anticipated to be complete in early 2017. The Regional SWRP is focused on stormwater management and dry weather water quality improvements. The 2013 IRWM Plan will be updated to reflect a more comprehensive analysis of stormwater resources in the Region.

Proposed Updates for Stormwater Capture Feasibly Study

In addition to changes that need to be made to the 2013 IRWM Plan to address legislative updates, a planning study for stormwater capture and reuse is necessary to address critical stormwater-related questions that have arisen since 2013. The 2013 IRWM Plan was built from five special planning studies that were prepared concurrent with the 2013 IRWM Plan. The focus of these studies was to provide in-depth, region-specific analyses of key issues that were not addressed in the 2007 IRWM Plan, including: water planning, regulatory programs, salinity planning, climate change planning, and flood control planning. The planning studies were integral to the 2013 IRWM Plan, and led to a series of action items that were incorporated into the 2013 IRWM Plan (see Chapter 11: Implementation). Agencies and organizations participating in the San Diego IRWM Program volunteered to implement many of the recommendations of these studies. Of the forty recommended action items, four were incorporated directly into the 2013 IRWM Plan and twenty-one have been completed or are underway as of this writing. Some of the action items include designating liaisons with regulatory bodies (e.g., a designated IRWM representative to attend Regional Water Quality Control Board meetings), while others include hosting targeted public workshops, preparation of a model stormwater ordinance, and coordinating the IRWM Plan with the San Diego Regional Water Quality Control Board's Practical Vision.

When reviewing the action items against the 2016 Guidelines, it is clear that the stormwater-related action items, which stemmed from the Integrated Flood Management Planning Study, are focused almost entirely around flood issues. There is a distinct gap in the planning studies and action items for considering and implementing stormwater as a resource in the Region. Development of a proposed SWCFS, and its incorporation into the IRWM Plan, will help to fill these gaps. Developing the SWCFS concurrently with the proposed 2016 IRWM Plan Update will ensure coordination between the two planning efforts, while allowing for the inclusion of updated stormwater management goals into the 2016 IRWM Plan Update.

The 2016 San Diego IRWM Plan Update will include a new "special study" – the Stormwater Capture Feasibility Study – to augment the five studies completed in 2013.



The primary goal of the SWCFS is to provide a document that would help to inform and guide the Region's decisions regarding stormwater projects moving forward. This goal would be accomplished by ensuring that the SWCFS involves both a data-driven analysis of the feasibility and practicality of traditional stormwater capture (e.g., retention basins for groundwater recharge), and includes an examination of potential opportunities for non-traditional stormwater capture and use (e.g., diversion to recycled water treatment plants). The inclusion of these stormwater updates will help to better identify projects that focus on stormwater management on a regional-scale. Furthermore, additional MS4 permit restrictions have been placed on stormwater runoff since 2013. By updating the IRWM Plan to include information about new restrictions and regulations, the IRWM Plan will serve as a comprehensive resource document for interested stakeholders.

Proposed Updates for DACs, EDAs, and URCs

The 2016 Guidelines include an expanded set of definitions for communities experiencing hardship and challenges to participation. The disadvantaged communities (DAC) definition used by DWR was considered inadequate to capture all of the areas of need in the state. As a result, DWR has added two additional classifications of need: economically distressed areas (EDAs) and underrepresented communities (URCs). The 2013 IRWM Plan has a fairly extensive discussion of DACs in the Region, along with information about the location and needs of DACs. However, the addition of EDAs and URCs to DWR's IRWM lexicon has created a gap in truly capturing the needs of the more vulnerable communities in the Region. DACs and some EDAs are relatively easy to locate, thanks to DWR's existing DAC and EDA mapping tools and readily defined criteria. However, two EDA criteria are left to local regions to define: 1) reasonably isolated community or segment of municipality and 2) financial hardship. Similarly, URCs are not defined by DWR or by statute. Examples of URCs are tribes, which have historically had limited representation and participation in local initiatives. Other URCs may include, but are not limited to, homeless populations, transient workers, temporary or seasonal populations, undocumented workers, small mutual water companies, minority groups, youth, and non-English speakers. Because DWR has allowed IRWM Regions to interpret the definitions of EDA and URC, the 2013 IRWM Plan needs to be updated to provide guidance and thresholds for determining whether a community meets these definitions, and evaluate the current locations and needs of EDAs and URCs.

Work Completed

This section includes a description of work that has already been completed and is related to the proposed 2016 IRWM Plan Updates identified in the Work Plan (Proposed Work), below.

Category (a): Project Administration

The grant applicant, SDCWA, has an established an online system (Webtool) for facilitating reporting and invoicing to DWR. Fifty-six local project sponsors have successfully used the Webtool during four grant programs to date. This system helps to streamline the administration of funds, and helps to ensure compliance with requirements of the grant agreement along with timely submittal of materials to DWR. As identified in *Task 1 Grant Administration*, the Webtool will require updates for use during administration of this Planning Grant.

Category (b): Plan Update

Pursuant to SB 985 requirements, incorporation of the Regional SWRP is a critical component of the 2016 IRWM Plan Update. The Regional SWRP is currently underway and will be completed by February 1, 2017, prior to the incorporation of stormwater updates into the IRWM Plan (*Task 6*). The Regional SWRP will list and prioritize projects identified in the Region's eight Water Quality Improvement Plans (WQIPs) in a centralized planning effort. The focus of stormwater projects in the WQIPs is water quality improvement associated with the MS4 permit and total maximum daily loads (TMDLs). Though the Regional SWRP will prioritize projects which provide multiple benefits to maximize water supply, water quality, and environmental and other community benefits (the "IRWM approach!"). That said, regional stakeholders have concluded that the Regional SWRP will lack projects that capture stormwater for beneficial reuse. Detailed GIS-based analysis is needed to understand the precise locations within the Region that could support stormwater capture for groundwater recharge, diversion to wastewater systems, or direct reuse for non-potable irrigation. This detailed analysis has been proposed as a separate planning study in *Task 5* below. The Regional SWRP will host two workshops in coordination with RAC meetings (in October and December 2016) to ensure consistency between the Regional SWRP and the 2016 IRWM Plan Update.

Category (c): IRWM Plan Outreach

The San Diego IRWM Program's RAC will help support and guide the IRWM Plan Update process by discussing updates and facilitating workgroups and stakeholder outreach. No outreach work has been completed specifically for the 2016 IRWM Plan Update beyond proposing the update to the RAC for input and approval.

Proposed Work

The proposed work in this Planning Grant Proposal would be implemented by SDCWA, representing the RWMG, and by the County of San Diego. SDCWA will be responsible for leading grant administration, updates to the IRWM Plan, and IRWM Plan-related outreach. The County of San Diego is considered a Local Project Sponsor (LPS), and will be responsible for leading the SWCFS effort and associated outreach. As an LPS, the County of San Diego will also be responsible for grant administration related to their activities under this grant. The County will partner with the other MS4 Copermittees in the Region for development of the SWCFS.

Category (a): Project Administration

Category (a) includes three tasks: grant administration, invoicing, and reporting. These activities are directly related to administration of the grant agreement and fulfilling the reporting and invoicing requirements of the grant agreement.

Task 1: SDCWA Grant Administration (3% complete)

This task will include all work associated with grant administration by the applicant (SDCWA). SDCWA's IRWM Grant Administration Program (GAP) team will lead reporting and compliance requirements associated with the grant. Grant administration activities include contract administration and coordination, invoicing and reporting to DWR, budget development and monitoring, and refinement of SDCWA's Webtool, which is used to assist tracking of grant agreement requirements:

- **Contract Administration and Coordination:** SDCWA's GAP team will respond to DWR's reporting and compliance requirements associated with the grant administration for the project, and will coordinate with the LPS project manager responsible for implementing project activities (specifically *Tasks 5 and 7*) as described in the grant funding agreement. As an initial task, the GAP team will process the grant funding agreement with DWR and then develop the LPS agreement with the County of San Diego. This task also involves tracking of grant agreement requirements, and ensuring that requirements are satisfied throughout the grant administration period. The GAP team will serve as the primary liaison between the grantor (DWR) and the LPS, and will report to the RAC and the RWMG, periodically, on the project's progress, funding status, and other relevant issues.
- **Invoicing:** SDCWA's GAP team will be responsible for compiling invoices for submittal to DWR. This includes collecting invoice documentation and compiling the information into a DWR Invoice Packet. This also includes disseminating payments received from the grantor to the LPS.
- **Reporting:** SDCWA's GAP team will be responsible for compiling quarterly progress reports for submittal to DWR. Staff will coordinate with the LPS in the preparation and submittal of the Quarterly Progress Reports and Completion Report for the project. Staff will ensure that reports meet generally accepted professional standards for technical reporting, and the requirements described in the funding agreement.
- **Budget Development and Monitoring:** SDCWA's GAP team will be responsible for *Task 1* development, as well as monitoring and tracking the entire project's budget, as described in the grant and LPS agreements.
- **Webtool Development:** SDCWA's GAP team will expand the existing Webtool for the Planning Grant Program. Currently, the Webtool has capabilities to track IRWM Implementation Grants; an additional module will be added to the Webtool so that it can track the Planning Grant. This task also includes development, monitoring, and maintaining the Webtool site through the life of the grant.

Task 1 Deliverables:

- Grant Agreement with DWR
- Invoices and associated backup documentation
- Quarterly Progress Reports
- Grant Completion Reports

Task 2: LPS Invoicing (0% complete)

Task 2 includes the work required for the LPS (County of San Diego) and its project team to prepare invoices for submittal to SDCWA's Webtool. This includes collecting invoice documentation, reviewing and annotating invoices for eligible costs, preparing required forms, and submitting material to SDCWA's Webtool. This task also includes revisions to submitted materials that may be requested by SDCWA or DWR, as well as tracking and monitoring of the LPS budget and grant reimbursements.

Task 2 Deliverables:

- LPS invoices and associated backup documentation to SDCWA Webtool

Task 3: LPS Reporting (0% complete)

Task 3 includes the work required for the LPS and its project team to prepare Quarterly Progress Reports and the Completion Report for their activities, as well as to submit these reports to SDCWA's Webtool. This task also includes revisions to submitted materials that may be requested by SDCWA or DWR. SDCWA will provide assistance to the County under this task to ensure invoice and reporting packages meet the requirements of the grant agreement to minimize revisions, an approach that has proven successful in the past to facilitate on-time and complete submittals.

Task 3 Deliverables:

- Submission of quarterly and final reports to SDCWA Webtool

Category (b): Plan Update

Category (b) includes work associated with preparing the 2016 IRWM Plan Update. Stakeholder outreach associated with the IRWM Plan Updates will be completed under Category (c). Tasks include updates in response to recent legislation, development of the in-depth analysis of stormwater capture opportunities, and incorporation of a refined analysis of DACs, EDAs, and URCs into the text of the IRWM Plan.

Task 4: 2016 IRWM Plan Update (0% complete)

Subtask 4.1: 2016 Guidelines Updates

Subtask 4.1 will update the San Diego IRWM Plan to be consistent with the 2016 Proposition 1 IRWM Plan Standard Requirements. Updates in this task are organized by IRWM Plan chapter, and address the changes from the 2012 Plan Standards to the 2016 Plan Standards identified in Appendix H of the 2016 Guidelines. These Plan Standard changes include the legislative requirements approved after release of the 2012 Guidelines (AB 1249, Water Code §79742), improved coordination processes with and acknowledgment of Tribal Communities and their sovereignty, and greenhouse gas (GHG) reduction considerations. The 2016 Guidelines also acknowledge the importance of SGMA, and the Region has identified this as a needed update in addition to those in the 2016 Guidelines. Updates associated with SB 985 have been incorporated into *Subtask 4.2*, and are not included in this subtask. A crosswalk of the IRWM Plan updates required for compliance with the 2016 Guidelines is provided in **Exhibit F**, and include, but are not limited to:

- **Region Description Updates:** The Region Description will be thoroughly updated to reflect new supply and demand analyses from the 2015 UWMPs. Additional detail pertaining to AB 1249 is needed when describing water quality conditions. AB 1249 requirements include updates to or inclusion of discussion of nitrate, arsenic, perchlorate, or hexavalent chromium contamination, as applicable to the San Diego IRWM Region. Per Water Code §10541.(e)(14), updates to the Region Description will also include discussion of actions to address these contaminants, as applicable. The Update also requires a description of Climate Change impacts as determined by the San Diego Region's climate change vulnerability assessment, which was previously incorporated in the 2013 IRWM Plan. The final substantial change to the Region Description under this subtask are SGMA-related updates that reflect recent changes in groundwater classifications and management that have resulted from compliance efforts for SGMA. DAC, EDA, and URC updates to the Region Description will be incorporated under *Subtask 4.3*.

- **Plan Objectives Updates:** The Plan Objectives must address adaptation to changes in water supply conditions, in particular due to sea level rise. The Plan must also consider and evaluate different ways energy consumption reductions may be integrated into IRWM plan objectives. The San Diego IRWM Region will evaluate its 2013 IRWM Plan Objectives for potential updates to refine the ability of objectives to address sea level rise adaptation, reduction in water-related energy consumption, inclusion of California Air Resources Board's (CARB's) AB 32 Scoping Plan strategies, and carbon sequestration and renewable energy use, as applicable.
- **Resource Management Strategies (RMS) Updates:** RMS updates will add or expand discussion of how climate change effects identified in the climate change vulnerability assessment from the 2013 IRWM Plan are factored into the RMS and how well-suited the RMS and other adaptation strategies are for eliminating or minimizing these vulnerabilities. Updates will also include updating RMS to align with the 2013 California Water Plan Update, as appropriate.
- **Project Review Process Updates:** Updates to the project review process will add consideration of a project's contribution to climate change adaptation, as appropriate. Such considerations may include whether adaptations to water management systems are required in light of potential effects of climate change, contribution of the project to adapting to identified climate change vulnerabilities, changes to runoff and recharge, and effects of sea level rise on water supply conditions. The project review process update will also incorporate revisions to consideration of GHG emissions, including the contribution of projects to reducing GHGs compared to alternatives, the ability of projects to reduce GHG emissions, and their ability to reduce GHG emissions from energy use.
- **Plan Performance and Monitoring Updates:** Revisit the plan performance and monitoring section for inclusion of policies and procedures that promote adaptive management for climate change, and whether the IRWM Plan addresses specific benefits to critical water issues for Native American Tribal Communities.
- **Local Water Planning Update:** Updates to this section will include incorporation of water management issues and climate change adaptation and mitigation strategies from local plans that were developed after adoption of the 2013 IRWM Plan. This will include incorporation of water demand and supply updates from 2015 UWMPs in the region. The SWRP will be incorporated under *Task 6*, below.
- **Local Land Use Planning Updates:** IRWM Plan must demonstrate information sharing and collaboration with regional land use planning to adapt water management systems to climate change. This section will be reviewed and updated as necessary to reflect current information sharing and collaboration.
- **Stakeholder Involvement Updates:** The 2013 IRWM Plan's public process for participation and outreach will be reviewed and assessed for potential improvements. Discussion of tribal outreach will be updated, with consideration of lessons learned and additional discussion of tribal sovereignty and government-to-government communication, as necessary.
- **Climate Change Updates:** The vulnerability assessment previously incorporated into the 2013 IRWM Plan will be reviewed and updated as necessary, including the list of prioritized vulnerabilities and the feasibility of addressing each. The climate change discussion in the 2016 IRWM Plan Update will include addressing adaptation to change in runoff and recharge, as well as consideration of the effects of sea level rise on water supply conditions and suitable adaptation measures. As appropriate, the IRWM Plan will be updated to provide a process that considers GHG emissions as part of project selection. Additional requirements address adaptation to changing water resource patterns and sea level rise.

Subtask 4.2: SWCFS and Regional SWRP Updates

Information from the SWCFS (refer to *Task 5*) and Regional SWRP (being completed independent of the IRWM Plan Update process) will be incorporated into the 2016 IRWM Plan Update. This task includes work necessary to incorporate SWCFS and Regional SWRP information into the relevant sections of the 2016 IRWM Plan Update, including the Introduction, Region Description, Watershed Description, Regional Coordination, Resource Management Strategies, and Data and Technical Analysis chapters (see Exhibit F: 2016 IRWM Plan Crosswalk).

All changes will be made in track changes format so that the RWMG may easily view and review changes that have been incorporated.

Subtask 4.3: DAC, EDA, and URC Updates

This task involves updates to the existing 2013 IRWM Plan write-up to expand and refine DAC, EDA, and URC issues and needs within the region. DACs are defined by DWR, while EDAs are defined by statute, with ability for IRWM Regions to self-define specific criteria. DWR defines DACs as communities with a median household income (MHI) less than 80% of statewide MHI. EDAs are communities with an MHI less than 85% of statewide MHI that are rural or reasonably isolated and divisible segment of a larger municipality in which the segment's population is 20,000 or less. In addition, an EDA must be experiencing financial hardship or unemployment >2% of statewide average or low population density. The updates in this subtask will include a definition of those EDA criteria that are not defined by the statute. URCs are currently undefined; the updates will include a definition of the region's URCs.

This subtask includes two major components, while outreach is included under *Subtask 6.2*.

- **Define DACs, EDAs, and URCs:** Component 1 is to define DACs, EDAs, and URCs. This component will include development of draft definitions by the RWMG of such terms as isolated communities, financial hardship, and URCs. This task involves development of GIS shapefiles for DACs, EDAs, and URCs within the San Diego IRWM Region. A GIS specialist will use local population data, land use, and other data as appropriate, to create shapefiles showing the location of isolated communities, communities with financial hardship, and underrepresented communities. These shapefiles will be combined with data from the DWR DAC mapping tool and DWR EDA mapping tool to create a map of DACs, EDAs, and URCs within the San Diego IRWM Region.
These definitions and maps will be presented at one of the DAC, EDA, and URC workshops (see *Subtask 6.2*), which will be noticed to known organizations who work closely with DACs, EDAs, and URCs. This workshop will also be noticed to the Region's 18 Tribal Nations. Following incorporation of feedback from the targeted workshop, a refined set of definitions and maps will be presented to the RAC and the public at one of the regularly scheduled RAC meetings (see *Subtask 6.1*). Following input from the RAC, these definitions will be refined, finalized, and approved.
- **Update Needs Assessment:** The findings from the DAC Outreach Workshops (see *Subtask 6.2*) will be consolidated into an updated narrative for the IRWM Plan Update addressing DAC, EDA, and URC water management needs and issues throughout the Region. The DAC Needs Assessment Table included in Appendix A of the 2016 DAC Involvement RFP will be completed for the DACs, EDAs, and URCs identified within the San Diego IRWM Region. A draft of the Needs Assessment in the IRWM Plan will be circulated to the RWMG for review. Following incorporation of RWMG members' comments, the draft Needs Assessment will be published for review by the RAC and the public. Announcements about release of the draft Needs Assessment will be circulated widely and presented at both a targeted DAC workshop (*Subtask 6.1*) and a RAC meeting (*Subtask 6.2*). Comments received on the draft will be incorporated into the 2016 IRWM Plan Update.

Subtask 4.4: Draft 2016 San Diego IRWM Plan Update

Following RWMG review and comments on the draft chapter updates from *Subtasks 4.1* through *4.3*, the revised chapters will be consolidated into an Administrative Draft 2016 IRWM Plan Update that will be reviewed by the RWMG. Comments from the Administrative Draft will be incorporated and turned into a Public Draft 2016 IRWM Plan Update that will be made available for review by the RAC and the public.

Subtask 4.5: Final 2016 San Diego IRWM Plan Update

Following the Stakeholder Workshop (see *Subtask 6.1*) and the close of the public comment period, comments will be compiled into a matrix for discussion with the RWMG. A Draft Final 2016 IRWM Plan Update will incorporate and address public comments, and will be submitted to the RWMG for review. Once the Draft Final IRWM Plan Update has been reviewed by the RWMG, comments will be incorporated into a Final 2016 IRWM Plan Update that will be produced for release to the RAC and the public. The Final 2016 IRWM Plan Update will be made available on the existing IRWM Program website for easy download and access by stakeholders.

Subtask 4.6: Plan Review and Coordination with DWR

Following preparation of the Final 2016 IRWM Plan Update, a matrix that demonstrates the manner in which the 2016 IRWM Plan Update meets the Final 2016 Proposition 1 IRWM Guidelines will be prepared. This 2016 Plan Review Matrix will be provided to DWR to assist with review of the 2016 IRWM Plan Update under the 2016 Plan Review Process. This task also includes compilation of deliverables and other necessary materials to prepare final project close-out work associated with the Planning Grant. This task marks the period in which the IRWM governing bodies will adopt the 2016 IRWM Plan Update. IRWM Plan Adoption is not included as part of this task.

Task 4 Deliverables:

- Draft DAC/EDA/URC Needs Assessment Narrative
- Public Draft 2016 San Diego IRWM Plan Update
- Final 2016 San Diego IRWM Plan Update
- 2016 Plan Review Matrix

Task 5: Stormwater Capture Feasibility Study (0% complete)

In addition to the updates needed in *Task 4*, the stormwater-related updates will include the development of the SWCFS, which will be used to expand and strengthen the stormwater discussion in the IRWM Plan, and help to identify and prioritize future stormwater projects to augment water supply and other beneficial uses, where feasible, in the Region.

Subtask 5.1: Project Coordination, Data Collection, and Existing Conditions Analysis

Work within this subtask will include the collection and review of background information related to stormwater capture and use. This will include a comprehensive analysis of existing centralized and decentralized stormwater capture facilities, projects, and programs in the County of San Diego watersheds that drain to the Pacific Ocean that may affect stormwater capture and use within the County, including the 18 incorporated cities in the County, the San Diego Port and the San Diego Regional Airport. It will also involve the compilation of stormwater capture and related policies, incentives, and ordinances at the local, regional, state, and federal levels; and standard provisions provided in the SWRCB's Storm Water Resource Plan Guidelines. In addition, there will also be a review of the current plans and studies in the County related to stormwater capture, including implementation strategies for both local and regional efforts. A technical memorandum (TM) will be produced that summarizes the results of the existing conditions analysis.

Subtask 5.2: Technical Feasibility Analysis of Stormwater Capture and Use

This subtask will quantify the amount of stormwater potentially available for capture in each watershed and sub-watershed within the County or discharging into County jurisdiction using modeling tools or other analyses as described below. The analysis will distinguish between stormwater potentially available for capture and the potential use of captured stormwater. A TM will be produced describing the modeling approach, key findings, and conclusions.

Subtask 5.3: Implementation Approach for Stormwater Capture and Use

The implementation approach subtask includes the need to prioritize/rank specific areas, projects and/or alternatives to increase stormwater capture and use. Areas, projects, or alternatives would be classified in relation to potential benefits to water supply as well as water quality, water conservation, flood control, peak flow management, and open space enhancements for habitat and recreation. Regulatory or other institutional constraints would be identified for each category. The implementation approach would align with the technical feasibility alternatives identified in *Subtask 5.2*. Relevant public and private stakeholders would be identified for each area, project and/or alternative along with opportunities for integration with existing watershed initiatives to provide multiple benefits. A TM will be produced describing the implementation approach and analysis, along with a ranking areas, projects, and alternatives.

Subtask 5.4: Cost Analysis of Stormwater Capture Alternatives

This subtask will include the development of a cost analysis for the highest ranking potential stormwater capture projects, areas, and alternatives identified in *Subtask 5.3*. The cost analysis will consider design, construction and operation & maintenance (including annual maintenance, periodic rehabilitation, and complete replacement depending on lifespan). Costs will be developed in current dollars and potential funding sources and mechanisms will be identified. A TM will be produced describing the cost analysis methodology and summary of costs for each area, project, or alternative.

Subtask 5.5: Draft and Final SWCFS

A Draft and Final SWCFS will be prepared that summarizes information from *Subtasks 5.1* through *5.4* and provides a coherent analysis of the feasibility of stormwater capture and use in San Diego County. A pre-draft outline of the SWCFS will be prepared for review and comment by the County and its MS4 Copermittee partners, followed by a Draft SWCFS for review and comment by the County and its MS4 Copermittee partners. The draft report will be revised to address the County's comments and a Final SWCFS prepared that will include a presentation to the RAC (see *Task 7*).

Task 5 Deliverables:

- TM summarizing the existing conditions analysis
- TM describing the modeling approach, key findings, and conclusions
- TM describing the implementation approach and analysis
- TM describing cost analysis
- Draft *Stormwater Capture Feasibility Study*
- Final *Stormwater Capture Feasibility Study*

Category (c): IRWM Plan Outreach

The IRWM Plan Outreach category includes outreach tasks such as RAC updates, stakeholder workshops, and targeted outreach to DACs, EDAs, and URCs.

Task 6: 2016 IRWM Plan Update Outreach (0% complete)

Activities conducted under this task pertain to the development of the updates for technical topics associated with the 2016 IRWM Plan Update.

Subtask 6.1: RAC Updates and Stakeholder Workshop

During development of the IRWM Plan Update, workshop materials will be prepared for presentation to the RAC to garner their input and direction on specific elements (chapters) of the IRWM Plan Update. These workshops will be held as part of regularly-scheduled RAC meetings, and will be noticed through the existing San Diego IRWM stakeholder list. Up to four (4) RAC updates will be prepared. Feedback received during the workshops will be incorporated into the 2016 IRWM Plan Update.

Following completion of the Public Draft 2016 IRWM Plan Update, the RWMG will conduct a stakeholder workshop with the RAC and any other interested stakeholders that will be noticed through the existing San Diego IRWM stakeholder list, and will include any additional identified parties. The Public Draft 2016 IRWM Plan Update will also be publicly noticed in compliance with Government Code §6066. The workshop will provide an opportunity for stakeholders to provide input on the IRWM Plan Update, including open question and answer sessions. Presentation, agenda, and materials with input from the RWMG will be prepared for the meeting.

Subtask 6.2: DAC, EDA, and URC Outreach

Targeted outreach is required to identify the needs of EDAs and URCs, and revisit DAC needs at the community level. The 2013 IRWM Plan presents DAC needs by Urban and Rural DACs, but not on the community level. The San Diego IRWM Region will host a series of three (3) workshops for DACs, EDAs, and URCs to help complete the DAC Needs Assessment for the Region. Workshops will be held in various locations in the Region. The purpose of these workshops will be to identify water-related issues within the communities that are highest priority. The DAC Needs Assessment Table will serve as the guiding document for the discussion.

Task 6 Deliverables:

- Agenda for up to four (4) RAC Updates on IRWM Plan Update
- Agenda for the Public/Stakeholder Workshop on IRWM Plan Update
- Agenda for up to three (3) DAC, EDA, and URC Outreach Workshops

Task 7: SWCFS RAC Updates

In addition to the RAC Updates included in *Task 6.1*, up to three (3) workshops will be held with the RAC to solicit input on the SWCFS as it progresses. These workshops will be held as part of regularly-scheduled RAC meetings, and will be noticed through the existing San Diego IRWM stakeholder list and the MS4 Copermittees. These workshops may be held at the same RAC meetings as one or more of the RAC Updates in *Task 6.1*, depending on the status of the 2016 IRWM Update and the SWCFS. Feedback received during these workshops will be incorporated into the SWCFS, and ultimately contribute to the 2016 IRWM Plan Update.

Task 7 Deliverables:

- Agenda for up to three (3) RAC Updates on SWCFS

Exhibit F: 2016 IRWM Plan Crosswalk

The attached crosswalk identifies the proposed updates to the 2013 IRWM Plan that would be made under *Task 4* for the proposed 2016 IRWM Plan Update.

Page intentionally left blank.

Exhibit F: Proposed 2016 IRWM Plan Updates

Plan Standard / Eligibility Criteria	Updated 2016 Plan Requirement	IRWM 2016 Guidelines Page Number	Location in 2013 IRWM Plan	Current Information	Description of Update
2013 IRWM Chapter 1: Introduction					
SB 985 - Water Code §10562 (b)(7)	Requires the development of a stormwater resource plan and compliance with these provisions.	12	Section 1.3	Description of stormwater matters pertaining to RWMG agencies, including current permits and stormwater management responsibilities.	Update section to reflect new information about stormwater matters discussed in Regional SWRP and SWCFS.
SB 985 - Water Code §10562 (b)(7)	Requires the development of a stormwater resource plan and compliance with these provisions.	12	Section 1.4	Description of stormwater-related issues.	Update section to reflect new stormwater-related issues described in Regional SWRP and SWCFS.
2013 IRWM Chapter 2: Vision and Objectives					
Water Code §79742 (e) 2016 IRWM Plan Standard: Climate Change	Requires the IRWM plan contributes to addressing risks in the region to water supply and water infrastructure arising from climate change. Specifically, address adapting to changes in the amount, intensity, timing, quality and variability of runoff and recharge.	11, 39	Section 2.7	Objective K focuses specifically on adapting to potential effects of Climate Change, including rainfall variability.	Incorporate additional information from Regional SWRP and SWCFS, as applicable.
Water Code §79742 (e) 2016 IRWM Plan Standard: Plan Objective	Consider the effects of sea level rise (SLR) on water supply conditions and identify suitable adaptation measures.	39	Section 2.7	Objective K focuses specifically on adapting to potential effects of Climate Change, including SLR.	Incorporate a more detailed discussion of the impacts of SLR, as appropriate.

Plan Standard / Eligibility Criteria	Updated 2016 Plan Requirement	IRWM 2016 Guidelines Page Number	Location in 2013 IRWM Plan	Current Information	Description of Update
2016 IRWM Plan Standard: Plan Objective	Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.	39	Section 2.7	Objective K focuses specifically on adapting to potential effects of Climate Change, including reducing energy consumption.	Reexamine discussion of energy consumption reduction. Incorporate additional information, as appropriate.
Water Code §79742 (e) 2016 IRWM Plan Standard: Plan Objective	Consider options for carbon sequestration and using renewable energy where such options are integrally tied to supporting IRWM Plan objectives.	39	Section 2.7; Section 2.10 (Table 2-2)	Objective A includes “Sustainability” as an integration category. Sustainability is defined as meeting the needs of the present without compromising future ability to meet needs. Objective K focuses on climate change via GHG reduction, adaptation, or mitigation. Objective K targets includes energy efficiency measures.	Evaluate if options for carbon sequestration and renewable energy use can be integrated into IRWM Plan objectives. Include a description of these options, if applicable.
Water Code §79742 (e) 2016 IRWM Plan Standard: Plan Objective	Requires the IRWM plan contributes to addressing risks in the region to water supply and water infrastructure arising from climate change. Specifically, address adapting to changes in the amount, intensity, timing, quality, and variability of runoff and recharge.	11, 42-44	Section 2.7	Objective K focuses specifically on adapting to potential effects of Climate Change, including rainfall variability.	Incorporate additional information from Regional SWRP and SWCFS about changes in runoff and recharge, if necessary.

Plan Standard / Eligibility Criteria	Updated 2016 Plan Requirement	IRWM 2016 Guidelines Page Number	Location in 2013 IRWM Plan	Current Information	Description of Update
Water Code §79742 (e) 2016 IRWM Plan Standard: Plan Objective	Water Code §79742 (e) requires the IRWM plan contributes to addressing risks in the region to water supply and water infrastructure arising from climate change. Specifically, provide a process that considers GHG emissions when choosing between project alternatives (CWC §10541 (e)(9)). Addition in 2016 GL - "At a minimum, that process must determine a project's ability to help the IRWM region reduce GHG emissions as new projects are implemented over a 20-year planning horizon and consider energy efficiency and reduction of GHG emissions when choosing between project alternatives."	42-44	Section 2.7	Objective K incorporates greenhouse gas emissions reductions and energy efficiency in planning and management efforts.	Review current information related to GHG emissions in the project selection process. Update to reflect new Plan Standard, which considers the project's ability to help the IRWM Region reduce GHG emissions, if needed.
2016 IRWM Plan Standard: Project Review Process	Contribution of project in reducing GHGs compared to project alternatives. <ul style="list-style-type: none"> Consider the contribution of the project in reducing GHG emissions as compared to project alternatives Consider a project's ability to help the IRWM region reduce GHG emissions as new projects are implemented over the 20-year planning horizon. Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.	40	Section 2.7	Objective K incorporates greenhouse gas emissions reductions and energy efficiency in planning and management efforts.	Review current information related to GHG emissions in the project selection process. Update to reflect new Plan Standard, which considers the project's ability to help the IRWM Region reduce GHG emissions, if needed.

Plan Standard / Eligibility Criteria	Updated 2016 Plan Requirement	IRWM 2016 Guidelines Page Number	Location in 2013 IRWM Plan	Current Information	Description of Update
2013 IRWM Chapter 3: Region Description					
2016 IRWM Plan Standard: Region Description	AB 1249 Requires additional description of water quality conditions. If the IRWM region has areas of nitrate, arsenic, perchlorate, or hexavalent chromium contamination, the Plan must include a description of location, extent, and impacts of the contamination; actions undertaken to address the contamination, and a description of any additional actions needed to address the contamination.	38	Section 3.7, P. 3-69-84	Description of location, extent, and impacts of contaminants in the region, including nitrate and perchlorate. Description of actions being undertaken to address nitrate.	Reexamine impacts of nitrate, arsenic, perchlorate, and hexavalent chromium contamination, per Water Code §10541.(e)(14). A more detailed description of the impacts, extent, and actions undertaken for each of the above contaminants will be added, if necessary.
Water Code §10720 <i>et seq</i> Water Code 10753.7 (b)(1)	Applicants with groundwater projects must meet SGMA, GSP, and GWMP compliance, which includes updated groundwater basin boundaries, identified basins subject to critical conditions, and published best management practices.	12	Entire Chapter	Discussion of groundwater as a local water supply.	Update discussion to reflect new SGMA legislation, where applicable.
2016 IRWM Plan Standard: Region Description	A description of likely Climate Change impacts on their region as determined from the vulnerability assessment.	12, 43	Table 3-39; Section 7.8.1; Appendix 7-D	Description of Climate Change impacts and effects on the Region.	Review current information about Climate Change impacts. Update Climate Change impacts as needed.
SB 985 - Water Code §10562 (b)(7)	Requires the development of a stormwater resource plan and compliance with these provisions.	12	Section 3.4	Description of the Region's watersheds.	Update description of Region's watershed, as needed
SB 985 - Water Code §10562 (b)(7)	Requires the development of a stormwater resource plan and compliance with these provisions.	12	Section 3.5	Information about stormwater infrastructure, rainwater capture, stormwater management, permitting, and flood management	Update description of stormwater infrastructure, rainwater capture, and stormwater management to reflect information from the SWCFS and Regional SWRP.

Plan Standard / Eligibility Criteria	Updated 2016 Plan Requirement	IRWM 2016 Guidelines Page Number	Location in 2013 IRWM Plan	Current Information	Description of Update
SB 985 - Water Code §10562 (b)(7)	Requires the development of a stormwater resource plan and compliance with these provisions.	12	Section 3.6	Information about stormwater agencies.	Update description of stormwater agencies, as needed.
SB 985 - Water Code §10562 (b)(7)	Requires the development of a stormwater resource plan and compliance with these provisions.	12	Section 3.7	Information about surface water quality and groundwater quality.	Update description of surface water and groundwater quality based on SWCFS and Regional SWRP.
SB 985 - Water Code §10562 (b)(7)	Requires the development of a stormwater resource plan and compliance with these provisions.	12	Section 3.10	Information about efforts to diversify local water supplies.	Update description of efforts to include discussion of stormwater as a local water supply.
SB 985 - Water Code §10562 (b)(7)	Requires the development of a stormwater resource plan and compliance with these provisions.	12	Section 3.11	Information about major conflicts in the region, including stormwater-related issues.	Update major conflicts related to stormwater management based on SWCFS and Regional SWRP, as needed.
Water Code §79742 (e) 2016 IRWM Plan Standard: Climate Change	Requires the IRWM plan contributes to addressing risks in the region to water supply and water infrastructure arising from climate change. Specifically, areas of the State that receive water imported from the Sacramento-San Joaquin River Delta, the area within the Delta, and areas served by coastal aquifers must also consider the effects of sea level rise (SLR) on water supply conditions and identify suitable adaptation measures.	11, 42-44	Section 3.14	Description of SLR impacts on coastal regions and regions that rely on the Sacramento Bay Delta.	Review current information on SLR. Update to reflect new Plan Standards regarding water supply conditions and adaptation measures, if necessary.

Plan Standard / Eligibility Criteria	Updated 2016 Plan Requirement	IRWM 2016 Guidelines Page Number	Location in 2013 IRWM Plan	Current Information	Description of Update
Water Code 79505.5 Water Code 79702. (k)	2016 IRWM Plan Guidelines includes definition of Economically Distressed Areas (EDA) and Underrepresented Communities (URC). Disadvantaged Communities (DACs), EDAs, and URCs are collectively referred to as DACs.	26-27 (Appendix E and F)	Section 6.2	Discussion of outreach to DACs and Native American Tribes.	Update to define EDAs and URCs; include a discussion about EDAs and URCs in the Region and their needs.
2013 IRWM Chapter 5: Watershed Characterization					
SB 985 - Water Code §10562 (b)(7)	Requires the development of a stormwater resource plan and compliance with these provisions.	12	Entire Chapter	Watershed-by-watershed characterizations, including stormwater-related information.	Review stormwater-related information for each watershed characterization. Update to reflect information in Regional SWRP and SWCFS, where applicable.
Water Code §10920	Compliance is used to reflect requirements of the California Statewide Groundwater Elevation Monitoring (CASGEM) Program.	12	Entire Chapter	Description of groundwater basin for each watershed.	Update to include CASGEM Basin Prioritization information, where applicable.
2013 IRWM Plan Chapter 6: Governance and Stakeholder Involvement					
2016 IRWM Plan Standard: Stakeholder Involvement	Contain a public process that provides outreach and opportunity to participate in the IRWM plan (CWC §10541 (g)). Per 2016 GL: "Native American tribes – It should be noted that tribes are sovereign nations, and as such coordination with tribes is on a government-to-government basis."	41-42	Section 6.4.2	Detailed discussion of engagement and outreach efforts to the Tribal Nations in San Diego County.	Review current information pertaining to Tribal involvement. Update discussion to reflect new standards, if needed.

Plan Standard / Eligibility Criteria	Updated 2016 Plan Requirement	IRWM 2016 Guidelines Page Number	Location in 2013 IRWM Plan	Current Information	Description of Update
2016 IRWM Plan Standard: Stakeholder Involvement	Identify process to involve and facilitate stakeholders during development and implementation of IRWM plan regardless of ability to pay; include description of any barriers to involvement (CWC §10541 (h)(2)). "Stakeholder Involvement" in the 2012 GL is referred to "Native American Tribe and Stakeholder Involvement" in the 2016 GL and Tribes are referred to specifically.	41-42	Section 6.4.2	Discussion of barriers to Native American Tribe participation and directed outreach programs.	Review current information pertaining to Tribal involvement process. Update discussion to reflect new standards, if needed.
Water Code 79505.5 Water Code 79702. (k)	2016 IRWM Plan Guidelines includes definition of Economically Distressed Areas (EDA) and Underrepresented Communities (URC). DACs, EDAs, and URCs are collectively referred to as DACs.	26-27 (Appendix E and F)	Section 6.2	Discussion of outreach to Disadvantaged Communities (DACs) and Native American Tribes.	Update to include a discussion about EDAs and URCs.
2013 IRWM Plan Chapter 7: Regional Coordination					
2016 IRWM Plan Standard: Plan Objectives	In evaluating different ways to meet IRWM plan objectives, where practical, consider the strategies adopted by CARB in its AB 32 Scoping Plan ¹ .	39	Section 7.8	Identifies six GHG emissions reductions measures in the AB-32 Scoping Plan.	Examine practicality of considering strategies stated in AB 32 Scoping Plan in meeting IRWM Plan objectives. If practical, incorporate these strategies into Plan.

Plan Standard / Eligibility Criteria	Updated 2016 Plan Requirement	IRWM 2016 Guidelines Page Number	Location in 2013 IRWM Plan	Current Information	Description of Update
Water Code § 10562 (b)(7) 2016 IRWM Plan Standard: Local Water Planning	Discuss how the plan relates to these other planning documents and programs. Same as 2012 GL with the following addition: "It should be noted that Water Code § 10562 (b)(7) requires the development of a stormwater resource plan and compliance with these provisions to receive grants for stormwater and dry weather runoff capture projects. Upon development of the stormwater resource plan, the RWMG shall incorporate it into IRWM plan. The IRWM Plan should discuss the processes that it will use to incorporate such plans." Minor wording differences - e.g. Groundwater Sustainability Plan example in the 2016 Guidelines instead of Groundwater Management Plan in the 2012 Guidelines.	63-64	Section 7.3	Discussion of stormwater management in relation to individual agency management plans in lieu of a regional resource document.	Update to discuss stormwater management in relation to Regional SWRP and the SWCFS. Update wording from "Groundwater Management Plan" to "Groundwater Sustainability Plan," where needed.
2016 IRWM Plan Standard: Local Water Planning	Consider and incorporate water management issues and Climate Change adaptation and mitigation strategies from local plans into the IRWM Plan.	63-64	Section 7.8	Description of relevant Climate Change planning documents, including the Climate Change Study.	Reexamine relevant Climate Change planning documents and incorporate additional strategies, if needed.
2016 IRWM Plan Standard: Local Land Use Planning	Demonstrate information sharing and collaboration with regional land use planning in order to manage multiple water demands throughout the state, adapt water management systems to Climate Change, and potentially offset Climate Change impacts to water supply in California.	41	Section 7.7	Description of relevant land use planning documents, including the Land Use Study. Discussion of the degree of coordination between Land Use Planners and Water Managers.	Review current information in IRWM Plan. Update to demonstrate information sharing and collaboration with land use planning, if needed.

Plan Standard / Eligibility Criteria	Updated 2016 Plan Requirement	IRWM 2016 Guidelines Page Number	Location in 2013 IRWM Plan	Current Information	Description of Update
Water Code §79742 (e) 2016 IRWM Plan Standard: Climate Change	Requires the IRWM plan contributes to addressing risks in the region to water supply and water infrastructure arising from climate change. Specifically, areas of the State that receive water imported from the Sacramento-San Joaquin River Delta, the area within the Delta, and areas served by coastal aquifers must also consider the effects of sea level rise (SLR) on water supply conditions and identify suitable adaptation measures.	11, 42-44	Section 7.8	Description of SLR impacts on coastal regions and regions that rely on the Sacramento Bay Delta.	Review current information on SLR. Update to reflect new Plan Standards regarding water supply conditions and adaptation measures, if necessary.
Water Code §79742 (e) 2016 IRWM Plan Standard: Climate Change	Requires the IRWM plan contributes to addressing risks in the region to water supply and water infrastructure arising from climate change. Specifically, evaluate IRWM region's vulnerabilities to Climate Change and potential adaptation responses based on vulnerabilities assessment in the DWR Climate Change Handbook for Regional Water Planning (CWC §10541 (e)(9)). Addition in 2016 GL - "At a minimum, the vulnerability evaluation must be equivalent to the vulnerability assessment contained in the Climate Change Handbook for Regional Water Planning, Section 4 and Appendix B."	42-44	Section 7.8	Description of the Climate Change Study, which was completed for the 2013 IRWM Plan and is the equivalent to the vulnerability assessment.	Review current information about Climate Change vulnerabilities. Update section to reflect new Plan Standard, if needed.

Plan Standard / Eligibility Criteria	Updated 2016 Plan Requirement	IRWM 2016 Guidelines Page Number	Location in 2013 IRWM Plan	Current Information	Description of Update
Water Code §79742 (e) 2016 IRWM Plan Standard: Climate Change	Requires the IRWM plan contributes to addressing risks in the region to water supply and water infrastructure arising from climate change. Specifically, include a list of prioritized vulnerabilities based on the vulnerability assessment and the IRWM's decision making process. Addition in 2016 GL - "A list of prioritized vulnerabilities which includes a determination regarding the feasibility for the RWMG to address the priority vulnerabilities."	11, 42-44	Table 7-16	List of prioritized Climate Change vulnerabilities.	Review list of vulnerabilities and their rankings. Update list rankings to include feasibility of addressing vulnerability, if needed.
2013 IRWM Plan Chapter 8: Resource Management Strategies (RMS)					
2016 IRWM Plan Standard: Resource Management Strategies	Identify RMS incorporated in the IRWM Plan: Consider all California Water Plan (CWP) RMS criteria (29) listed in Table 3 from the <i>CWP Update 2013</i>	39	Section 8.3 Section 8.4	A list and description of RMS included in the 2013 IRWM Plan, based on the <i>CWP Update 2009</i> .	Re-evaluate RMS to be included in the 2016 IRWM Plan, based on the <i>CWP Update 2013</i> .

Plan Standard / Eligibility Criteria	Updated 2016 Plan Requirement	IRWM 2016 Guidelines Page Number	Location in 2013 IRWM Plan	Current Information	Description of Update
2016 IRWM Plan Standard: Resource Management Strategies	<p>Consideration of Climate Change effects on the IRWM region must be factored into RMS. Identify and implement, using vulnerability assessments and tools such as those provided in the Climate Change Handbook, RMS and adaptation strategies that address region-specific Climate Change impacts.</p> <ul style="list-style-type: none"> • Demonstrate how the effects of Climate Change on its region are factored into its RMS. • Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions. • An evaluation of RMS and other adaptation strategies and ability of such strategies to eliminate or minimize those vulnerabilities, especially those impacting water infrastructure systems (CWC §10540 (e)(10)). 	39	Section 8.7	Description of RMS that also address Climate Change adaptation.	Review current RMS selection process. Update section to reflect new Plan Standards, if needed.
Water Code §10562 (b)(7)	SB 985 –requires the development of a stormwater resource plan and compliance with these provisions.	12	Section 8.4	Description of projects and activities that implement Resource Management Strategies, including stormwater-related activities.	Update list of stormwater-related projects and activities that implement Updated RMS, if needed.

Plan Standard / Eligibility Criteria	Updated 2016 Plan Requirement	IRWM 2016 Guidelines Page Number	Location in 2013 IRWM Plan	Current Information	Description of Update
2013 IRWM Plan Chapter 9: Project Evaluation and Prioritization					
2016 IRWM Plan Standard: Project Review Process	<p>Project's contribution to Climate Change adaptation.</p> <ul style="list-style-type: none"> • Include potential effects of Climate Change on the region and consider if adaptations to the water management system are necessary (CWC §10540 (e)(10)). • Consider the contribution of the project to adapting to identified system vulnerabilities to Climate Change effects on the region. • Consider changes in the amount, intensity, timing, quality and variability of runoff and recharge. • Consider the effects of SLR on water supply conditions and identify suitable adaptation measures. 	40	Table 9-2	Project-level scoring guidelines that include a Climate Change criteria, which states "Contributes to Climate Change adaptation or mitigation."	Incorporate additional Climate Change guidelines into existing criteria, if needed. Include information from the Region SWRP and SWCFS to address changes in runoff and recharge, if necessary.
2016 IRWM Plan Standard: Project Review Process	<p>Contribution of project in reducing GHGs compared to project alternatives.</p> <ul style="list-style-type: none"> • Consider the contribution of the project in reducing GHG emissions as compared to project alternatives • Consider a project's ability to help the IRWM region reduce GHG emissions as new projects are implemented over the 20-year planning horizon. • Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions. 	40	Table 9-2	Project-level scoring guidelines that include a Climate Change criteria, which states "Contributes to Climate Change adaptation or mitigation."	Review current information related to GHG emissions in the project selection process. Update to reflect new Plan Standard, which considers the project's ability to help the IRWM Region reduce GHG emissions, if needed.

Plan Standard / Eligibility Criteria	Updated 2016 Plan Requirement	IRWM 2016 Guidelines Page Number	Location in 2013 IRWM Plan	Current Information	Description of Update
2016 IRWM Plan Standard: Project Review Process	Specific benefits to critical water issues for Native American tribal communities.	53	Section 9.2	Describes five components of integration, including partnerships and resource management, and actions taken to promote and encourage integration.	Reexamine current project selection criteria. Incorporate guidelines that consider projects that address critical water issues for Native American Tribal communities, if needed.
Water Code §79742 (e) 2016 IRWM Plan Standard: Climate Change	Water Code §79742 (e) requires the IRWM plan contributes to addressing risks in the region to water supply and water infrastructure arising from climate change. Specifically, provide a process that considers GHG emissions when choosing between project alternatives (CWC §10541 (e)(9)). Addition in 2016 GL - "At a minimum, that process must determine a project's ability to help the IRWM region reduce GHG emissions as new projects are implemented over a 20-year planning horizon and consider energy efficiency and reduction of GHG emissions when choosing between project alternatives."	11, 42-44	Table 9-2	Project-level scoring guidelines that include a Climate Change criteria, which states "Contributes to Climate Change adaptation or mitigation."	Review current information related to GHG emissions in the project selection process. Update to reflect new Plan Standard, which considers the project's ability to help the IRWM Region reduce GHG emissions, if needed.
2013 IRWM Plan Chapter 10: Data and Technical Analysis					
Water Code §10562 (b)(7)	SB 985 –requires the development of a stormwater resource plan and compliance with these provisions.	12	Entire Chapter	Includes information about local data and resources used in the IRWM Plan.	Review local data and resources information in chapter. Update to include Regional SWRP and SWCFS, where applicable.

Plan Standard / Eligibility Criteria	Updated 2016 Plan Requirement	IRWM 2016 Guidelines Page Number	Location in 2013 IRWM Plan	Current Information	Description of Update
2013 IRWM Plan Chapter 11: Implementation					
2016 IRWM Plan Standard: Plan Performance and Monitoring	Contain policies and procedures that promote adaptive management and, as more effects of Climate Change manifest, new tools are developed, and new information becomes available, adjust IRWM plans accordingly.	40	Section 11.5	Describes the use of a Report Card to evaluate IRWM Plan performance.	Update Report Card to reflect policies and procedures that promote adaptive management, if needed.

San Diego Integrated Regional Water Management

2016 IRWM Planning Grant Proposal

Budget

Attachment 4 consists of the following items:

- ✓ **Budget.** This attachment includes a summary of the budget for the entire Proposal, as well as the budgets for each task.

Introduction

This attachment contains a roll-up budget of the entire Proposal consistent with Table B of the 2016 Planning Grant PSP, along with costs at the task level. Justification for these costs are provided, by task, in the sections below. The tasks and information provided are consistent with task-related information provided in *Attachment 3 Work Plan* and *Attachment 5 Schedule*.

Proposal Budget Summary

Table 4-1 includes the Proposal Budget Summary consistent with Table B of the 2016 PSP. As shown in **Table 4-1**, the total local cost-share (funding match) for the Proposal is 60%. This local cost share will come from in-kind labor by RWMG staff, RWMG operating funds (as provided under their MOU), County of San Diego operating funds, and the San Diego County Municipal Separate Storm Sewer System (MS4) Copermittees. All matching funds have either been secured via existing agreements or verbally committed. No disadvantaged community (DAC) waivers are being requested for the Proposal.

Table 4-1: Proposal Budget Summary for San Diego 2016 IRWM Planning Grant Proposal

Budget			
Budget Category	Local Cost Share	Requested Grant Share	Total
Category (a): Project Administration	\$67,830	\$12,500	\$80,330
Category (b): Plan Update	\$266,580	\$237,500	\$504,080
Category (c): IRWM Plan Outreach	\$44,312	\$0	\$44,312
GRAND TOTAL	\$378,722	\$250,000	\$628,722

Table 4-2 includes the line-item budgets for each task in the Proposed Planning Grant. Total budgets comprise the local cost share and the requested grant share.

Table 4-2: Proposed Planning Grant Budget

Budget Category	Local Cost Share	Requested Grant Share	Total	% Funding Match
Category (a): Project Administration	\$67,830	\$12,500	\$80,330	84%
Task 1: SDCWA Grant Administration	\$33,330	\$12,500	\$45,830	73%
Task 2: LPS Invoicing	\$16,000	\$0	\$16,000	100%
Task 3: LPS Reporting	\$18,500	\$0	\$18,500	100%
Category (b): Plan Update	\$266,580	\$237,500	\$504,080	53%
Task 4: 2016 IRWM Plan Update	\$21,585	\$87,559	\$109,144	20%
4.1: 2016 Guidelines Updates	\$1,200	\$25,176	\$26,376	5%
4.2: SWCFS and Regional SWRP Updates	\$1,200	\$15,992	\$17,192	7%
4.3: DAC, EDA, and URC Updates	\$16,785	\$13,095	\$29,880	56%
4.4: Draft 2016 San Diego IRWM Plan Update	\$1,600	\$12,024	\$13,624	12%
4.5: Final 2016 San Diego IRWM Plan Update	\$400	\$12,024	\$12,424	3%
4.6: Plan Review and Coordination with DWR	\$400	\$9,248	\$9,648	4%
Task 5: Stormwater Capture Feasibility Study	\$244,995	\$149,941	\$394,936	62%
5.1: Project Coordination, Data Collection, and Existing Conditions Analysis	\$101,522	\$20,000	\$121,522	84%
5.2: Technical Feasibility Analysis of Stormwater Capture and Use	\$67,532	\$54,000	\$121,532	56%
5.3: Implementation Approach for Stormwater Capture and Use	\$22,685	\$22,685	\$45,370	50%
5.4: Cost Analysis of Stormwater Capture Alternatives	\$32,832	\$32,832	\$65,664	50%
5.5: Draft and Final SWCFS	\$20,424	\$20,424	\$40,848	50%
Category (c): IRWM Plan Outreach	\$44,312	\$0	\$44,312	100%
Task 6: 2016 IRWM Plan Update Outreach	\$34,532	\$0	\$34,532	100%
6.1: RAC Updates and Stakeholder Workshop	\$15,852	\$0	\$15,852	100%
6.2: DAC, EDA, and URC Outreach	\$18,680	\$0	\$18,680	100%
Task 7: SWCFS RAC Updates	\$9,780	\$0	\$9,780	100%
Proposal Total	\$378,722	\$250,000	\$628,722	60%
DAC Funding Match Waiver Total	\$0	\$0	\$0	-
GRAND TOTAL	\$378,722	\$250,000	\$628,722	60%

Category (a): Project Administration

Category (a) involves grant administration tasks by SDCWA's grant administration program (GAP) team, as well as by the County's project management team.

Task 1: SDCWA Grant Administration

Grant administration includes the preparation of the grant agreement between SDCWA and DWR, and submittal of all materials to DWR by the grantee (SDCWA). Cost break down for this task is provided in **Table 4-3**. The cost is calculated as the level of effort to execute the grant agreement with DWR based on SDCWA's experience in previous rounds of IRWM funding. The Senior Management Analyst and Management Analyst require a total of 624 hours for Grant Administration. This includes quarterly submittals for two years, SDCWA time to coordinate with both DWR and the LPS, and preparation of final reports and other grant agreement requirements. Total costs for *Task 1* are \$45,830 or 7.3% of total project costs; however, only \$12,500 or 5% of the total grant is being requested. SDCWA acknowledges that project grant administration costs are higher than the recommended 5% maximum for grant administration, but this is due to the fixed costs associated with any grant being administered by DWR, regardless of the requested grant value. These costs include SDCWA Webtool updates, preparation of quarterly invoicing and progress report templates, instructions, and forms for the LPS, contracting with DWR and the LPS, and number of quarters for grant administration. Hourly rates are based on salary and benefits, and represent an average rate anticipated over the grant administration period (2017-2019). Past grant experience found shipping costs of approximately \$70 were incurred for mailing grant agreements with wet signatures to DWR, along with other card copies of deliverables that may be requested.

For *Task 1*, this Proposal requests 27% in grant funding and will provide 73% in local cost share. Local cost share sources are RWMG operating funds.

Table 4-3: Task 1 Costs for SDCWA Grant Administration

Discipline / Activity	Hourly Rate	Number of Hours	Total Cost
<i>Task 1: SDCWA Grant Administration</i>			<i>\$45,830</i>
Senior Management Analyst	\$80	416	\$33,280
Management Analyst	\$60	208	\$12,480
Shipping (FedEx)	Lump Sum		\$70

Task 2: LPS Invoicing

Costs associated with invoicing include the County's (Local Project Sponsor, or LPS) time required to coordinate with vendors to obtain invoices, review invoices for eligible costs, and prepare invoices for submittal to SDCWA's Webtool. The cost break down for this task is provided in **Table 4-4**. Based on the County grant administration team's experience with past IRWM grants, the Grant Administrator will require 80 hours (average 10 hours per quarter) to process and manage Invoice Packets for the County on a quarterly basis. The County's Project Manager will require approximately 32 hours to coordinate with the grant administration team to successfully meet invoicing requirements. The grant will be administered for two years (2017-2019) for a total of eight (8) invoice submittals on a quarterly basis. The total cost for *Task 2* is \$16,000.

For *Task 2*, this Proposal requests 0% in grant funding and will provide 100% in local cost share. Local cost share sources are in-kind services provided by County Project Manager and Grant Administrator.

Table 4-4: Task 2 Costs for LPS Invoicing

Discipline / Activity	Hourly Rate	Number of Hours	Total Cost
<i>Task 2: LPS Invoicing</i>			\$16,000
County Project Manager	\$150	32	\$4,800
County Grant Administrator	\$140	80	\$11,200

Task 3: LPS Reporting

Cost break down for preparation of eight (8) quarterly project progress reports and one (1) completion report is provided in **Table 4-5**. Based on past grant administration experience, the Grant Administrator will require 40 hours (average 5 hours per quarter) to develop quarterly progress reports and submit via SDCWA's Webtool and 40 hours to develop the project completion report. The County's Project Manager will require 32 hours to review progress reports and project completion report prior to submittal to the Webtool. Additional support will be provided by SDCWA's Project Manager to ensure invoice packages meet the requirements of the grant agreement and reduce the need for multiple cycles of revisions. This approach has worked well in the past to facilitate on-time and complete submittals.

For *Task 3*, this Proposal requests 0% in grant funding and will provide 100% in local cost share. Local cost share sources are in-kind services provided by County Project Manager and Grant Administrator, and SDCWA Project Manager.

Table 4-5: Task 3 Costs for LPS Reporting

Discipline / Activity	Hourly Rate	Number of Hours	Total Cost
<i>Task 3: LPS Reporting</i>			\$18,500
SDCWA Project Manager	\$100	25	\$2,500
County Project Manager	\$150	32	\$4,800
County Grant Administrator	\$140	80	\$11,200

Category (b): Plan Update

Category (b) includes costs associated with *Tasks 4* and *5*, which contribute to developing and incorporating text updates to the IRWM Plan (along with any figure, table, and graphic updates deemed necessary). *Task 4* will primarily be undertaken by the RWMG's consulting team, whose draft budget was used to develop the costs presented here. *Task 5* will be undertaken by the County of San Diego (in partnership with the MS4 Copermittees) and its consulting team. Costs for *Task 5* were developed based on the County's experience and a draft budget from its consulting team.

Task 4: 2016 IRWM Plan Update

Activities conducted under *Task 4* are related to developing the 2016 IRWM Plan Update, which include Guidelines, Stormwater, and DAC, EDA, and URC updates. An estimated effort of 676 hours is required to develop the 2016 IRWM Plan Update. The total cost of *Task 4* is \$109,144, which will be funded with a combination of grant funds (80%) and local match (20%).

Subtask 4.1: 2016 Guidelines Updates

The cost breakdown for the preparation of guidelines-related updates to the 2013 IRWM Plan is provided in **Table 4-6**. An estimated effort of 170 hours is required to update all nine 2016 Plan Standards included in Appendix H of the 2016 Guidelines and incorporate the changes identified in **Exhibit F**. Project Planners will spend 110 hours developing and updating Plan content, with oversight and review by the consulting team management (Principal and Project Manager). Hourly rates are based on Consultant's 2016 Billing Rates. The costs in this task do not include the public outreach components associated with updating the IRWM Plan. Outreach costs are included in *Task 6*, below.

The total cost for this task is \$26,376, of which 95% will be grant and 5% will be local match. Local match will be provided as in-kind services from the SDCWA Project Manager for reviewing the draft write-ups.

Table 4-6: Subtask 4.1 Costs for 2016 Guidelines Updates

Discipline / Activity	Hourly Rate	Number of Hours	Total Cost
<i>Subtask 4.1: 2016 Guidelines Updates</i>			\$26,376
SDCWA Project Manager	\$100	12	\$1,200
Consultant Principal	\$242	8	\$1,936
Consultant Project Manager	\$174	40	\$6,960
Project Planners	\$148	110	\$16,280

Subtask 4.2: SWCFS and Regional SWRP Updates

A cost breakdown for *Subtask 4.2* is provided in **Table 4-7**. An estimated effort of 108 hours is required to incorporate stormwater-related information into the 2016 IRWM Plan. Project Planners will spend 64 hours developing the content, with review and oversight by senior consulting staff and the County's Project Manager. Hourly rates are based on Consultant's 2016 Billing Rates. Below is a breakdown of the budget by task.

The total cost for *Subtask 4.2* is \$17,192, 93% of which will be grant and 7% match. Matching funds will be provided as in-kind services by the SDCWA Project Manager for reviewing the draft write-ups.

Table 4-7: Subtask 4.2 Costs for SWCFS and Regional SWRP Updates

Discipline / Activity	Hourly Rate	Number of Hours	Total Cost
<i>Task 4.2: SWCFS and Regional SWRP Updates</i>			\$17,192
SDCWA Project Manager	\$100	12	\$1,200
Consultant Principal	\$242	14	\$3,388
Consultant Project Manager	\$174	18	\$3,132
Project Planner	\$148	64	\$9,472

Subtask 4.3: DAC, EDA, and URC Updates

A cost breakdown for *Subtask 4.3* is provided in **Table 4-8**. An estimated effort of 165 hours is required to incorporate EDA and URC outreach information into the 2016 IRWM Plan. The Project Manager, Project Planners, and Administrative Assistant will spend 104 hours developing the content, with review and oversight by senior consulting staff and the SDCWA Project Manager. Consultant hourly rates are based on Consultant's 2016 Billing Rates. Below is a breakdown of the budget by task.

The total cost for *Subtask 4.3* is \$29,880, 44% grant and 56% match. Matching funds will come from RWMG operating funds for consultant fees, along with in-kind labor for the SDCWA Project Manager to support development of the DAC, EDA, and URC materials.

Table 4-8: Subtask 4.3 Costs for DAC, EDA, and URC Updates

Discipline / Activity	Hourly Rate	Number of Hours	Total Cost
<i>Subtask 4.3: DAC, EDA, and URC Updates</i>			\$29,880
SDCWA Project Manager	\$100	16	\$1,600
Consultant Principal	\$242	46	\$11,132
Consultant Project Manager	\$174	86	\$14,964
Project Planner - GIS	\$148	8	\$1,184
Administrative Assistant	\$100	10	\$1,000

Subtask 4.4: Draft 2016 San Diego IRWM Plan Update

The cost breakdown for *Subtask 4.4* is provided in **Table 4-9**. An estimated effort of 92 hours is required to incorporate the revised plan chapters (*Task 4* and *Task 6*) into the Draft 2016 IRWM Plan. Project Planners will spend 40 hours drafting the content for an Administrative Draft with oversight by the consulting team project manager. Project Planners will spend 10 hours incorporating comments from the Administrative Draft into a Public Draft. Comments on the Administrative Draft are anticipated to be limited, because the RWMG will have already reviewed the individual chapters. Oversight will be provided by senior consulting staff and SDCWA Project Manager, with an administrator available to assist with final formatting, printing, and binding. Consultant hourly rates are based on Consultant's 2016 Billing Rates. Below is a breakdown of the budget by task.

The total cost for *Subtask 4.4* is \$13,624, which will be funded with grant funds (88%) and local match (12%). Local match will be provided as in-kind labor from the SDCWA Project Manager to review the Administrative Draft 2016 IRWM Plan Update.

Table 4-9: Subtask 4.4 Costs for Draft 2016 San Diego IRWM Plan Update

Discipline / Activity	Hourly Rate	Number of Hours	Total Cost
<i>Subtask 4.4: Draft 2016 San Diego IRWM Plan Update</i>			\$13,624
SDCWA Project Manager	\$100	16	\$1,600
Consultant Principal	\$242	8	\$1,936
Consultant Project Manager	\$174	12	\$2,088
Project Planner	\$148	50	\$7,400
Administrator	\$100	6	\$600

Subtask 4.5: Final 2016 San Diego IRWM Plan Update

The cost breakdown for *Subtask 4.5* is provided in **Table 4-10**. An estimated effort of 80 hours is required to develop the Final 2016 IRWM Plan. Project Planners will spend 40 hours incorporating comments on the Public Draft 2016 IRWM Plan into a Draft Final 2016 IRWM Plan for the RWMG, and another 10 hours incorporating RWMG comments into the Final 2016 IRWM Plan. Oversight will be provided by senior consulting staff (project manager and principal) and SDCWA Project Manager, and assistance with formatting, printing, and binding will be provided by an administrator. Consultant hourly rates are based on Consultant's 2016 Billing Rates.

The total cost for *Subtask 4.5* is \$12,424, which will be funded 97% by grant funds and 3% by matching funds. Matching funds will be provided as in-kind labor from the SDCWA Project Manager to review the Draft Final 2016 IRWM Plan Update.

Table 4-10: Subtask 4.5 Costs for Final 2016 San Diego IRWM Plan Update

Discipline / Activity	Hourly Rate	Number of Hours	Total Cost
<i>Subtask 4.5: Final 2016 San Diego IRWM Plan Update</i>			\$12,424
SDCWA Project Manager	\$100	4	\$400
Consultant Principal	\$242	8	\$1,936
Consultant Project Manager	\$174	12	\$2,088
Project Planner	\$148	50	\$7,400
Administrator	\$100	6	\$600

Subtask 4.6: Plan Review and Coordination with DWR

A cost breakdown for *Subtask 4.6* is provided in **Table 4-11**. An estimated effort of 60 hours is required to prepare final deliverables for Project Completion. Project Planners will spend 40 hours developing a matrix demonstrating IRWM Plan Update compliance with 2016 Guidelines along with other materials for the Planning Grant, with oversight by senior consulting staff (Project Manager and Principal) and SDCWA Project Manager. Consultant hourly rates are based on Consultant's 2016 Billing Rates. Although IRWM Plan adoption by the RWMG governing bodies will occur during the timeframe for this task, IRWM Plan Adoption is not included as part of this task. As such, no costs associated with RWMG governing body adoption of the 2016 IRWM Plan Update is included here.

The total cost for *Subtask 4.6* is \$9,648, which will be 96% grant funds and 4% matching funds. Local match will be provided as in-kind labor from the SDCWA Project Manager to review the matrix.

Table 4-11: Subtask 4.6 Costs for Plan Review and Coordination with DWR

Discipline / Activity	Hourly Rate	Number of Hours	Total Cost
<i>Subtask 4.6: Plan Review and Coordination with DWR</i>			\$9,648
SDCWA Project Manager	\$100	4	\$400
Consultant Principal	\$242	8	\$1,936
Consultant Project Manager	\$174	8	\$1,392
Project Planner	\$148	40	\$5,920

Task 5: Stormwater Capture Feasibility Study

Task 5 includes development of the SWCFS. A cost break down for each subtask is provided in the tables below. An estimated effort of 2,624 hours is required to develop the SWCFS, which will be developed by the County of San Diego and its consulting team, in conjunction with the MS4 Copermittee partners. Consultant hourly rates are based on Consultant's 2016 Billing Rates. The total cost for *Task 5* is \$394,936, which will be split between grant funds (38%) and local match (62%). The local cost share will be provided by contributions from the San Diego County MS4 Copermittees and as in-kind labor.

Subtask 5.1: Project Coordination, Data Collection, and Existing Conditions Analysis

The cost breakdown for *Subtask 5.1* is provided in **Table 4-12**. An estimated effort of 787 hours is required to collect and review background data related to stormwater capture and use. Costs associated with data collection

and existing condition analysis includes time to develop a call for data request and a synopsis of stormwater capture. Project Planners will spend 620 hours compiling and summarizing data, drafting the technical memorandum, and coordinating with the project team to incorporate and address comments. These efforts will be overseen by senior consulting staff and the County's Project Manager.

The total cost for *Subtask 5.1* is \$121,522, 84% of which would be local match; the remaining 16% would be grant funds. Local cost share source is the San Diego County MS4 Copermittees for consultant fees, along with in-kind labor by the County Project Manager to support the work effort.

Table 4-12: Subtask 5.1 Costs for Project Coordination, Data Collection, and Existing Conditions Analysis

Discipline / Activity	Hourly Rate	Number of Hours	Total Cost
<i>Subtask 5.1: Project Coordination, Data Collection, and Existing Conditions Analysis</i>			\$121,522
County Project Manager	\$150	16	\$2,400
Consultant Principal	\$242	16	\$3,872
Consultant Project Manager	\$174	135	\$23,490
Project Planners	\$148	620	\$91,760

Subtask 5.2: Technical Feasibility Analysis of Stormwater Capture and Use

The costs for *Subtask 5.2* are provided in **Table 4-13**. An estimated effort of 802 hours is required to develop a technical feasibility analysis for the SWCFS. Costs associated with this task includes time for modeling and prioritizing stormwater capture scenarios across all 11 watersheds. The Project Engineers will spend 600 hours creating and running models. Project Planners will spend 120 hours drafting the Technical Memorandum, with coordination, review, and oversight provided by senior consulting staff (Project Manager and Principal) and the County's Project Manager.

The total cost for *Subtask 5.2* is \$121,532, and will be 56% local match and 44% grant funds. Local cost share sources are the San Diego County MS4 Copermittees for consultant fees, along with in-kind labor by the County Project Manager to support the work effort.

Table 4-13: Subtask 5.2 Costs for Technical Feasibility Analysis of Stormwater Capture and Use

Discipline / Activity	Hourly Rate	Number of Hours	Total Cost
<i>Subtask 5.2: Technical Feasibility Analysis of Stormwater Capture and Use</i>			\$121,532
County Project Manager	\$150	16	\$2,400
Consultant Principal	\$242	16	\$3,872
Consultant Project Manager	\$174	50	\$8,700
Project Planners	\$148	120	\$17,760
Project Engineers	\$148	600	\$88,800

Subtask 5.3: Implementation Approach for Stormwater Capture and Use

The cost breakdown by discipline for *Subtask 5.3* is provided in **Table 4-14**. An estimated effort of 295 hours is required to develop an implementation approach. Costs associated with this task includes time for prioritizing/ranking specific areas, projects and/or alternatives. Project Engineers will spend 148 hours developing an implementation approach. Project Planners will spend 90 hours drafting the Technical Memorandum and

Consultant Project Manager will spend 25 hours on QA/QC. County Project Manager and Consultant Principal will each spend 16 hours overseeing *Subtask 5.3* activities and conducting final reviews.

Total costs for *Subtask 5.3* are \$45,370, of which 50% will be funded with local match and 50% with grant funds. Local cost share sources are the San Diego County MS4 Copermittees for consultant fees, along with in-kind labor by the County Project Manager to support the work effort.

Table 4-14: Subtask 5.3 Costs for Implementation Approach for Stormwater Capture and Use

Discipline / Activity	Hourly Rate	Number of Hours	Total Cost
<i>Subtask 5.3: Implementation Approach for Stormwater Capture and Use</i>			\$45,370
County Project Manager	\$150	16	\$2,400
Consultant Principal	\$242	16	\$3,872
Consultant Project Manager	\$174	25	\$4,350
Project Planner	\$146	90	\$13,140
Project Engineer	\$146	148	\$21,608

Subtask 5.4: Cost Analysis of Stormwater Capture Alternatives

Table 4-15 provides a cost breakdown, by discipline, for *Subtask 5.4*. An estimated effort of 434 hours is required to develop a cost analysis for highest ranking potential stormwater capture areas, projects and alternatives identified in *Subtask 5.3*. Project Engineers will spend 287 hours running a cost analysis and prioritizing areas, projects, and alternatives. Project Planners will spend 90 hours drafting the Technical Memorandum. Review, coordination, and oversight will be provided by senior consulting staff and the County's Project Manager.

Subtask 5.4 will cost a total of \$65,664, 50% of which will be provided as local match and 50% as grant funds. Local cost share sources are the San Diego County MS4 Copermittees for consultant fees, along with in-kind labor by the County Project Manager to support the work effort.

Table 4-15: Subtask 5.4 Costs for Cost Analysis of Stormwater Capture Alternatives

Discipline / Activity	Hourly Rate	Number of Hours	Total Cost
<i>Subtask 5.4: Cost Analysis of Stormwater Capture Alternatives</i>			\$65,644
County Project Manager	\$150	16	\$2,400
Consultant Principal	\$242	16	\$3,872
Consultant Project Manager	\$174	25	\$4,350
Project Planner	\$146	90	\$13,140
Project Engineer	\$146	287	\$41,902

Subtask 5.5: Draft and Final SWCFS

The cost break down for *Subtask 5.5* is provided in **Table 4-16**. An estimated effort of 306 hours is required to develop a Feasibility Report. Project Planners will spend 161 hours developing a pre-draft outline, Draft Feasibility Report and Final Feasibility Report, with oversight and review by senior consulting staff (Project Manager and Principal) and the County's Project Manager. A technical writer from the County will also be utilized to assist with the drafting of the report, while SDCWA will take the lead on RWMG review of the SWCFS.

The total cost for *Subtask 5.5* is \$40,848, 50% of which will be local match and 50% as grant funds. Local cost share sources are the San Diego County MS4 Copermittees for consultant fees, along with in-kind labor by the County Project Manager and SDCWA Project Manager for review of the draft SWCFS.

Table 4-16: Subtask 5.5 Costs for Draft and Final SWCFS

Discipline / Activity	Hourly Rate	Number of Hours	Total Cost
<i>Subtask 5.5: Draft and Final SWCFS</i>			\$40,848
SDCWA Project Manager	\$100	8	\$800
County Project Manager	\$150	16	\$2,400
Consultant Principal	\$242	16	\$3,872
Consultant Project Manager	\$174	25	\$4,350
Project Planners	\$146	161	\$23,506
County Technical Writer	\$74	80	\$5,920

Category (c): IRWM Plan Outreach

Category (c) includes costs for outreach for the updates to the IRWM Plan and the SWCFS. Outreach materials will be developed by the RWMG's consulting team (*Task 6*) and the County's consulting team (*Task 7*), and costs were based on draft budgets provided by the consultants, based on their professional experience.

Task 6: 2016 IRWM Plan Update Outreach

Activities conducted under *Task 6* include any outreach efforts related the updating the IRWM Plan and the DAC, EDA, and URCs updates. This includes RAC updates and workshops to solicit feedback from local stakeholders. An estimated effort of 206 hours is needed for outreach. The total cost for *Task 6* is \$34,532, 100% of which will be met with local match.

Subtask 6.1: RAC Updates and Stakeholder Workshop

A cost breakdown for *Subtask 6.1* is provided in **Table 4-17**. An estimated effort of 102 hours is required to prepare materials for and hold four (4) RAC Updates and one (1) Stakeholder Workshop. Project Planners will spend 44 hours developing materials for the RAC Updates and Stakeholder Workshop, along with attending meetings and presenting materials in concert with the Project Manager. Oversight will be provided by senior consulting staff (project manager and principal) and the SDCWA Project Manager, and RWMG members will attend the Workshop and RAC meetings. Consultant hourly rates are based on Consultant's 2016 Billing Rates.

The total cost for *Subtask 6.1* is \$15,852, which will be funded entirely with local dollars. Local cost share sources are RWMG operating funds for consultant fees, along with in-kind labor by the RWMG agencies for planning and participating in the outreach activities.

Table 4-17: Subtask 6.1 Costs for RAC Updates and Stakeholder Workshop

Discipline / Activity	Hourly Rate	Number of Hours	Total Cost
<i>Subtask 6.1: RAC Updates and Stakeholder Workshop</i>			\$15,852
SDCWA Program Manager	\$100	16	\$1,600
City of San Diego Partner	\$150	8	\$1,200
County of San Diego Partner	\$150	8	\$1,200
Consultant Principal	\$242	12	\$2,904
Consultant Project Manager	\$174	14	\$2,436
Project Planner	\$148	44	\$6,512

Subtask 6.2: DAC, EDA, and URC Outreach

A cost breakdown for *Subtask 6.2* is provided in **Table 4-18**. An estimated effort of 110 hours is required to prepare materials for and hold three (3) DAC, EDA, and URC Workshops. RWMG members will participate in these workshops. Consultant hourly rates are based on Consultant's 2016 Billing Rates.

The total cost for *Subtask 6.2* is \$18,680 which will be funded entirely with local dollars. Local cost share sources are RWMG operating funds for consultant fees, along with in-kind labor by the RWMG agencies for planning and participating in the outreach activities.

Table 4-18: Subtask 6.2 Costs for DAC, EDA, and URC Outreach

Discipline / Activity	Hourly Rate	Number of Hours	Total Cost
<i>Subtask 6.2: DAC, EDA, and URC Outreach</i>			\$18,680
SDCWA Program Manager	\$100	18	\$1,800
City of San Diego Partner	\$150	12	\$1,800
County of San Diego Partner	\$150	12	\$1,800
Consultant Principal	\$242	30	\$7,260
Consultant Project Manager	\$174	30	\$5,220
Administrative Assistant	\$100	8	\$800

Task 7: SWCFS RAC Updates

The cost breakdown for *Task 7* is provided in **Table 4-19**. An estimated effort of 60 hours is required to prepare for and present updates to the RAC three (3) times during the development of the SWCFS. Project Planners will spend 30 hours developing RAC Update materials, including presentations and agendas, with oversight by senior consulting staff (project manager and principal). The County's Project Manager will spend 12 hours reviewing materials and presenting three RAC Updates (one each for *Subtasks 5.2, 5.3, and 5.4*).

The total cost for *Task 7* is \$9,780, and will be funded entirely through local dollars. Local cost share sources are the San Diego County MS4 Copermittees for consultant fees, along with in-kind labor by the County Project Manager for reviewing presentation materials.

Table 4-19: Task 7 Costs for SWCFS RAC Updates

Discipline / Activity	Hourly Rate	Number of Hours	Total Cost
<i>Task 7: SWCFS RAC Updates</i>			\$9,780
County Project Manager	\$150	12	\$1,800
Consultant Principal	\$242	6	\$1,452
Consultant Project Manager	\$174	12	\$2,088
Project Planner	\$148	30	\$4,440

Attachment 5 consists of the following item:

- ✓ **Schedule.** This attachment includes a schedule for each Work Plan task in the Proposal, as well as approval of the 2016 IRWM Plan Update by the RAC and adoption by the RWMG governing bodies. A description of how the schedule is realistic, reasonable, and accomplishable is followed by the Gantt chart.

Introduction

This attachment includes a schedule of tasks for the 2016 IRWM Plan Update. The assumed Grant Award Date is December 2, 2016, with an executed grant agreement in March 2017. Per Section II.C of the 2016 PSP, costs incurred after grant award are eligible for reimbursement; as such, work on select tasks are anticipated to begin immediately following award of the grant to allow sufficient time to complete the proposed work within the grant timeframe. Work included in this Proposal will be completed by the end of November 2018, within two years of grant award. As described below, the project schedule is realistic, reasonable, and accomplishable for the tasks included in the Work Plan (see *Attachment 3 Work Plan*).

Proposal Schedule

Category (a): Project Administration

Category (a) Project Administration includes three tasks, all related to administration of the grant, and would span the entire two years of the grant.

Task 1: SDCWA Grant Administration

Grant administration is expected to span the project duration of two years. It would begin upon notification of grant award (December 2, 2016) because efforts in this task include grant contracting with DWR and coordinating with the LPS. This task also includes reporting and invoicing to DWR and project completion and agreement closeout activities, and would therefore extend through the end of the grant period (November 30, 2018). Based on SDCWA's past experience with grant contracting, the executed grant agreement is anticipated approximately four months after grant award.

Task 2: LPS Invoicing

Invoicing from the County and consultants would begin three months after execution of the grant contract (Quarter 1) and extends to the project completion date (November 30, 2018). This task extends beyond the completion of *Tasks 5 and 7* (the LPS-led tasks) to allow for any additional grant administration related work that may be required.

Task 3: LPS Reporting

Quarterly Reports from the LPS would be submitted quarterly. These would be submitted concurrently with invoicing in *Task 2*, starting three months after grant execution and would span the project duration of two years. This task extends beyond the completion of *Tasks 5 and 7* (the LPS-led tasks) to allow for any additional grant administration related work that may be required, as well as development of the Completion Report.

Category (b): Plan Update

Category (b) includes the work necessary to update the IRWM Plan and develop the SWCFS that will be an important new component to the Plan. This work would begin following the grant award date and would extend through adoption of the 2016 IRWM Plan Update (which is anticipated to occur in September 2018) and final plan review and coordination with DWR (through the end of November 2018).

Task 4: 2016 IRWM Plan Update

Task 4 consists of six subtasks that all pertain to the actual updating of the IRWM Plan. Subtasks include developing draft chapters and finalizing the Plan. Work would begin immediately after grant execution and would potentially extend through project completion (November 2018).

- **Subtask 4.1: 2016 Guidelines Updates:** Guideline-related updates to the chapters are expected to occur over much of the two year grant agreement. These updates will begin upon execution of the grant agreement and will extend through the spring of 2018. This will provide sufficient time to gather input from the RAC and stakeholders under *Task 6.1*, below, and is similar to the process and timeline undertaken during the 2013 IRWM Plan Update.
- **Subtask 4.2: SWCFS and Regional SWRP Updates:** Following completion of the SWCFS, stormwater updates will be incorporated into the 2016 IRWM Plan Update, including updates from the Regional SWRP currently under development. This task will begin immediately after *Task 5* is completed, and its completion will occur prior to *Task 4.4*. This task is anticipated to require four (4) weeks to ensure stormwater updates are comprehensively incorporated throughout the 2016 IRWM Plan Update.
- **Subtask 4.3: DAC, EDA, and URC Updates:** Following completion of the *Subtask 6.2*, DAC, EDA, and URC updates will be incorporated into the 2016 IRWM Plan Update, including information gathered from the EDA and URC Outreach Workshops. This subtask will be completed in the earlier part of the project timeframe to allow DAC, EDA, and URC considerations to be incorporated into work completed under the other *Task 4* subtasks, as appropriate. This task will begin immediately after *Subtask 6.2* is completed, and its completion will occur prior to *Task 4.4*. This task is anticipated to require three (3) weeks to ensure EDA and URC updates are comprehensively incorporated throughout the 2016 IRWM Plan Update.
- **Subtask 4.4: Draft 2016 San Diego IRWM Plan Update:** *Task 4.4* will begin upon completion of *Tasks 4.1*, *4.2*, and *4.3* and includes compiling the updated sections of the 2016 IRWM Plan Update and ensuring updates are carried through the plan consistently. Careful compilation, revision, and review of the Draft 2016 IRWM Plan Update is anticipated to take 11 weeks (inclusive of public comment period), based on the experience from the 2013 IRWM Plan Update.
- **Subtask 4.5: Final 2016 San Diego IRWM Plan Update:** Following completion of *Subtask 4.4*, the 2016 IRWM Plan Update will be revised and finalized to incorporate any comments that may be received on the Draft 2016 IRWM Plan Update. This task will require approximately five (5) weeks, and will be completed when the Final 2016 IRWM Plan Update is released for adoption in late September 2018.
- **Subtask 4.6: Plan Review and Coordination with DWR:** *Subtask 4.6* will begin during finalization of the 2016 IRWM Plan (*Subtask 4.5*) and will be completed following adoption of the 2016 IRWM Plan Update and any follow-on coordination with DWR. Preparation of the Plan Review Standards matrix will begin during development of the Final 2016 IRWM Plan Update. This timeframe marks the period in which the RWMG governing bodies will adopt the 2016 IRWM Plan Update. IRWM Plan adoption, which will be competed as a separate but coordinated effort from the work in this Proposal, will occur in October and November 2018, depending on the meeting schedules for the RWMG agencies' governing bodies. Coordination with DWR under this task may extend through the end of the grant period (November 2018), depending on the level of coordination required.

Task 5: Stormwater Capture Feasibility Study

Task 5 includes five subtasks, which will be implemented consecutively. Each subtask builds on the progress made under the previous subtask. This task must be completed prior to *Subtask 4.2*, and implemented in coordination with the RAC meeting schedule to allow for adequate input from the RAC and stakeholders under *Task 7*, below. The schedule as presented here is based on the County's past experience developing stormwater plans.

- **Subtask 5.1: Project Coordination, Data Collection, and Existing Conditions Analysis:** This subtask is the initial step in developing a SWCFS, and allows approximately 13 weeks to identify data gaps, release a Call for Data to assist with filling identified gaps, and time to review and analyze the results from the call for data. To allow sufficient time to develop the SWCFS, and because this subtask requires minimal coordination to begin, efforts will begin following award of the grant (December 2016).
- **Subtask 5.2: Technical Feasibility Analysis of Stormwater Capture and Use:** This subtask uses the results of *Subtask 5.1* to develop a technical feasibility analysis, and will begin upon completion of *Subtask 5.1*. *Subtask 5.2* is anticipated to take approximately 14 weeks. Timing for this subtask has taken into consideration the established RAC meeting schedule to ensure a RAC meeting will be held during these activities. Results of this subtask are anticipated to be presented at the June 2017 RAC meeting.
- **Subtask 5.3: Implementation Approach for Stormwater Capture and Use:** Following completion of the technical feasibility analysis in *Subtask 5.2*, the County will develop an implementation approach for stormwater capture and use. The County anticipates 14 weeks for development of an implementation approach. Timing for this subtask has considered the existing RAC meeting schedule (*Task 7*), and is anticipated to be completed approximately one month after the August 2017 RAC meeting, where progress and preliminary results will be presented.
- **Subtask 5.4: Cost Analysis of Stormwater Capture Alternatives:** Once implementation approaches are developed (*Subtask 5.3*), the County will spend approximately 14 weeks developing a cost analysis for alternatives. Draft results will be presented at the December 2017 RAC meeting.
- **Subtask 5.5: Draft and Final SWCFS:** This subtask will incorporate the results of *Subtask 5.1* through *5.4*, along with any feedback received during the RAC meeting presentations (*Task 7*) to develop the SWCFS. This subtask is dependent on completion of the previous subtasks, and is anticipated to require approximately 20 weeks for drafting, reviewing, and revising the SWCFS.

Category (c): IRWM Plan Outreach

Category (c) includes outreach work necessary for completing the 2016 IRWM Plan Update. RAC updates and workshops will take place concurrently with *Task 4* and *Task 5*, and are expected to extend through the public comment period of *Task 4.4 Draft 2016 San Diego IRWM Plan*.

Task 6: 2016 IRWM Plan Update Outreach

Outreach activities planned in this task will be used to solicit feedback on draft chapters of the 2016 IRWM Plan Update and information needed to develop EDA and URC outreach strategies. Outreach is expected to span the duration of the IRWM Plan development and through *Subtask 4.4*.

- **Subtask 6.1: RAC Updates and Stakeholder Workshop:** The RAC updates will occur concurrently with activities in *Task 4*, as progress is made on updates to the IRWM Plan chapters. Additional RAC updates and the Stakeholder Workshop will occur concurrently with *Subtask 4.4* in order to solicit public comments on the Draft 2016 San Diego IRWM Plan Update for incorporation into the Final Draft 2016 San Diego IRWM Plan Update (*Subtask 4.5*). Timing of these updates will correspond to the established RAC meeting schedule.

Subtask 6.2: DAC, EDA, and URC Outreach: Outreach Workshops will occur prior to *Subtask 4.3*, which will incorporate information collected from the Workshops into the 2016 IRWM Plan Update. The Workshops will occur beginning with Grant Execution to ensure that work for *Subtask 4.3* can begin with sufficient time to complete prior to *Subtask 4.4*. Depending on availability, timing of these workshops will correspond to the established RAC meeting schedule. Outreach Workshops are anticipated to span three (3) months.

Task 7: SWCFS RAC Updates

This task will occur in coordination with *Task 5*, as progress is made on the SWCFS. The County will present RAC Updates upon completion of *Subtasks 5.2, 5.3, and 5.4*. As noted under those subtasks, timing of these updates will correspond to the established RAC meeting schedule. The established RAC meeting schedule is the first Wednesday of every other month, starting in February of each year. RAC meetings at which specific SWCFS outreach will occur are anticipated to be June 2017, August 2017, and December 2017, as indicated under *Task 5*, above. There may be additional, minor SWCFS updates provided at other RAC meetings; as a result, this task has been scheduled to end with the completion of *Task 5*.

San Diego Integrated Regional Water Management (IRWM) Region 2016 Proposition 1 IRWM Planning Grant																									
ID	Task Mode	Task Name	Start	Finish	Duration																				
						Quarter Nov Dec	1st Quarter Jan Feb Mar			2nd Quarter Apr May Jun			3rd Quarter Jul Aug Sep			4th Quarter Oct Nov Dec			2018 1st Quarter Jan Feb Mar				2nd Quarter Apr May Jun		
1		2016 San Diego IRWM Plan Update Planning Grant Proposal	Fri 12/2/16	Fri 11/30/18	521 days?																				
2		Grant Award	Fri 12/2/16	Fri 12/2/16	0 days																				
3		Grant Execution	Fri 3/24/17	Fri 3/24/17	0 days																				
4		Grant Completion	Fri 11/30/18	Fri 11/30/18	0 days																				
5		Budget Category (a) Project Administration	Fri 12/2/16	Fri 11/30/18	521 days?																				
6		Task 1: SDCWA Grant Administration	Fri 12/2/16	Fri 11/30/18	104 wks?																				
7		Task 2: LPS Invoicing	Mon 6/26/17	Fri 11/30/18	75 wks?																				
8		Task 3: LPS Reporting	Mon 6/26/17	Fri 11/30/18	75 wks?																				
9		Budget Category (b) Plan Update	Mon 12/5/16	Fri 11/30/18	520 days?																				
10		Task 4: 2016 IRWM Plan Update	Mon 3/27/17	Fri 11/30/18	440 days?																				
11		Subtask 4.1: 2016 Guidelines Updates	Mon 3/27/17	Fri 6/8/18	315 days																				
12		Subtask 4.2: SWCFS and Region SWRP Updates	Mon 5/14/18	Fri 6/8/18	4 wks?																				
13		Subtask 4.3: DAC, EDA, and URC Updates	Mon 6/19/17	Fri 7/7/17	3 wks?																				
14		Subtask 4.4: Draft 2016 San Diego IRWM Plan Update	Mon 6/11/18	Fri 8/24/18	11 wks?																				
15		Subtask 4.5: Final 2016 San Diego IRWM Plan Update	Mon 8/27/18	Fri 9/28/18	5 wks?																				
16		Subtask 4.6: Plan Review and Coordination with DWR	Mon 9/10/18	Fri 11/30/18	12 wks?																				
17		Task 5: Stormwater Capture Feasibility Study	Mon 12/5/16	Fri 5/11/18	375 days?																				
18		Subtask 5.1: Project Coordination, Data Collection, and Existing Conditions Analysis	Mon 12/5/16	Fri 3/3/17	13 wks?																				
19		Subtask 5.2: Technical Feasibility Analysis of Stormwater Capture and Use	Mon 3/6/17	Fri 6/9/17	14 wks?																				
20		Subtask 5.3: Implementation Approach for Stormwater Capture and Use	Mon 6/12/17	Fri 9/15/17	14 wks?																				
21		Subtask 5.4: Cost Analysis of Stormwater Capture Alternatives	Mon 9/18/17	Fri 12/22/17	14 wks?																				
22		Subtask 5.5: Draft and Final SWCFS	Mon 12/25/17	Fri 5/11/18	20 wks?																				
23		Budget Category (c) IRWM Plan Outreach	Mon 3/6/17	Fri 9/21/18	405 days?																				
24		Task 6: 2016 IRWM Plan Update Outreach	Mon 3/27/17	Fri 9/21/18	390 days?																				
25		Subtask 6.1: RAC Updates and Stakeholder Workshop	Mon 3/27/17	Fri 9/21/18	78 wks?																				
26		Subtask 6.2: DAC, EDA, and URC Outreach	Mon 3/27/17	Fri 6/16/17	3 mons?																				
27		Task 7: SWCFS RAC Updates	Mon 3/6/17	Fri 5/11/18	62 wks?																				

Project: P1PG_GANTT_22Sep16
Date: Fri 9/23/16

Task Split Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Deadline

Progress

Manual Progress

Page 1

Page intentionally left blank.

San Diego Integrated Regional Water Management 2016 IRWM Planning Grant Proposal Disadvantaged Community

Attachment 6 consists of the following items:

- ✓ **Documentation of Presence and Needs of DACs.** Local disadvantaged communities (DACs) are defined and mapped using American Community Survey data from the U.S. Census.
- ✓ **Description of Proposal Benefits to DACs.** The benefits to local DACs from the proposed IRWM Plan Update are described.

Funding Match Waiver

The cumulative funding match for the proposal is 60%. Although the San Diego IRWM Region is 39% disadvantaged by population and 33% disadvantaged by area, this proposal is not requesting a cost share reduction or waiver.

Disadvantaged Communities

The San Diego IRWM Region (Region) includes several areas that qualify as disadvantaged communities (DAC) in accordance with Appendix E of the 2016 IRWM Guidelines. DACs are defined as communities whose median household income (MHI) is less than or equal to 80% of the statewide MHI. Using the most recently available data from American Community Survey (ACS), the 2010-2014 ACS data, DACs are those communities with an MHI of \$49,191 or less. Census tract and block group data from 2010-2014 were aggregated with Census designated places to identify DAC areas within the Region (see **Figure 6-1**). Analysis of these data found that of the 3,166,848 people in the Region, 1,224,145 people lived in DACs. DACs are generally clustered around dense city centers and in the very rural areas along the outskirts of the Region.

DAC Needs

The Region distinguishes between urban DACs and rural DACs because the nature of water-related issues for these DAC populations is markedly different. Urban DACs are those DACs that are located within municipal service areas and therefore receive public water and wastewater services. Residents of urban DACs generally receive reliable deliveries of high-quality water. Urban DACs represent the majority of DACs in the Region by population. Rural DACs are those DACs that are generally located outside of the service areas of SDCWA member agencies and are therefore not typically served by a local water or wastewater agency. Residents of rural DACs rely primarily on local water supplies that vary widely in terms of reliability and quality. Rural DAC areas are generally located in the eastern portions of the Region and include communities such as Campo, Canyon City, Pine Valley, and San Felipe. Although DAC issues and needs are discussed extensively in the 2013 IRWM Plan, this attachment focuses on those DAC issues and needs relevant to the proposed 2016 IRWM Plan Update.

Urban DACs

Many urban DACs in the Region are located adjacent to San Diego Bay and near industrial areas associated with the Region's shipping industry. These urban DACs are substantially impacted by pollution of San Diego Bay waters. Bay pollution from industry, runoff, and other activities has negatively impacted subsistence anglers, many of whom are residents of urban DACs. Low-lying urban DACs near the Bay may also experience the effects of sea level rise as a result of climate change.

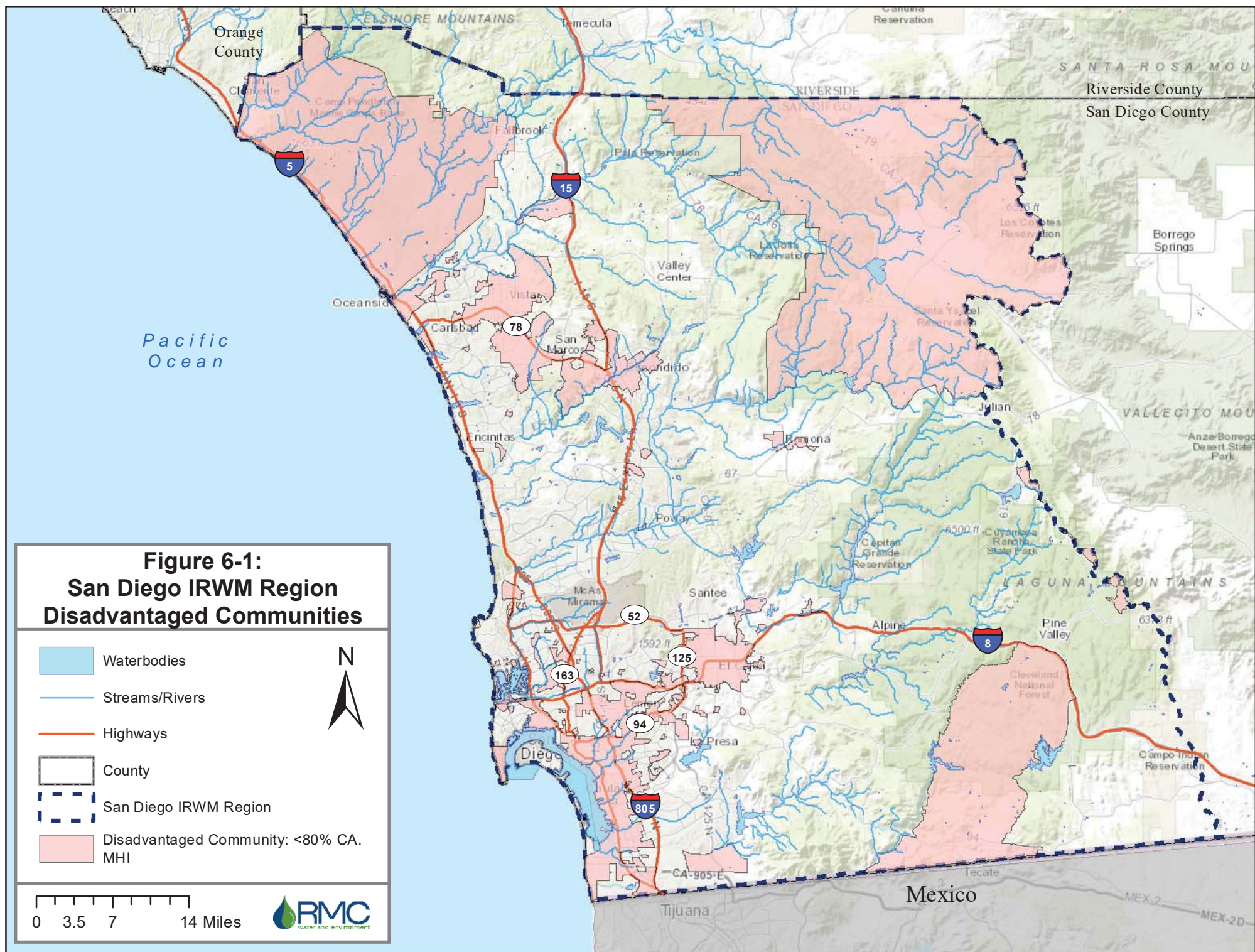
Urban DACs have reported experiencing flooding due to creek constrictions, which can result from inadequately sized drains and culverts, vegetation overgrowth (particularly invasive species such as *Arundo donax*), creek realignment, pollution, or illegal dumping. Urban DACs are also prone to flooding due to high runoff from impervious surfaces associated with urbanization and a lack of open space or other non-paved recreation areas. The high volume of stormwater runoff also contributes to the poor surface water quality in urban DACs, as it is often polluted and drains directly into creeks. Homelessness also contributes to water quality issues, especially in homeless encampments located alongside the Region's water bodies that are prone to becoming a place where trash and other illegally-dumped items accumulates.

Rural DACs

Due to infrastructure limitations, source water quality, and other issues, the primary water-related concern of rural DACs is lack of a safe, reliable source of drinking water. Rural DACs often lack access to adequate infrastructure and financing, as well as the resources to adequately maintain existing system facilities. As a result, drinking water systems in rural DACs may face significant challenges in complying with both longstanding and new drinking water rules.

Water supply and water quality issues in rural DACs may be exacerbated by climate change, poor economies, and lack of community expertise. Inadequate water supply to support existing communities is a public health risk, especially considering that the rural portions of the Region are also those that are particularly susceptible to wildfires. The majority of drinking water maximum containment level (MCL) violations in the Region occur with small public water systems, and inadequate wastewater treatment can result in unplanned discharge events. A limited number of ratepayers creates funding challenges for resolving water quality issues or for hiring (and retaining) the technical expertise necessary to maintain quality improvement projects.

Groundwater contamination has been identified as a critical rural DAC issue in the Region. Groundwater contamination may result from leaking septic tanks, illegal dumping, or wildfires. The Region anticipates that the projected increase in wildfire frequency and intensity resulting from climate change will disproportionately affect rural DACs, which are more likely to be located near fire-prone areas and less likely to have the ability to defend against fires.



DAC Involvement

The San Diego IRWM Program has a well-established stakeholder advisory group, the Regional Advisory Committee (RAC), to provide input and guidance to the IRWM Program. The RAC is composed of 28 voting representatives from various organizations and agencies in the Region with a water-nexus and is organized by focus area or caucus (e.g., water supply, water quality, stormwater, etc.). One focus area on the RAC is the DAC/Environmental Justice (EJ) Caucus, which has two seats. A goal in the RAC membership process is to have one urban DAC/EJ and one rural DAC/EJ representative. This goal has been achieved. Other caucuses may also have members that represent entities that serve DACs, but were not specifically selected for DAC reasons. The RAC was closely involved in preparing the 2013 IRWM Plan, with many members participating in workgroups and planning studies completed through that effort. In addition to representation on the RAC, the RWMG has reached out to DACs through targeted outreach, including hosting a series of DAC Needs Workshops to gather input from DAC residents on the most important DAC issues in their areas during development of the 2013 IRWM Plan. These workshops formed the basis of the DAC needs described above.

Targeted DAC outreach also occurs during funding cycles to encourage submittal of DAC projects and assist DACs with preparing and submitting competitive projects for consideration in the local project selection process. Recently, the RWMG and its consultant team reached out to 16 different DAC organizations to alert them to upcoming funding opportunities and encourage attendance and participation at the RAC meetings where both this Proposal and DAC involvement funding were being discussed (see **Table 6-1**). The RWMG communicates regularly with many organizations that are involved with addressing water-related issues of DACs and EJ communities within the Region, including: San Diego Coastkeeper, Environmental Health Coalition, Rural Community Assistance Corporation, Jacobs Center for Neighborhood Innovation, Groundwork San Diego-Chollas Creek, WildCoast, Alter Terra, Surfrider and others. Outreach has focused on identifying DAC issues, needs, and concerns, as well as ensuring DAC and EJ representation on the RAC. As a result of previous outreach and collaboration in IRWM planning, there is a strong existing relationship between DAC representatives and members that will be utilized to ensure further teamwork for the 2016 IRWM Plan Updates.

Table 6-1: DAC Call Log for DAC Involvement Grant Cycle

DAC Type	Organization	Name	Title	Method and Date Contacted
Urban DACs	San Diego CoastKeeper	Travis Pritchard	Interim Executive Director	Called 4/1, no answer; called 4/5 - confirmed Travis had received Consultants's email and would be attending RAC meeting
		Kristin Kuhn	Community Engagement Coordinator	Called 4/5 - transferred to Travis Pritchard
	San Diego EarthWorks	Chris Klein	CFO	Called 4/5 - Chris out of town, spoke to Carolyn who asked Consultant to send project guide
		Carolyn Chase	CEO	Called 4/5 - asked Consultant to send project guide; sent email 4/5; sent email 4/15
	Environmental Health Coalition	Giuliana Schroeder	Development Director	Called 4/1, left voicemail; called 4/5, no answer; sent email 4/5; sent email 4/15
		Amelia Simpson	Grant Writer	Called 4/1, no answer; called 4/5, left voicemail; sent email 4/5; sent email 4/15
	Elementary Science Institute	Charlene Browne	Administration Director	Called 4/1, no answer; called 4/5 - asked Consultant to send project guide; sent email 4/5; sent email 4/15

DAC Type	Organization	Name	Title	Method and Date Contacted
	Jacobs Center	Martin Furey	Senior Director of Development	Called 4/1, no answer; called 4/5, on vacation, out-of-office said to contact Janelle Devera; sent email 4/5; sent email 4/15
		Janelle Devera	Grant Writer	Called 4/5 - interested in submitting project, asked Consultant to send project guide; sent email 4/5; Janelle responded (4/6) to confirm receipt; sent email 4/15; Janelle responded (4/15) that Jacobs will be attending workshop
	Groundwork San Diego-Chollas Creek	Leslie Reynolds	Executive Director	Called 4/5, left voicemail; sent email 4/5; Leslie responded (4/6) to confirm Groundworks San Diego will be submitting project
	Wildcoast	Derry Cowley	Development Manager	Called 4/1, left voicemail; called 4/5, no answer; sent email 4/5; sent email 4/15
	Mid City CAN	Diana Ross	Executive Director	Called 4/5 - interested in learning more, asked Consultant to send project guide; sent email 4/5; Diana responded (4/6) asking if City Heights is eligible; responded via email 4/6; sent email 4/15
	San Diego Canyonlands	Eric Bowlby	Executive Director	Called 4/5 - interested, asked Consultant to send project guide and concept form, he may be able to attend workshop; sent email 4/5
	Surfrider Foundation - San Diego Chapter	Julia Chunn-Heer	Policy Manager	Called 4/1, no answer; called 4/5, left message; sent email 4/5
	Sierra Club - San Diego Chapter	Richard Miller	Development & Communications Coordinator	Called 4/1, no answer; called 4/5, left voicemail; sent email 4/5; sent email 4/15; Richard responded (4/18) to confirm receipt
	Urban Corps, San Diego County	Erwin Sanvictores	Director of Operations	Called 4/1, no answer; called 4/5, left voicemail; sent email 4/5; Erwin responded (4/6) to confirm receipt
	UC San Diego	Bob Leiter	Urban Planner	Called 4/1, no answer; called 4/5, left voicemail; sent email 4/5; Bob responded (4/6) to confirm receipt
Rural DACs	Rural Community Assistance Corporation	Dave Harvey	RDS Environmental	Called 4/1, no answer; called 4/5, no answer
		Olga Morales	RDS Environmental	Called 4/5, recording message said to call on cell phone, called cell - confirmed Olga had received Rosalyn's email, she will be attending RAC meeting, asked Consultant to send contact information; sent email 4/5
	California Rural Water Association	Jeff Ortmeier	SRF Program Manager	Called 4/5 - confirmed he had received Rosalyn's email, he appreciated outreach, he planned on sending staffer to workshop
	Alter Terra	Jennifer Hazard	Co-Director	Called 4/5 - confirmed she had received Rosalyn's email, she will be attending RAC meeting, she appreciated and was impressed by outreach

Proposal Benefits to DACs

DAC participation in the 2016 IRWM Plan Update will help to define and re-evaluate the DAC needs from the 2013 IRWM Plan in light of the other required updates. In addition to the planning benefits to DACs through their participation, DACs will benefit from implementation of a compliant 2016 IRWM Plan. A compliant 2016 IRWM Plan is an eligibility requirement for Proposition 1 IRWM Implementation Grants, which provide a vital funding source for implementation of projects that address DAC needs. As noted above, DACs generally do not have the financial or technical capacity to implement solutions to address their identified water management needs. Enabling DACs to be eligible for funding will help resolve the funding issues, and assist in developing solutions to their needs. As the value of IRWM grows throughout the state, inclusion of projects in an adopted IRWM Plan is increasingly becoming important for securing other funds, either as a requirement of the funding source or as an element within the scoring criteria. A compliant 2016 IRWM Plan may therefore provide opportunities for some DAC projects to be at least partially funded by non-local sources, reducing the local economic impact of much needed projects.

In addition to the planning and funding benefits of this Proposal, the 2016 IRWM Plan Update will include the Stormwater Capture Feasibility Study (SWCFS). This study will benefit DAC communities by identifying ways in which the Region may better capture, manage, and use stormwater. Increased opportunities for efficiently storing captured stormwater may help supplement current water supplies, thus ensuring longer and more drought-resilient water supply options for San Diego County. Increased supply and resilience may also lower the cost of water treatment and delivery, becoming less burdensome on low-income DACs.

The SWCFS will also address potential flooding issues in urban areas, including urban DACs. As discussed above, flooding and stormwater are critical water-related issues in urban DACs. Flood control improvements will benefit DAC areas by reducing the risk of flooding during storm events. Decreased flooding keeps the San Diego DACs and communities safer, while protecting from economic hardships stemming from flood damage. Flood damage not only destroys properties and open spaces, but can detrimentally affect local economies years after the flooding occurs, a distinct possibility for a community that relies heavily upon industry, shipping, and tourism. Because the SWCFS is region-wide, and both urban and rural DACs face stormwater-related issues, it has the potential to benefit every DAC within the Region. Finally, incorporating the SWCFS and the Regional Stormwater Resources Plan (SWRP) into the 2016 IRWM Plan Update will further enable DACs in the Region to apply for and receive funding for critical stormwater and flood-related issues.

Attachment 7 consists of the following items:

- ✓ **Documentation of Presence and Needs of EDAs.** Local Economically Distressed Areas (EDAs) are defined and mapped using data from DWR's EDA tool.
 - ✓ **Description of Proposal Benefits to EDAs.** The benefits to local EDAs from the proposed IRWM Plan Update are described.
-

Economically Distressed Areas

In accordance with Water Code §79702.(k), “Economically distressed area” means a municipality with a population of 20,000 persons or less, a rural county, or a reasonably isolated and divisible segment of a larger municipality where the segment of the population is 20,000 persons or less, with an annual median household income that is less than 85 percent of the statewide median household income, and with one or more of the following conditions as determined by the department: financial hardship, unemployment rate at least 2% higher than the statewide average, or low population density.

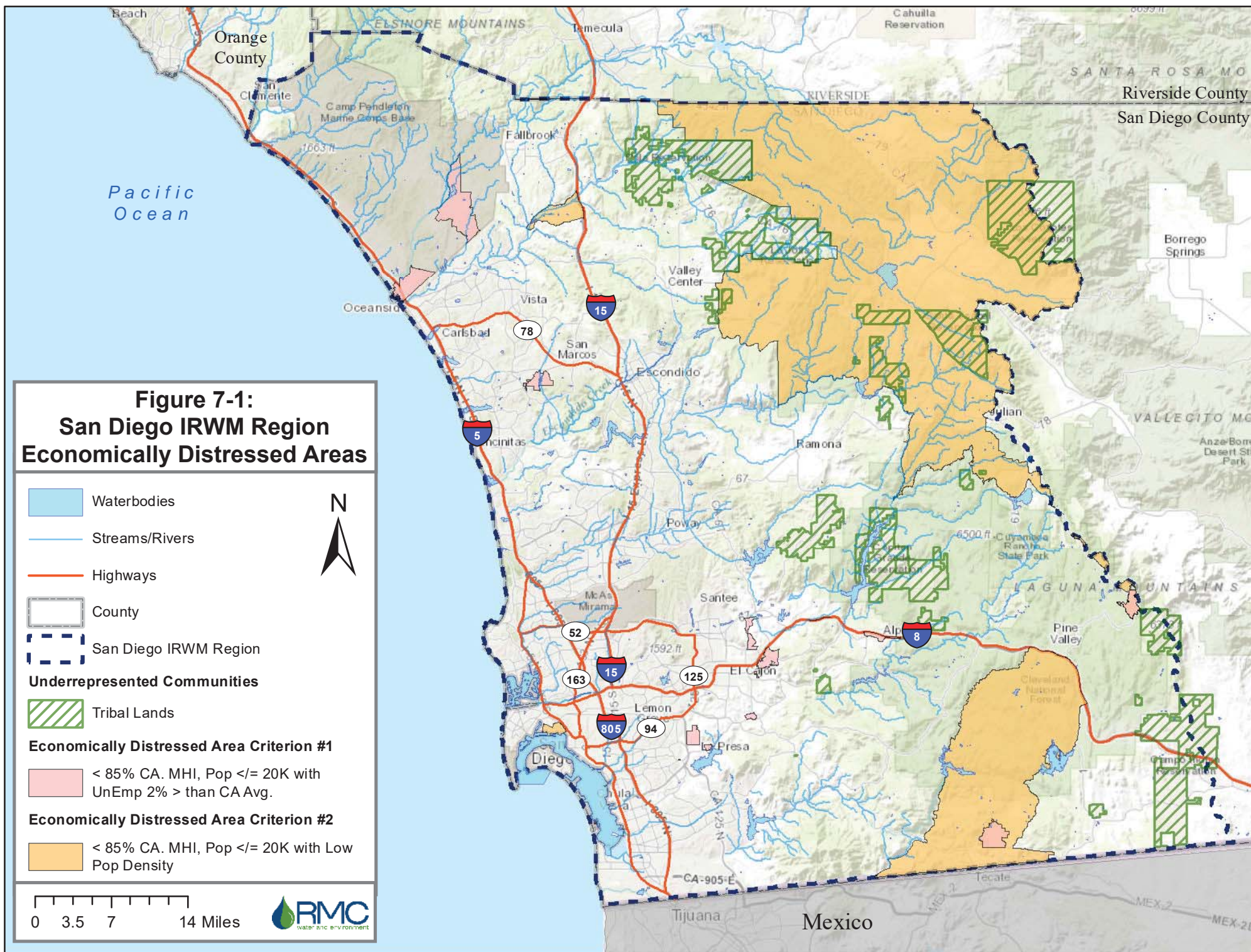
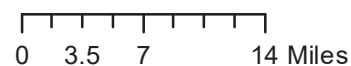
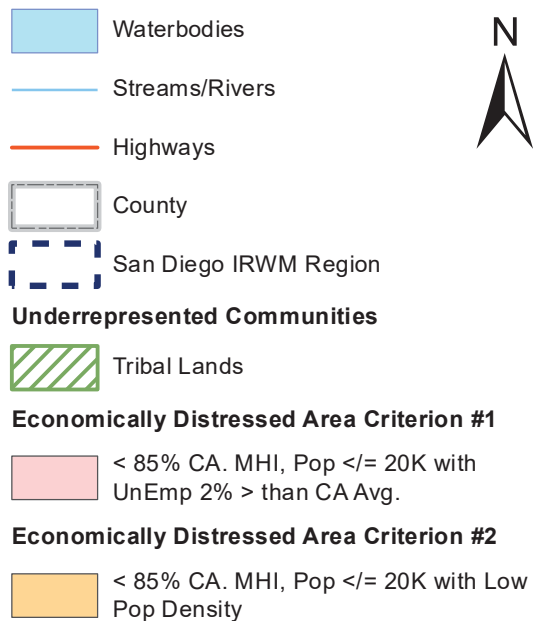
The San Diego IRWM Region has identified several areas that qualify as EDAs; a majority of these areas also qualify as DACs. Despite this, several communities, such as Alpine, La Presa, Rancho San Diego, and larger regions around Pinehills/Julian and Hellhole Canyon preserve, are EDAs and not DACs. These areas are found inland in the hills and forested regions. Many of these areas struggle due to their remote locations, and many rural EDAs lack access to publicly supplied water or wastewater services. Several EDAs must constantly combat the threat of wildfires and water availability and depend on local groundwater for their water supplies.

Figure 7-2 provides an overview of the EDAs defined by the two mappable criteria in the EDA definition:

- Criterion #1: Less than 85% of statewide MHI, Population less than 20,000, and unemployment more than 2% higher than statewide
- Criterion #2: Less than 85% of statewide MHI, Population less than 20,000, and low population density

Included as **Exhibit G** to this attachment is the EDA form required by DWR.

**Figure 7-1:
San Diego IRWM Region
Economically Distressed Areas**



EDA Involvement

The RWMG has worked directly with many organizations that are involved with addressing water-related issues of DACs and environmental justice (EJ) communities within the Region. Although many EDAs are also designated DACs, special care has been taken to reach those communities that are not DACs, such as tribal communities. Areas that are considered underrepresented communities (URCs), such as members or representatives of tribal reservations, have been personally contacted by the RWMG to ensure that they are invited and encouraged to participate in the planning update process (see **Table 7-1**). Through previous and ongoing outreach, the Region has created a strong relationship with EDAs and URCs.

Table 7-1: Tribal Call Log for DAC Involvement Grant Cycle

Tribe	Last Name	First Name	Title	Method and Date Contacted
Barona Group of Capitan Grande Band of Mission Indians of the Barona Reservation	Alvarez	Sheilla	Intergovernmental Liaison	Sent email to Sheilla 4/5
Campo Band of Diegueno Mission Indians of the Campo Indian Reservation	Howard	Brad	Environmental Director	Sent email to 3 contacts (Brad, Raymond and Michael) 4/5
Campo Band of Diegueno Mission Indians of the Campo Indian Reservation	Leon	Raymond		
Campo Band of Mission Indians	Connolly	Michael		
Ewiiapaayp Band of Kumeyaay Indians	Vela	Desi	Environmental Programs Manager	Sent email to Desi 4/5
Iipay Nation of Santa Ysabel	Perez	Virgil	Chairperson	Sent email to both contacts (Virgil and Melody) 4/5
Iipay Nation of Santa Ysabel	Sees	Melody	EPA Director	
Inaja Band of Diegueno Mission Indians of the Inaja and Cosmit Reservation	Contreras	Lisa	Vice-chairperson	Sent email to both contacts (Lisa/Rebecca and Susan) 4/5
Inaja Band of Diegueno Mission Indians of the Inaja and Cosmit Reservation	Maxcy	Rebecca Osuna	Chairperson	
Inaja Band of Diegueno Mission Indians of the Inaja and Cosmit Reservation	Turner	Susan	Program Manager	
Jamul Indian Village	Mesa	Robert	EPA Director	Sent email to both contacts (Robert and Chris) 4/5; Chris Pinto responded (4/5) that right now the Tribe is really close to opening the casino so their environmental employees are swamped, he hopes to make it down to a meeting in the coming months
Jamul Indian Village	Pinto	Chris		
Kumeyaay Diegueno Land Conservancy	Bactad	Kim	Executive Director	Sent email 4/5

Tribe	Last Name	First Name	Title	Method and Date Contacted
La Jolla Band of Indians	Peck	Lavonne		Sent email to 3 contacts (LaVonne, Robert and George) 4/5; George Wilkins responded (4/6) that Rob Roy is attending the RAC meeting and the La Jolla Tribe will definitely consider applying for the grant; sent email to George 4/15
La Jolla Band of Luiseno Indians	Peck	LaVonne	Chairperson	
La Jolla Band of Luiseno Indians	Rodriguez	Tom	Head of Water Board	
La Jolla Band of Luiseno Indians	Roy	Robert	Environmental Director	
La Jolla Band of Mission Indians	Wilkins	George		
La Posta Band of Diegueno Mission Indians of the La Posta Indian Reservation	Garner	Jim	EPA	Sent email to 3 contacts (Jim, Eric and Javaughn) 4/5
La Posta Band of Diegueno Mission Indians of the La Posta Indian Reservation	LaChappa	Eric		
La Posta Band of Diegueno Mission Indians of the La Posta Indian Reservation	Miller	Javaughn	EPA Director	
La Posta Band of Diegueno Mission Indians of the La Posta Indian Reservation	Parada	Gwendolyn	Chairperson	
Los Coyotes Band of Cahuilla and Cupeno Indians	Chapparosa	Shane	Spokesperson	Sent email to both contacts (Chris and Sandra) 4/5; Sandra responded (4/6) to confirm receipt
Los Coyotes Band of Cahuilla and Cupeno Indians	Ortiz	Chris	EPA Director	
Los Coyotes Band of Cahuilla and Cupeno Indians	Stoneburner	Sandra		
Los Coyotes Band of Cahuilla and Cupeno Indians	Stoneburner	Tobias	EPA	
Manzanita Band of Diegueno Mission Indians of the Manzanita Reservation	Anderson	Mark		Sent email to both contacts (John and David) 4/5
Manzanita Band of Diegueno Mission Indians of the Manzanita Reservation	Elliott	Leroy	Chairperson	
Manzanita Band of Diegueno Mission Indians of the Manzanita Reservation	Elliott	John	Tribal Administrator	
Manzanita Band of Diegueno Mission Indians of the Manzanita Reservation	Thompson	David	Manzanita EPA	
Mesa Grande Band of Diegueno Mission Indians of the Mesa Grande Reservation	Romero	Mark	Chairperson	Sent email 4/5
Native American Environmental Protection Coalition	Sherman	Jill	Director	Sent email 4/5
Pala Band of Luiseno Mission Indians of the Pala Reservation	Brow	Heidi		

Tribe	Last Name	First Name	Title	Method and Date Contacted
Pala Band of Luiseno Mission Indians of the Pala Reservation	Frantz	Irene	Director Assistant	Sent email to 5 contacts (Heidi, Irene, Shasta, Charlie and Robert) 4/5
Pala Band of Luiseno Mission Indians of the Pala Reservation	Gaughen	Shasta	EPA Director	
Pala Band of Luiseno Mission Indians of the Pala Reservation	Smith	Charlie	Wastewater Manager	
Pala Band of Luiseno Mission Indians of the Pala Reservation	Smith	Robert	Chairperson	
Pauma Band of Luiseno Mission Indians of the Pauma and Yuima Reservation	Hernandez	Miguel	Water Master	Sent email to both contacts (Miguel and Juana) 4/5
Pauma Band of Luiseno Mission Indians of the Pauma and Yuima Reservation	Majel	Juana	EPA Director	
Rincon Band of Luiseno Mission Indians of the Rincon Reservation	Mazetti	Bo	Chairperson	Sent email to 3 contacts (Bo, Scott and Tiffany) 4/5
Rincon Band of Luiseno Mission Indians of the Rincon Reservation	Selland	Scott		
Rincon Band of Luiseno Mission Indians of the Rincon Reservation	Wolfe	Tiffany	EPA Director	
San Luis Rey Indian Water Authority		Phyllis		Sent email 4/5
San Pasqual Band of Diegueno Mission Indians	Escarcega	Roland	Water Master	Sent email to 3 contacts (Roland, John and Kristie) 4/5
San Pasqual Band of Diegueno Mission Indians	Flores	John	Environmental Department	
San Pasqual Band of Diegueno Mission Indians	Orosco	Kristie	EPA Director	
Sycuan Band of Indians	Rzepko	Anna		Sent email to 4 contacts (Anna, Lisa, Sid and Daniel) 4/5
Sycuan Band of the Kumeyaay Nation	Haws	Lisa	Environmental and Cultural Resources Manager	
Sycuan Band of the Kumeyaay Nation	Morris	Sid	Planning Director	
Sycuan Band of the Kumeyaay Nation	Tucker	Daniel	Chairperson	Sent email to 4 contacts (Don, Stan, Jenny and Darwin) 4/5
Viejas Group of Capitan Grande Band of Mission Indians of the Viejas Reservation	Butz	Don	Environmental/Fire/ Tribal Manager	
Viejas Group of Capitan Grande Band of Mission Indians of the Viejas Reservation	Pierce	Stan	Water Manager	
Viejas Group of Capitan Grande Band of Mission Indians of the Viejas Reservation	Rothrauff	Jenny	Assistant	
Viejas Group of Capitan Grande Band of Mission Indians of the Viejas Reservation	Tewanger	Darwin	Wastewater Manager	

Proposal Benefits to EDAs

There are several benefits to EDAs in the 2016 IRWM Plan Update, including the establishment of clear needs and priorities to be addressed in future rounds of IRWM funding. Participation of EDAs in the planning process ensures that the IRWM Region is eligible for future grant funding. This will allow for some projects to be at least partially funded from non-local sources, reducing the local economic impact of much needed projects. Involvement of EDAs also allows the IRWM Program to continue to evaluate and update the needs of the EDAs within the Region, keeping future planning studies and projects consistent with IRWM Plan objectives.

Additionally, the 2016 IRWM Plan Update includes the Stormwater Capture and Use Feasibility Study (SWCFS). This study will benefit EDA communities by identifying ways in which the Region may better manage and use stormwater in a variety of ways. Increased efficiency in storing captured stormwater – specifically in rural EDA areas – may help alleviate current water supplies, thus ensuring longer and more drought-resilient water supply options for all residents within the region. Increased supply and resilience may also lower the cost of water treatment and delivery so that it becomes less burdensome on EDA areas.

Flood control improvements will also benefit EDA areas by reducing the risk of flooding during storm events. Decreased flooding protects EDAs from economic hardships stemming from flood damage, which can not only destroy properties and open spaces, but can also detrimentally affect local economies years after the flooding occurs. Because the SWCFS is region-wide, it has the potential to impact all EDAs within the San Diego IRWM Region.

Exhibit G: EDA Form

This exhibit includes the completed EDA Form required by DWR in the 2016 PSP. An EDA map has been provided in Attachment 7, and has not been repeated here with the form.

Page intentionally left blank.

ECONOMICALLY DISTRESSED AREA FORM

Economically Distressed Area Form Instructions		
<i>Please submit the Economically Distressed Area fillable pdf form with your grant or loan application.</i>		
Step	Criterion	Required Information
1	MHI	Attach map from EDA tool that shows the project benefit/service area and the <85% MHI layer.
2	Option 1: Municipality with Population of 20,000 People or Less	Attach map from EDA tool that shows the project benefit/service area and the municipality area population layer.
	Option 2: Rural County	Attach map from EDA tool that shows the project benefit/service area and the rural county layer.
	Option 3: Reasonably Isolated and Divisible Segment of a Larger Municipality where the Segment of the Population is 20,000 Persons or Less	Attach map from EDA tool that shows the project benefit/service area and the municipality area population layer. Explain, in 3,000 characters or less, the basis for claiming that the project benefit/service area is reasonably isolated and divisible.
3	Option 1: Financial Hardship	Explain, in 3,000 characters or less, the basis for claiming that the project benefit/service has a financial hardship.
	Option 2: Unemployment Rate at least 2 Percent Higher than the Statewide Average	Attach map from EDA tool that shows the project benefit/service area and the unemployment layer.
	Option 3: Low Population Density	Attach map from EDA tool that show the project benefit/service area and the low population density layer.

ECONOMICALLY DISTRESSED AREA CHECKLIST

Instructions: To meet the definition of an economically distressed area, applicants must meet the criterion in Step 1, then proceed to selecting one criterion from Step 2, followed by selecting one criterion from Step 3. Please fill out this checklist, selecting the appropriate criteria for your project's benefit area, and include it in your EDA package.

Applicant Name: San Diego County Water Authority

Project Name: San Diego Integrated Regional Water Management 2016 IRWM Planning Grant Proposal

Program Name (reference Table 1): Integrated Regional Water Management

Step 1

An annual median household income < 85% of statewide median household income:



Refer to attached EDA figure.

Step 2

- A municipality with a population of 20,000 people or less:



Refer to attached EDA figure.

- A rural county: _____
- A reasonably isolated and divisible segment of a larger municipality where the segment of the population is 20,000 persons or less:



Step 3*

- Financial hardship: _____



- Unemployment rate at least 2 percent higher than the statewide average:
Refer to attached EDA figure.



- Low population density: Refer to attached EDA figure.



*As determined by the Department.

MAP OF ECONOMICALLY DISTRESSED AREA & PROJECT BENEFIT AREA

Instructions: To meet the definition of an economically distressed area, applicants must display their selected economically distressed area criteria via map(s) and show the project benefit area. Please utilize the Economically Distressed Area Mapping Tool to show the appropriate criteria for your project benefit area.

Refer to the attached EDA figure. Note that the map shows both types of EDAs that can be mapped, using DWR's EDA mapping tool.

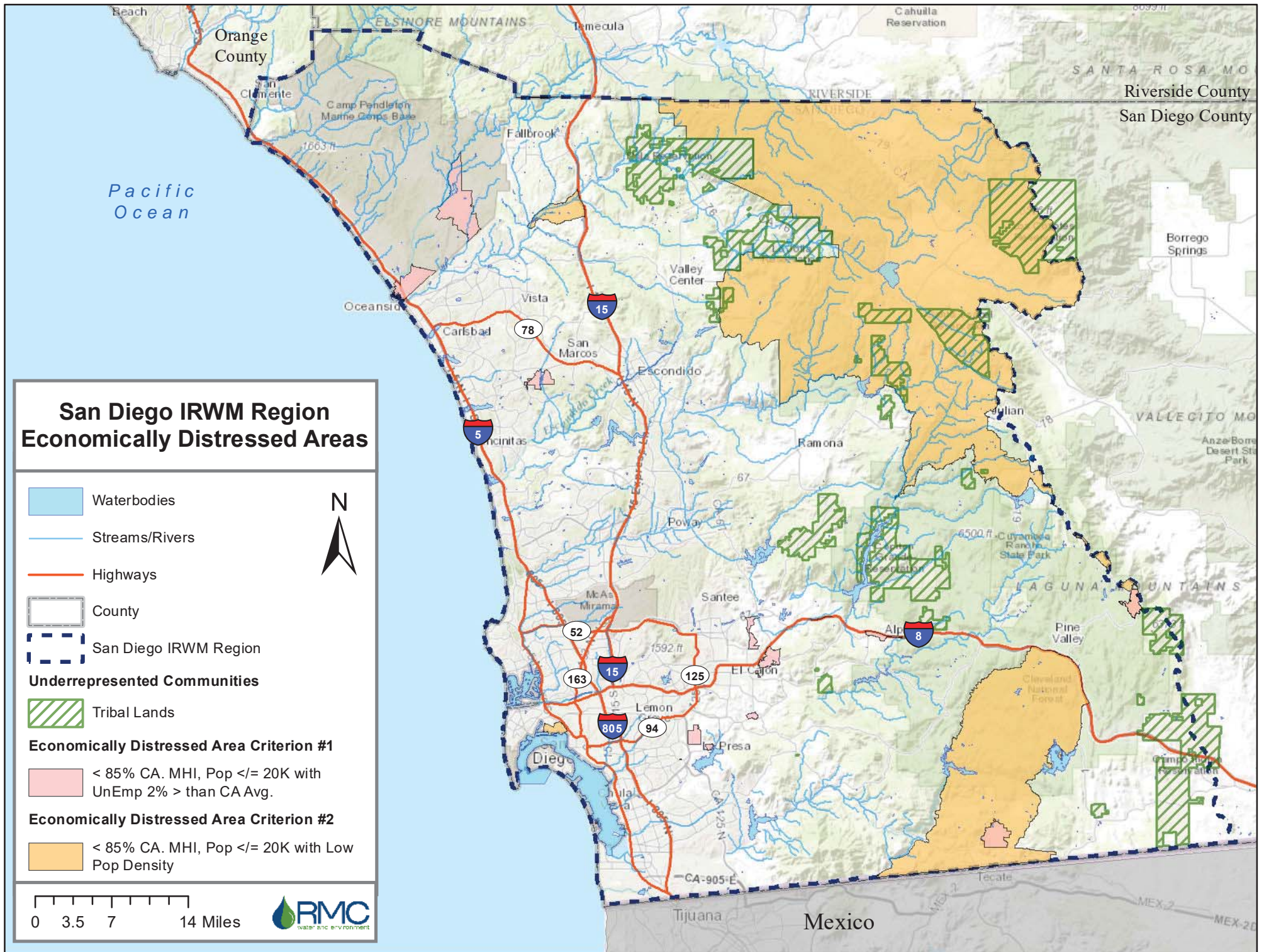
REASONABLY ISOLATED JUSTIFICATION

Instructions: To meet the definition of an economically distressed area, applicants must display one criterion from each step of the Economically Distressed Area Checklist (Attachment 1). Please utilize the space below to describe the appropriate 'reasonably isolated' criterion for your project benefit area, if applicable. Please limit justification narrative to 3,000 characters.

Insert text here.

FINANCIAL HARDSHIP JUSTIFICATION

Insert text here.



Attachment 8 consists of the following items:

- ✓ **Water Meter Compliance Self Certification.** This attachment includes the signed Water Meter Compliance Self Certification form showing compliance with CWC §525 et seq. for the San Diego County Water Authority (SDCWA).
-

Water Meter Compliance

As defined in the 2016 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. SDCWA is an urban water supplier, and has included its Water Meter Compliance Self Certification form as part of this Proposal (see **Exhibit H**).

This page intentionally left blank.

Exhibit H: Water Metering Infrastructure Compliance

This exhibit includes the signed Water Metering Infrastructure Compliance form signed by the applicant (SDCWA), an urban water supplier. As indicated on the form, SDCWA is compliant with water metering infrastructure requirements.

Page intentionally left blank.

California State Water Resources Control Board
California Department of Water Resources
California Department of Public Health



**CERTIFICATION FOR
COMPLIANCE WITH WATER METERING REQUIREMENTS
FOR FUNDING APPLICATIONS**

In 2004, Assembly Bill 2572 added section 529.5 to the Water Code, providing that, commencing January 1, 2010, urban water suppliers must meet certain volumetric pricing and water metering requirements in order to apply for permits for new or expanded water supply, or state financial assistance for the following types of projects:

1. wastewater treatment projects
2. water use efficiency projects (including water recycling projects)
3. drinking water treatment projects

For the purposes of compliance with Section 529.5, a "water use efficiency project" means an action or series of actions that ensure or enhance the efficient use of water or result in the conservation of water supplies.

Please consult with your legal counsel and review sections 525 through 529.7 of the Water Code before completing this certification.

Applicants Affected

This requirement applies to urban water suppliers.

"Urban water supplier" means a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually. An urban water supplier includes a supplier or contractor for water, regardless of the basis of right, which distributes or sells for ultimate resale to customers.

When Certification is Required

State Water Resources Control Board (SWRCB): The application for financial assistance must include a completed and signed certification form demonstrating compliance with the water metering requirements.

Department of Water Resources (DWR) funding applications: This certification must be completed and submitted with the funding application. Check the specific proposal solicitation package for directions on applicability and submittal instructions.

Department of Public Health (DPH) Safe Drinking Water State Revolving Fund Program: This certification must be completed and submitted with the executed Notice of Acceptance of Application (NOAA).

California State Water Resources Control Board
California Department of Water Resources
California Department of Public Health



**CERTIFICATION FOR
COMPLIANCE WITH WATER METERING REQUIREMENTS
FOR FUNDING APPLICATIONS**

Funding Agency name: California Department of Water Resources

Funding Program name: IRWM - Proposition 1 Planning Grant

Applicant (Agency name): San Diego County Water Authority

Project Title (as shown on application form): 2016 San Diego Integrated Regional

Water Management Program Planning Grant

Please check one of the boxes below and sign and date this form.

☐ As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the agency is not an urban water supplier, as that term is understood pursuant to the provisions of section 529.5 of the Water Code.

☒ As the authorized representative for the applicant agency, I certify under penalty of perjury under the laws of the State of California, that the applicant agency has fully complied with the provisions of Division 1, Chapter 8, Article 3.5 of the California Water Code (sections 525 through 529.7 inclusive) and that ordinances, rules, or regulations have been duly adopted and are in effect as of this date.

I understand that the Funding Agency will rely on this signed certification in order to approve funding and that false and/or inaccurate representations in this Certification Statement may result in loss of all funds awarded to the applicant for its project. Additionally, for the aforementioned reasons, the Funding Agency may withhold disbursement of project funds, and/or pursue any other applicable legal remedy.

Robert R. Yamada
Name of Authorized Representative
(Please print)

Robert R. Yamada
Signature

Director of Water Resources
Title

9/13/16
Date

Attachment 9 consists of the following items:

- ✓ **Regional Acceptance Process Status.** This attachment addresses the status of the San Diego IRWM Region's RAP, which was approved in 2009.
-

Status of Regional Acceptance Process

The Regional Acceptance Process (RAP) is used to evaluate and accept an IRWM Region into the ongoing IRWM grant program. DWR released the Final RAP Guidelines on March 11, 2009, and the San Diego Region submitted a RAP Application to DWR on April 29, 2009. DWR approved the San Diego RAP on September 1, 2009 with no additional conditions.

Page intentionally left blank.