

STAFF REPORT



CITY OF OCEANSIDE

DATE: September 25, 2013

TO: Honorable Mayor and City Councilmembers

FROM: Water Utilities Department

SUBJECT: **APPROVAL OF A THREE-YEAR COST SHARE AGREEMENT IN THE AMOUNT OF \$150,884 WITH THE COUNTY OF SAN DIEGO FOR DEVELOPMENT OF THE WATER QUALITY IMPROVEMENT PLAN**

SYNOPSIS

Staff and the Utilities Commission recommend that the City Council approve a three-year cost-share agreement in an amount not to exceed \$150,884 with the County of San Diego for the development of the Water Quality Improvement Plan and implementation of the Total Maximum Daily Load Compliance Monitoring for the San Luis Rey River Watershed Management Area; and authorize the City Manager to execute the agreement.

BACKGROUND

The San Diego Regional Water Quality Control Board issued a new five-year Municipal Stormwater Permit on May 8, 2013, to prohibit non-stormwater discharges and polluted stormwater from entering the storm drain system. The permit regulates discharges to inland surface waters, bays and estuaries and coastal waters throughout the three counties within the San Diego Region. The City of Oceanside is one of 39 entities subject to the new permit.

The permit requires the development and submission of a Water Quality Improvement Plan as well as compliance monitoring to be conducted where runoff drains to beaches. The City of Oceanside is required to comply with both of these regulatory requirements.

A consortium of Copermitees with common interests in the San Luis Rey Watershed have determined that it is in their best interest to work collaboratively on the development of the Water Quality Improvement Plan. This collaboration results in cost sharing and economies of scale with hiring a consultant to develop the Plan and in compliance monitoring. Fortunately, the County of San Diego has also agreed to lead the effort by providing project management and contract administration services for the San Luis Rey Watershed. In exchange for these services, the County of San Diego will receive an amount equal to 5 percent of the total contract cost.

ANALYSIS

Water Quality Improvement Plan (WQIP) Development

The goal of the WQIP is to further the Clean Water Act's objective to protect, preserve, enhance, and restore the water quality and designated beneficial uses of waters of the state. This goal will be accomplished through an adaptive planning and management process that identifies the highest priority water quality conditions within a Watershed Management Area. Strategies will be implemented through the jurisdictional runoff management program to achieve improvements in the quality of discharges from the storm drain systems to receiving waters.

Permittees must implement mechanisms to effectively prohibit non-storm water discharges into storm drain systems and require controls to reduce the discharge of pollutants in storm water to the maximum extent practicable. The Permit also requires other provisions to control pollutants such as Total Maximum Daily Loads (TMDLs) mandates. The newly issued Permit prescribes conditions to assure compliance, the prohibition of non-storm water discharges into storm drain systems, and control implementation to reduce the discharge of pollutants from the storm drain systems to the maximum extent practicable.

Total Maximum Daily Load (TMDL) Compliance Monitoring

The new permit contains provisions to implement a Total Maximum Daily Load (TMDL) compliance monitoring program for indicator bacteria at the San Luis Rey (SLR) River Pacific Ocean shoreline. The purpose of the TMDL program is to reduce bacteria levels to protect the health of those who recreate at beaches receiving runoff from the SLR watershed by reducing the amount of bacteria discharged to the beach through urban runoff, stormwater and other sources. The monitoring plan outlines monitoring activities that will be used to determine compliance with the TMDL, as well as to determine the effectiveness of programs and activities designed to reduce bacteria levels. Copermittees will share the costs of sampling and analysis. The monitoring location for the SLR River is at the shoreline, 75 feet south of the river mouth.

FISCAL IMPACT

A cost estimate has been prepared for the development of the SLR River Water Quality Improvement Plan and the TMDL compliance monitoring. The cost-share formula that has been in place since the previous permit has been agreed upon by the Copermittees:

- 45% shared costs based on population
- 45% of shared costs based on urbanized land area
- 10% of costs divided equally

Based on the formula above and the costs proposed by the Consultant, the table below provides the costs for each Copermitttee, spread across three fiscal years.

Copermitttee	Cost-Share FY 13-14	Cost-Share FY 14-15	Cost-Share FY 15-16	Cost-Share Total
<i>City of Oceanside</i>	\$72,961	\$56,717	\$21,207	\$150,884
S.D. County	\$160,863	\$124,933	\$46,907	\$315,373
City of Vista	\$11,706	\$9,283	\$3,163	\$21,264
CalTrans	\$12,473	\$9,600	\$3,751	\$25,221
TOTALS:	\$258,003	\$200,533	\$75,028	\$533,564

The City's portion of the cost-share will be funded by the Clean Water Program budget (750762711.5326). There is currently \$135,000 budgeted so sufficient budget exists to cover the expense for FY13-14, and additional years will be addressed in the appropriate year's budget process.

COMMISSION OR COMMITTEE REPORT

The Utilities Commission reviewed staff's recommendation at its regularly scheduled meeting on July 16, 2013.

CITY ATTORNEY'S ANALYSIS

The referenced documents have been reviewed by the City Attorney and approved as to form.

INSURANCE REQUIREMENTS

The City's standard insurance requirements will be met.

RECOMMENDATION:

Staff and the Utilities Commission recommend that the City Council approve a three-year cost-share agreement in an amount not to exceed \$142,580 with the County of San Diego for the development of the Water Quality Improvement Plan and implementation of the Total Maximum Daily Load Compliance Monitoring for the San Luis Rey River Watershed Management Area; and authorize the City Manager to execute the agreement.

PREPARED BY:

For 

Mo. Lahsaie
Environmental Officer

SUBMITTED BY:



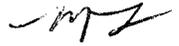
Peter A. Weiss
City Manager

REVIEWED BY:

Michelle Skaggs Lawrence, Deputy City Manager

Cari Dale, Water Utilities Director

Michael Blazenski, Interim Finance Director







COST-SHARING AGREEMENT
WATER QUALITY IMPROVEMENT PLAN DEVELOPMENT AND TMDL
MONITORING
IN THE
SAN LUIS REY WATERSHED

This Cost Sharing Agreement (AGREEMENT), entered into ____ by and between the County of San Diego, the City of Oceanside, City of Vista, and Caltrans (hereinafter collectively called PARTIES and individually called PARTY) establishes the responsibilities of each PARTY with respect to 1) developing the Water Quality Improvement Plan (WQIP) for the San Luis Rey Watershed Management Area (WMA) as required by San Diego Regional Water Quality Control Board (SDRWQCB) Order No. R9-2013-0001, (hereinafter called the MS4 PERMIT), and 2) performing the water quality monitoring required to comply with SDRWQCB Order No. R9-2010-0001 (hereinafter called the BACTERIA TMDL).

WHEREAS, the SDRWQCB adopted Order No. R9-2013-0001 (the MS4 PERMIT) on May 8, 2013; and

WHEREAS, the SDRWQCB adopted Order No. R9-2010-0001 (the BACTERIA TMDL) on February 10, 2010, requiring compliance with Total Maximum Daily Loads (TMDLs) for indicator bacteria at various beaches and creeks in the San Diego region; and

WHEREAS, the responsible Copermittees for the San Luis Rey WMA under the MS4 PERMIT are the City of Oceanside, the City of Vista, and the County of San Diego (WATERSHED COPERMITTEES); and,

WHEREAS, the MS4 PERMIT requires the WATERSHED COPERMITTEES to develop a WQIP for the San Luis Rey WMA; and

WHEREAS, the MS4 PERMIT requires the WQIP to, among other things, assess priority receiving water quality conditions associated with MS4 discharges, develop strategies to improve receiving water quality conditions associated with MS4 discharges, develop a monitoring and assessment program (MAP), and implement adaptive management; and

WHEREAS, Attachment E to the MS4 PERMIT incorporates requirements of the BACTERIA TMDL, including water quality monitoring requirements to assess compliance with the BACTERIA TMDL; and

WHEREAS, the PARTIES recognize that Caltrans is named as a Responsible Party in the BACTERIA TMDL but not the WQIP, and will therefore only be responsible for contributing to that portion of the WQIP that pertains to its responsibility in the BACTERIA TMDL; and,

WHEREAS, the PARTIES have agreed to work together to fulfill the water quality monitoring requirements of the BACTERIA TMDL and the WATERSHED COPERMITTEES have agreed to work together to fulfill the WQIP development requirements of the MS4 PERMIT; and

WHEREAS, the PARTIES recognize that expenditures will be needed to develop the WQIP for the San Luis Rey WMA and perform water quality monitoring required by the BACTERIA TMDL over the term of the AGREEMENT; and

WHEREAS, the PARTIES have agreed upon the scopes of work, and cost estimates as described in EXHIBITS A – Scope of Work, B – AMEC Task Order for TMDL Monitoring, C – Cost Share Breakdown Tables and D – Dry Weather Analytical Cost Table; and

WHEREAS, the PARTIES have agreed to recognize the County of San Diego as the PARTY LEAD under this AGREEMENT, and the County of San Diego agrees to provide project management and contract administration services for the PARTIES, including hiring a mutually agreed upon consultant to perform the identified scopes of work in EXHIBITS A, B and C; and,

NOW, THEREFORE, in consideration of the foregoing, the PARTIES hereto mutually agree as follows:

(1) PURPOSE: This AGREEMENT is entered into for the purpose of outlining the responsibilities of the PARTIES and funding collaborative activities during Fiscal Years 2013-14, 2014-15, 2015-16 in the San Luis Rey WMA to develop a WQIP that complies with the requirements of the MS4 PERMIT and to fulfill the water quality monitoring requirements of the BACTERIA TMDL. Collaborative activities for all Fiscal Years are described in detail in EXHIBITS A, B and C.

(2) TERM: The term of this AGREEMENT shall commence upon its approval and execution by each and all of the duly authorized representatives of the PARTIES, and shall continue until June 30, 2016, or until the scope of services is completed, whichever is later. If a PARTY terminates its participation in this AGREEMENT, the AGREEMENT remains in effect for all other PARTIES until such remaining PARTIES give notice of termination.

(3) PARTY RESPONSIBILITIES AND PARTICIPATION:

- A. RESPONSIBILITIES OF PARTY LEAD: The County of San Diego is hereby designated PARTY LEAD. As such, the County of San Diego incurs the responsibility of overall project management, solicitation and administration of consultant contracts, and submittal of required work products on behalf of the PARTIES.
- B. RESPONSIBILITIES OF ALL PARTIES: Each PARTY agrees to participate in collaborative efforts by assigning one (1) person to serve as the PARTY representative to participate in meetings (at least 80% of all meetings), collaborate on developing strategies, participate in decision making, and review work products and submittals. Further, each PARTY agrees to supply the PARTY LEAD or contracted consultants with data associated with its jurisdiction as needed, in a timely manner.

(4) PROGRAM BUDGET AND COSTS:

A. WQIP Development and TMDL Monitoring and Party Specific Cost totals: The cost of developing the Water Quality Improvement Plan (including Jurisdictional Support Costs) and performing TMDL Monitoring will not exceed

- \$258,003 for Fiscal Year 2013-14,
- \$200,533 for Fiscal Year 2014-15, and
- \$75,028 for Fiscal Year 2015-16.

B. Total Cost breakdown for each Party: The following represents the total costs for each Party, including WQIP Development, TMDL Monitoring, and Jurisdictional Support Costs, for FY13-14, FY14-15 and FY15-16:

County of San Diego - \$332,704
City of Oceanside - \$150,884
City of Vista - \$24,152
Caltrans - \$25,824

Total Shared and Party Specific Costs for Fiscal Year 2013-14 shall be allocated among the PARTIES in an amount not to exceed the amount as shown below.

County of San Diego - \$160,863
City of Oceanside - \$72,961
City of Vista - \$11,706
Caltrans - \$12,473

Total Shared and Party Specific Costs for Fiscal Year 2014-15 shall be allocated among the PARTIES in an amount not to exceed the amount as shown below.

County of San Diego - \$124,933

City of Oceanside - \$56,717

City of Vista - \$9,283

Caltrans - \$9,600

Total Shared and Party Specific Costs for Fiscal Year 2015-16 shall be allocated among the PARTIES in an amount not to exceed the amount as shown below.

County of San Diego - \$46,907

City of Oceanside - \$21,207

City of Vista - \$3,163

Caltrans - \$3,751

For specific breakdown of WQIP Development, TMDL Monitoring and Jurisdictional Support Costs see Exhibits A, B and C. For specific breakdown of TMDL Monitoring costs see Exhibits B, C and D.

(5) PAYMENTS: Within 30 calendar days of the effective date of this AGREEMENT, the PARTY LEAD shall send the PARTIES an invoice for a deposit which constitutes their share of the budgeted costs for Fiscal Year 13-14 and will send subsequent invoices following the beginning of each new Fiscal Year. Each PARTY shall pay the deposit within 60 calendar days of its respective receipt of the invoice. Each PARTY shall pay its share of expenses within 60 days of receipt of an invoice from the PARTY lead. Funds collected and not expended at the end of the project shall be refunded in full to each PARTY, in proportions that are consistent with the allocations identified in this agreement.

(6) NON-COMPLIANCE WITH AGREEMENT REQUIREMENTS: Any participant to this AGREEMENT that fails to comply with the terms and conditions of this AGREEMENT shall be solely liable for, and indemnify the other parties for, any lawfully assessed penalties resulting from such non-compliance. Failure to comply with AGREEMENT conditions within specified or agreed upon timelines shall constitute non-compliance with the AGREEMENT.

(7) AMENDMENTS TO THE AGREEMENT: This AGREEMENT may be amended only by consent of all the PARTIES. Amendment shall be effective when authorized in writing and signed by the duly authorized representatives of the PARTIES.

(8) GOVERNING LAW: This AGREEMENT shall be governed and construed in accordance with the laws of the State of California. If any provision or provisions shall be held to be invalid, illegal, or unenforceable, the validity, legality, and enforceability of the remaining provisions shall not in any way be affected or impaired thereby. In addition, each PARTY agrees to comply with all federal, state and local laws and ordinances applicable to the work to be performed under the terms of this AGREEMENT.

(9) CONSENT AND BREACH NOT WAIVER: No term or provision hereof shall be deemed waived and no breach excused, unless such waiver or consent shall be in writing and signed by the PARTIES to have waived or consented. Any consent by any PARTY to, or waiver of, a breach by the other, whether expressed or implied, shall not constitute a consent to, waiver of, or excuse for any other different or subsequent breach.

(10) DISPUTES: The PARTIES agree to mediate any dispute prior to filing suit or prosecuting suit against the other parties. At least one mediation session of one day duration with an agreed mediator shall be held prior to any party filing any suit or other action with regard to this Agreement; the cost shall be shared by the Parties equally. In the event suit is brought upon this AGREEMENT to enforce its terms, each PARTY shall be responsible for its own attorneys' fees and costs.

(11) INDEMNIFICATION: Each PARTY to this AGREEMENT (1) acknowledges its responsibility to comply with the development of the WQIP, as outlined in EXHIBIT A, EXHIBIT B and EXHIBIT C, and (2) shall pay all fines, penalties, and costs which may arise out of such PARTY's non-compliance with the Permit.

(12) APPLICATION OF PRIOR AGREEMENTS: This AGREEMENT constitutes the entire Agreement between the parties with respect to the subject matter; all prior agreements, representations, statements, negotiations, and undertakings are superseded hereby.

(13) TERMINATION: Any PARTY may terminate this AGREEMENT by giving written notice to the other parties no less than 30 days prior to the effective date of termination. Termination of this agreement does not release any PARTY for obligations of the development of the WQIP or their share of the MAP, as outlined in Exhibit Y, nor does it release the PARTY from its financial responsibilities as outlined in Section 4 of this AGREEMENT. Upon termination, the terminating PARTY shall pay its cost share in full.

(14) AVAILABILITY OF FUNDS: The financial obligation of each PARTY is limited to the amount appropriated for this agreement as set forth in Paragraph 4 above. Entering into this agreement shall not be construed as obligating the PARTIES to future payment of money in excess of appropriations authorized by law.

(15) EXECUTION OF AGREEMENT: This AGREEMENT may be executed in counterpart and the signed counterparts shall constitute a single instrument.

(16) ENCUMBRANCE: By reason of constraints in California law and the California Constitution, Caltrans encumbers an amount not to exceed \$12,473 annually as its portion of the shared cost and no further funding will be available to address the Caltrans obligations assumed under this AGREEMENT unless this Section is amended by Caltrans to reflect a new enhanced funding limit. Caltrans funds are to be invoiced once work is complete as required by California Law. Caltrans funds are subject to legislative appropriation and availability of funds.

IN WITNESS THEREOF, this AGREEMENT is executed as follows:

For the County of San Diego

Date: _____ Signature _____

Approved as to Form
County Counsel

Date _____ Signature _____

Printed Name: James O'Day
Title: Senior Deputy County Counsel

IN WITNESS THEREOF, this AGREEMENT is executed as follows:

Date: _____

CalTrans, Responsible Party

IN WITNESS THEREOF, this AGREEMENT is executed as follows:

Date: _____

City of Oceanside, Responsible Party

APPROVED AS TO FORM OCEANSIDE CITY ATTORNEY <i>Barbara L. Hamilton</i> BARBARA L. HAMILTON Assistant City Attorney
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IN WITNESS THEREOF, this AGREEMENT is executed as follows:

Date _____ Signature _____

City of Vista, Responsible Party

**SCOPE OF SERVICES
FOR
WATER QUALITY IMPROVEMENT PLAN FOR SAN LUIS REY WATERSHED
CONTRACT No. 534080
TASK ORDER No. 25**

This task order, dated August X, 2013, provides for the following tasks to be performed by Geosyntec Consultants (Consultant) during FY 2013-14, FY 2014-15, and FY 2015-16.

PURPOSE AND OBJECTIVE

The objective of this contract is to develop, consistent with the requirements of the Municipal Separate Storm Sewer (MS4) Permit (Order No. R9-2013-0001 adopted on May 8, 2013, effective on June 27, 2013) issued by the San Diego Regional Water Quality Control Board (RWQCB), a Water Quality Improvement Plan (WQIP) and a corresponding Monitoring and Assessment Plan (MAP) for the County of San Diego, the City of Oceanside, City of Vista, and Caltrans (hereinafter collectively called PARTIES and individually called PARTY). The WQIP shall leverage and build upon work already conducted on the San Luis Rey Watershed Comprehensive Load Reduction Plan (CLRP), which was developed in compliance with the Total Maximum Daily Load (TMDL) for Indicator Bacteria at 20 Beaches and Creeks. The only changes proposed in this scope of work to previously-developed water quality load reduction modeling will be to address the previously unavailable and new load reduction targets defined in the MS4 Permit. The WQIP will identify the highest priority water quality conditions in the watershed, assess the contribution of MS4s to these conditions, and evaluate opportunities for water quality improvement strategies for prioritized areas.

It is understood that work will need to be coordinated not only with the PARTIES but also with a watershed-specific Water Quality Improvement Consultation Panel (CP) through a Public Participation Process. The CP will include members of the environmental community, development community, and the RWQCB, and possibly others as defined by the PARTIES. This scope does not include tasks required to form the CP or directly support public participation, but does include technical coordination.

SERVICES AND SUBMITTALS TO BE PROVIDED BY CONSULTANT:

The Consultant shall be familiar with pertinent MS4 Permit provisions and applicable TMDLs to complete the following work that is intended to satisfy the PARTIES and the Regional Board through the following tasks:

- a. Provide project management and organize and conduct meetings;

- b. Prepare interim deliverables and WQIP chapter submittals;
- c. Prepare draft and final WQIP submittals.

TASKS FOR FISCAL YEAR 2013-14

1. Identification of Priority Water Quality Conditions and Potential Water Quality Improvement Strategies

In consultation with the PARTIES, the Consultant shall identify the priority water quality conditions in the SLR Watershed Management Area (WMA) according to the required (MS4 Permit) Provision B.2 elements of the WQIP and prepare the information in the form of a chapter to be included in the Draft WQIP.

In consultation with the PARTIES, the Consultant shall craft preliminary text and participate in the issuance of a call for data, requesting information on potential priorities and strategies, with an emphasis on compiling the list of priority conditions for the watershed. Consistent with Provision B.2.d(3), this will include a discussion of non-stormwater discharges and areas outside the jurisdiction of the MS4 Copermittees. While the initial basis for prioritization will be data extracted from previously conducted efforts such as the SLR CLRP, the 2011 Long-Term Effectiveness Assessment, and the most recent Receiving Water and Urban Runoff Monitoring reports, it is expected that a significant amount of information relating to MS4 minimum control measures will be included in the call for data, including, but not limited to, the information contained within the SLR Watershed Urban Runoff Management Plan (WURMP), the individual Jurisdictional Runoff Management Plans (JURMP) and associated annual reports. It is assumed that because extensive information has already been collected and previously presented, the call for data will not result in significantly new datasets or information sources, and that generally speaking, previously-identified trends will not significantly change. Consultant will specify format and transmittal protocols to facilitate data collection, transmittal, incorporation, and analyses for purposes of this WQIP.

Using previously collected, readily available, and provided data (in response for the call for data), Consultant shall compile and review the information required to develop each of the WQIP elements in accordance with the requirements of the permit as follows:

1.1. Assessment of Receiving Water Conditions

In consultation with the PARTIES, the Consultant shall review previously developed and compiled information, as well as new information submitted as part of the call for data to support and supplement development of the WMA water quality priorities. As required by the Permit, the following will be considered--at a minimum:

- a. Receiving waters listed as impaired on the CWA Section 303(d) List of Water Quality Limited Segments (303(d) List);
- b. TMDLs adopted and under development by the San Diego Water Board;
- c. Receiving waters recognized as sensitive or highly valued by the PARTIES and as defined in the permit;
- d. The receiving water limitations of Provision A.2;
- e. Known historical versus current physical, chemical, and biological water quality conditions;
- f. Available, relevant, and appropriately collected and analyzed physical, chemical, and biological receiving water monitoring data, including the parameters defined in the permit;
- g. Available evidence of erosional impacts in receiving waters due to accelerated flows (i.e. hydromodification);
- h. Available evidence of adverse impacts to the chemical, physical, and biological integrity of receiving waters; and
- i. The potential improvements in the overall condition of the Watershed Management Area (WMA) that can be achieved.

1.2. Assessment of Impacts From MS4 Discharges

In consultation with the PARTIES, the Consultant shall review previously developed and compiled information as well as new information submitted as part of the call for data to assess impacts from MS4 discharges. As required by the Permit, the following will be considered--at a minimum:

- a. The discharge prohibitions and effluent limitations indicated in the permit
- b. Available, relevant, and appropriately collected and analyzed storm water and non-storm water monitoring data from the PARTIES' MS4 outfalls;
- c. Locations of each PARTIES' MS4 outfalls that discharge to receiving waters (assumed to be either existing within data previously collected, or to be provided by PARTIES as part of this effort);
- d. Locations of known MS4 outfalls that are known to persistently discharge non-storm water to receiving waters likely causing or contributing to impacts on receiving water beneficial uses;
- e. Locations of known MS4 outfalls that are known to discharge pollutants in storm water causing or contributing to impacts on receiving water beneficial uses; and
- f. The potential improvements in the quality of discharges from the MS4 that can be achieved, presented in a narrative and qualitative context.

1.3. Identification of Priority Water Quality Conditions

In consultation with the PARTIES, the Consultant shall use the information compiled in Tasks 1.1 and 1.2 to develop a list of priority water quality conditions as pollutants, stressors and/or receiving water conditions that are the highest threat to receiving water quality or that most adversely affect the quality of receiving waters. As required by the Permit, the list is expected to include, as available, the following information for each priority water quality condition:

- a. The beneficial use(s) associated with the priority water quality condition
- b. The geographic extent of the priority water quality condition within the WMA, if known
- c. The temporal extent of the priority water quality condition (e.g., dry weather and/or wet weather)
- d. The PARTIES with MS4s discharges that may cause or contribute to the priority water quality condition
- e. An assessment of the adequacy of and data gaps in the monitoring data to characterize the conditions causing or contributing to the priority water quality condition, including a consideration of spatial and temporal variation

In consultation with the PARTIES, and considering recommendations from the CP, the Consultant shall identify the highest priority water quality conditions to be addressed by the WQIP, and provide a rationale for selecting a subset of the water quality conditions as the highest priorities.

1.4. Identification of MS4 Sources of Pollutants and/or Stressors

In consultation with the PARTIES, the Consultant shall review previously developed and compiled information, as well as new information submitted, as part of the call for data. Information will be used to identify and prioritize known and suspected sources of storm water and non-storm water pollutants and/or other stressors associated with MS4 discharges that cause or contribute to the highest priority water quality conditions identified under Task 1.3, based on information collected in Tasks 1.1 and 1.2. It is assumed that supplemental information from MS4s will be provided by the MS4 PARTIES in a manner consistent with Consultant-provided data requirements to facilitate collection and analysis, and to reduce WQIP development costs.

As required by the Permit, the identification of known and suspected sources of pollutants and/or stressors that cause or contribute to the highest priority water quality conditions as identified in Task 1.3 will consider the following:

- a. Potential pollutant-generating facilities, areas, and/or activities within the WMA, including:
 - i. Each PARTY's inventory of construction sites, commercial facilities or areas, industrial facilities, municipal facilities, and residential areas,
 - ii. Publicly owned parks and/or recreational areas,
 - iii. Open space areas,
 - iv. Currently operating or closed municipal landfills or other treatment, storage or disposal facilities for municipal waste, and
 - v. Areas not within the PARTIES' jurisdictions (e.g., Phase II MS4s, tribal lands, state lands, federal lands) that are known or suspected to be discharging to the PARTIES' MS4s;
- b. Locations of the PARTIES' MS4s, including the following:
 - i. Known MS4 outfalls that discharge to receiving waters, and
 - ii. Locations of major structural controls for storm water and non-storm water (e.g., retention basins, detention basins, major infiltration devices, etc.);
- c. Other known and suspected sources of non-storm water or pollutants in storm water discharges to receiving waters within the WMA, including the following:
 - i. Other MS4 outfalls (e.g., Phase II Municipal and Caltrans),
 - ii. Other NPDES permitted discharges,
 - iii. Other discharges that may be considered point sources (e.g., private outfalls), and
 - iv. Other discharges that may be considered non-point sources (e.g., agriculture, wildlife or other natural sources);
- d. Available data received, including but not limited to:
 - i. Findings from the PARTIES' illicit discharge detection and elimination programs,
 - ii. Findings from the PARTIES' MS4 outfall discharge monitoring,
 - iii. Findings from the PARTIES' receiving water monitoring,
 - iv. Findings from the PARTIES' MS4 outfall discharge and receiving water assessments, and
Other available, relevant, and appropriately collected data, information, or studies related to pollutant sources and/or stressors that contribute to the highest priority water quality conditions as identified in Task 1.3.
- e. The adequacy of the available data to identify and prioritize sources and/or stressors associated with MS4 discharges that cause or contribute to the highest

priority water quality conditions identified in Task 1.3. It is assumed that adequacy of datasets will be found to be sufficient and adequate.

1.5. Identification of Potential Water Quality Improvement Strategies

In consultation with the PARTIES, the Consultant will support the PARTIES' evaluation of the findings identified in Tasks 1.1 through 1.4, and identify potential strategies that can result in improvements to water quality in MS4 discharges and/or receiving waters within the WMA. Although changes to any strategies are anticipated to be minor, if any, potential water quality improvement strategies that may be implemented within the WMA must include the following:

- a. Structural BMPs, non-structural BMPs, incentives, or programs that can potentially be implemented to address the highest priority water quality conditions identified in Task 1.3, or MS4 sources of pollutants or stressors identified in Task 1.4,
- b. Retrofitting projects in areas of existing development within the WMA that can potentially be implemented to reduce MS4 sources of pollutants or stressors identified in Task 1.4 causing or contributing to the highest priority water quality conditions identified in Task 1.3, and
- c. Stream, channel, and/or habitat rehabilitation projects within the WMA that can potentially be implemented to protect and/or improve conditions in receiving waters from MS4 pollutants and/or stressors identified in Task 1.4 causing or contributing to the highest priority water quality conditions identified in Task 1.3.

For the initial Regional Board deliverable described in Task 1.6, it is anticipated that potential water quality improvement strategies will consist of the strategies already developed in the CLRP and any additional potential strategies suggested by members of the public, PARTIES, or recommended by the CP as part of the call for data.

1.6. Draft Priority Water Quality Conditions Chapter of WQIP

In consultation with the PARTIES, the Consultant shall prepare a Draft Priority Water Quality Conditions (Provision B.2) Chapter (consistent with Permit Provision F.1.a.(2)) incorporating the information collected from tasks 1.1 through 1.5 for submission according to the following assumptions and processes:

- a. Data, information and recommendations will be solicited from the public to be considered in the development and identification of the priority water quality conditions and potential water quality improvement strategies for the WMA. The Consultant will develop a WQIP call for data process, and will incorporate agreed-upon submittal schedules and formats of data from both PARTIES and stakeholders providing data.

- b. The Consultant will establish screening-level quality assurance/quality control (QA/QC) criteria and conduct limited QA/QC checks of the data received from the call for data and identification of the datasets meeting the criteria for use. Submitted information must conform to submittal specifications provided by the Consultant, to be included in the WQIP.
- c. The Consultant shall prepare a Draft Priority Water Quality Conditions Chapter for the PARTIES to review. Based on one round of PARTIES comments received from the first iteration of the chapter, the Consultant will prepare a second iteration of the chapter.
- d. The Consultant will compile input and data received by the public, and provide the second iteration Draft Priority Water Quality Conditions Chapter to the PARTIES and CP to consider recommendations, data and potential water quality improvement strategies received by the public for inclusion in the WQIP.
- e. The Consultant and PARTIES will consider the recommendations, data and potential water quality improvement strategies identified by the public from the CP for revisions to the Draft Priority Water Quality Conditions Chapter and develop a third iteration Draft Priority Water Quality Conditions Chapter. Consultant and PARTIES will evaluate the validity and potential effectiveness of proposed strategies, and only those deemed appropriate will be included in the WQIP.
- f. The Consultant will deliver the Draft Priority Water Quality Conditions Chapter, fulfilling the Water Quality Improvement Plan requirements of Provision B.2, for delivery to the San Diego Water Board no later than 12 months after the commencement of coverage under this Order. Upon receipt of the Draft Priority Water Quality Conditions Chapter, it is anticipated the San Diego Water Board will issue a public notice and release the proposed priority water quality conditions and potential water quality improvement strategies for public review and comment for a minimum of 30 days.
- g. Subsequent modifications, including incorporation of any comments received by the public during the anticipated Water Board-issued comment period, will be made by the Consultant to the draft WQIP itself. Comments received by the public during this review and comment period will be evaluated and considered, but are not obligated to be incorporated into the final drafts and plan. Only those deemed appropriate by the Consultant and PARTIES will be included in the WQIP.
- h. The Consultant will consider use of a simple data portal to support data calls, collection and management; however, long-term hosting of online information as part of this effort is not included in this scope of services.

2. Identification of Water Quality Improvement Goals, Strategies and Schedules

In consultation with the PARTIES, Consultant shall identify the water quality improvement goals, strategies, and schedules for the SLR WMA according the required Provision B.3 elements of the WQIP, and prepare the information in the form of a chapter to be included in the Draft WQIP. In preparing the Provision B.3 Chapter, the Consultant shall conduct the following activities:

2.1. Identification of Water Quality Improvement Goals and Schedules

Based on the Highest Priority Water Quality Conditions identified in Task 1, Consultant shall develop numeric goals to measure progress of WQIP implementation:

1. Final Numeric Goals:

In consultation with the PARTIES, the Consultant shall develop final numeric goals based on measureable criteria or indicators capable of demonstrating one or more of the following.

- a. Discharges from the PARTIES' MS4s will not cause or contribute to exceedances of water quality standards in receiving waters, AND/OR
- b. The conditions of receiving waters and associated habitat are protected from MS4 discharges, AND/OR
- c. Beneficial uses of receiving waters are protected from MS4 discharges and will be supported.

It is expected that, in evaluating bacteria water quality standards, estimates of load reductions produced in the CLRPs can be modified to conform with the Allowable Exceedance Frequency (AEF) and/or load reduction compliance metrics that are presented in Attachment E of the MS4 Permit. That said, it is recognized that there are issues related to the RWQCB's estimates of required load reduction – addressing this specific issue is beyond the scope of this specific Task Order; should the RWQCB require different methods for estimating required load reduction, actual model files, including pre- and post-processors, will be required, and a revised, specific scope would be required.

2. Interim Numeric Goals:

In consultation with the PARTIES, the Consultant shall develop interim numeric goals based on measureable criteria or indicators capable of demonstrating reasonable incremental progress toward achieving the final numeric goals in the receiving waters and/or MS4 discharges as follows:

- a. One or more interim numeric goals may be established to demonstrate progress toward achieving each final numeric goal,
- b. For each final numeric goal, at least one interim numeric goal must be expressed as a reasonable increment toward achievement of the final numeric goal,

For each final numeric goal, reasonable interim numeric goals must be established to be accomplished during each 5 year period between the acceptance of the WQIP and the achievement of the final numeric goals.

3. Jurisdictions Specific Goals:

Develop and summarize jurisdiction-specific goals for the highest priority water quality conditions. It is understood that the purpose of developing these goals is to help jurisdictions plan, budget, evaluate, and report on their individual compliance progress, and that the deliverable (memoranda) may or may not be submitted as part of the WQIP. As such, incorporation of these goals will be integrated into a technical memorandum or into the WQIP, as directed by the PARTIES. Schedules will be developed as part of the goals, strategies and schedules, which will be consistent with the overall WQIP.

4. Schedules for Final and Interim Numeric Goals

In consultation with the PARTIES, the Consultant shall develop and incorporate schedules for achieving the numeric goals into the WQIP. The schedules shall demonstrate reasonable progress toward achieving the final numeric goals. The schedules for achieving the numeric goals shall be based on the following considerations:

- a. Applicable TMDL compliance dates
- b. Achievement of the final numeric goals
- c. A realistic assessment of the shortest practicable time required based on the temporal and spatial extent and factors associated with the highest priority water quality conditions
- d. Development of at least one interim numeric goal for each final numeric goal must be established.

It is anticipated that this effort will build upon the framework and methods presented in the CLRPs but will potentially include other pollutants. If appropriate, results from the San Diego Regional Stream and Beach Reference Study and previous or ongoing bacteria source tracking studies will be considered. It is noted and recognized that quantitative goals for some pollutants of concern may not be feasible. The Consultant will also offer alternative presumptive compliance metrics for interim criteria.

As with the analysis of final limits, it is expected that previous estimates of bacteria load reductions produced in the CLRPs can be modified to conform with the Allowable Exceedance Frequency (AEF) and/or load reduction compliance metrics that are presented in Attachment E of the MS4 Permit.

2.2. Identification of Water Quality Improvement Strategies & Schedules

Based on the likely effectiveness and efficiency of the potential water quality improvement strategies identified in Task 1.5 to achieve the interim and final numeric goals identified in Task 2.1, in consultation with the PARTIES and leveraging previously developed work, the Consultant shall identify the strategies that will be implemented in each WMA as follows:

1. Jurisdictional Strategies

The results from this task will rely heavily on information provided by PARTIES to the Consultant during the data collection phase. Information provided by PARTIES will be provided in an agreed-upon, specific format, and will not be independently verified by Consultant.

- a. Identify the strategies that will be implemented within the WMA jurisdictions as part of its jurisdictional runoff management program requirements, including descriptions of the following:
 - i. For each of the inventories developed for its jurisdiction, as required under Provisions D.2.a.(1), E.3.e.(2), E.4.b, and E.5.a, each PARTY must identify the known and suspected areas or sources causing or contributing to the highest priority water quality conditions in the WMA that the PARTY will focus on in its efforts to effectively prohibit non-storm water discharges to its MS4, reduce pollutants in storm water discharges from its MS4 to the MEP, and achieve the interim and final numeric goals identified in Task 2.1;
- b. BMPs that each PARTY will evaluate for implementation for those areas or sources within its jurisdiction;
 - i. Education programs that each PARTY will evaluate for implementation for those areas or sources within its jurisdiction;
 - ii. Frequencies that each PARTY will conduct inspections on those areas or sources within its jurisdiction;
 - iii. Incentive and enforcement programs that each PARTY will evaluate for implementation for those areas or sources within its jurisdiction; and
 - iv. Any other BMPs, incentives, or programs that each PARTY will evaluate for implementation for those areas or sources within its jurisdiction.
- c. Identify the optional jurisdictional strategies that each PARTY will evaluate for implementation within its jurisdiction. As required by the Permit, descriptions of the optional jurisdictional strategies shall include:
 - i. BMPs, incentives, or programs that may be implemented by the PARTY within its jurisdiction in addition to the strategies identified above.

- ii. Incentives or programs that may be implemented by the PARTY to encourage or implement projects to retrofit areas of existing development within its jurisdiction;
 - iii. Incentives or programs that may be implemented by the PARTY to encourage or implement projects that will rehabilitate the conditions of channels or habitats within its jurisdiction;
 - iv. The funds and/or resources that must be secured by the PARTY to implement the optional strategies within its jurisdiction; and
 - v. The circumstances necessary to trigger implementation of the optional jurisdictional strategies, in addition to the strategies identified above, to achieve the interim and final numeric goals within the schedules established in Task 2.1.
- d. Identify the strategies that will be implemented by the PARTIES in coordination with or with the cooperation of other agencies (e.g. Caltrans, water districts, school districts) and/or entities (e.g. non-governmental organizations) within its jurisdiction.

2. Watershed Management Area (WMA) Strategies

In consultation with the PARTIES, the Consultant shall identify the optional regional or multi-jurisdictional strategies that will be implemented in the WMA, as necessary, to achieve the interim and final numeric goals identified in Task 2.1. It is expected that most load-reduction specific measures have been identified in the CLRP, and no significant revisions are assumed. As required by the Permit, descriptions of the optional regional or multi-jurisdictional strategies shall include:

- a. Regional or multi-jurisdictional BMPs, incentives, or programs that may be implemented by the PARTIES in the WMA;
- b. Incentives or programs that may be implemented by the PARTIES in the WMA to encourage or implement regional or multi-jurisdictional projects to retrofit areas of existing development;
- c. Incentives or programs that may be implemented by the PARTIES to encourage or implement regional or multi-jurisdictional projects that will rehabilitate the conditions of channels, streams, or habitats within the WMA;
- d. The funds and/or resources that must be secured by the PARTIES to implement the optional strategies within the WMA; and
- e. The circumstances necessary to trigger implementation of the optional regional or multi-jurisdictional strategies to achieve the interim and final numeric goals within the schedules established in Task 2.1.

3. Schedules for Implementing Strategies

In consultation with the PARTIES, the Consultant shall develop reasonable schedules for implementing the water quality improvement strategies identified to achieve the interim and final numeric goals identified and schedules established in Task 2.1. Schedules for strategy implementation shall be developed as required by the Permit.

- a. Develop schedules for the jurisdictional strategies identified that specify:
 - i. If each jurisdictional strategy identified will or will not be initiated upon acceptance of the WQIP;
 - ii. For each jurisdictional strategy that will not be initiated upon approval of the WQIP, the shortest practicable time in which each jurisdictional strategy will be initiated after acceptance of the WQIP;
 - iii. For each optional jurisdictional strategy identified, a realistic assessment of the shortest practicable time required to:
 1. Secure the resources needed to fund the optional jurisdictional strategy, and
 2. Procure the resources, materials, labor, and applicable permits necessary to initiate implementation of the optional jurisdictional strategy;
 - iv. If each jurisdictional strategy identified is expected to be continuously implemented (e.g. inspections) or completed within a schedule (e.g. construction of structural BMP); and
 - v. If a jurisdictional strategy identified is expected to be completed within a schedule, the anticipated time to complete based on a realistic assessment of the shortest practicable time required.
- b. Develop schedules for the regional or multi-jurisdictional strategies identified that specify:
 - i. A realistic assessment of the shortest practicable time to:
 1. Secure the resources needed to fund the optional regional or multi-jurisdictional strategy, and
 2. Procure the resources, materials, labor, and permits necessary to initiate the implementation of the optional regional or multi-jurisdictional strategy;
 - ii. If each regional or multi-jurisdictional strategy identified is expected to be continuously implemented (e.g. inspections) or completed within a schedule (e.g. construction of structural BMP); and
 - iii. If a regional or multi-jurisdictional strategy and/or activity identified is expected to be completed within a schedule, the anticipated time to complete based on a realistic assessment of the shortest practicable time required.

3. Project Management, Coordination, and Meetings

3.1. Schedule

The Consultant will prepare a draft schedule for review and comment by the PARTIES. The Consultant will incorporate PARTY feedback in accordance with direction provided by the County of San Diego Project Manager (PM).

3.2. Meeting Support

Consultant will prepare the draft agendas and draft summary notes for selected meetings of the PARTIES. It is assumed in this Scope of Work that nine (9) PARTY meetings will occur during FY 2013-14. Some of these meetings will involve the CP, others will not. The Consultant will clearly note on draft meeting agendas what information will be discussed and what decisions PARTY representatives will be asked to make at each meeting. The Consultant will provide draft agendas for all meetings to the County PM at least ten days prior to the meeting date. The Consultant will provide draft summary notes to the County PM no later than one week following the meeting date. The County PM will be responsible for coordinating PARTY and Consultant schedules to identify viable meeting dates, for securing appropriate meeting space, for finalizing and distributing meeting agendas and summary notes, and for noticing meeting dates to PARTIES at least one week in advance.

3.3. PARTY Meetings

Consultant will attend and prepare relevant materials for meetings with the PARTIES according to the number of meetings specified above. At least three days prior to each PARTY meeting, the Consultant shall obtain approval from the County PM with regard to which Consultant personnel will be attending in person and/or via teleconference. This Scope of Work assumes that all PARTIES will come to each meeting prepared to provide the input and feedback noted on the meeting agenda. If requested information and/or decisions are not provided as meetings, the Consultant will not be expected to delay progress on deliverables or spend additional time soliciting feedback from PARTIES.

3.4. Stakeholder outreach

Consultant will participate in one (1) workshop meeting specific to Chapter B.2 Provision of the WQIP development to perform outreach to the general public. This workshop will function as a Project Kick-off and will include the call for data. It is assumed that PARTIES and/or third parties will be responsible for hosting stakeholder meetings. Consultant will provide limited additional support. One round of comments will be collected and consolidated for review and action based on direction from the County PM and PARTIES.

3.5. Jurisdictional Support

Consultant will allocate a discretionary budget to meet with and provide jurisdiction-specific support and tailoring of the WQIP content on an as-needed basis. PARTIES will provide estimated hours needed for individual Consultant Support. The level of effort expended for this task will be limited to the budget allocation described in detail in the cost estimate schedule. Hours not expended for this task will be reimbursed in the future.

3.6. Project Management

Consultant will perform project management duties including coordinating with the County of San Diego PM and providing brief bimonthly reports (six (6) in FY 2013-14) that present the budget expended, remaining budget, actual percent complete, and an explanation of the work completed, work to be done, and explanation of any differences with respect to planned schedule. This Scope of Work assumes that the County PM will be responsible for establishing and maintaining a website for materials related to this scope of work. The Consultant will only be required to provide materials in an appropriate format to the County PM for posting.

3.7. Professional Facilitation Services, As Needed, for Consultation Panel Meetings

Consultant will procure professional facilitation services, as needed, for the CP meetings to assist with discussion and recommendations on the data received and input and recommendations provided by the public. It is assumed that one (1) public workshop and two (2) CP meetings may be held during FY13-14, which may require professional facilitation.

TASKS FOR FISCAL YEAR 2014-15

2.3 Draft Numeric Goals, Strategies, and Schedules Chapter of WQIP (continued from previous fiscal year)

In consultation with the PARTIES, the Consultant shall prepare Draft Priority Water Quality Improvement Goals and Strategies (Provision B.3) Chapter (consistent with requirement F.1.a.(3)) incorporating the above information from FY 13-14, consistent with the following processes:

- a. Data, information and recommendations will be solicited from the public to be considered in the development and identification of the draft potential numeric goals and associated schedules for the highest priority water quality conditions and the potential strategies and associated schedules to achieve these goals for the WMA. The Consultant will facilitate the previously developed call for data process, and will incorporate agreed-upon submittal schedules and formats of data from both

- PARTIES and stakeholders providing data. Submitted information must conform to submittal specifications provided by the Consultant, to be included in the WQIP.
- b. The Consultant shall prepare the Draft Goals and Strategies Chapter for PARTIES to review. Based on one round of PARTIES' comments received from the first iteration of the chapter, Consultant will prepare a second iteration of the chapter.
 - c. The Consultant will compile input and data received by the public, and provide the second iteration Draft Goals and Strategies Chapter to the PARTIES and CP to consider recommendations from the public to the draft potential numeric goals and associated schedules for the highest priority water quality conditions and the potential strategies and associated schedules to achieve these goals, for inclusion in the WQIP.
 - d. The Consultant and PARTIES will consider the recommendations for draft potential numeric goals and water quality improvement strategies identified by the public from the CP for revisions to the Draft Goals and Strategies Chapter and develop a third iteration Draft Goals and Strategies Chapter. Consultant and PARTIES will evaluate the validity and potential effectiveness of potential numeric goals and water quality improvement strategies, and only those deemed appropriate will be included in the WQIP.
 - e. The Consultant will deliver the Draft Goals and Strategies Chapter, fulfilling the Water Quality Improvement Plan requirements of Provision B.2, to the San Diego Water Board no later than 18 months after the commencement of coverage under this Order. Upon receipt of the Draft Goals and Strategies Chapter, it is anticipated the San Diego Water Board will issue a public notice and release the draft numeric goals and water quality improvement strategies for public review and comment for a minimum of 30 days.

2.3.1 Finalize Jurisdictional Goals

Subsequent modifications, including incorporation of any comments received by the public during the anticipated Water Board issued comment period, will be made by the Consultant to the draft WQIP itself. Comments received by the public during this review and comment period will be evaluated and considered, but are not obligated to be incorporated into the final drafts and plan. Only those comments deemed appropriate will be included in the WQIP.

2.3.2 Development of Optional Watershed Management Area Analysis List

The Consultant, in consultation with the Parties and pursuant to Section B.3.b.(4)(b) of the permit, will identify and compile a list of candidate projects that could potentially be used as alternative compliance options for Priority Development Projects in lieu of onsite structural BMP performance requirements described in Provisions E.3.c.(1) and

E.3.c.(2). Specifically, the PARTIES must identify opportunities to be included in the list of candidate projects in each Watershed Management Area, such as:

- a. Stream or riparian area rehabilitation;
- b. Retrofitting existing infrastructure to incorporate storm water retention or treatment;
- c. Regional BMPs
- d. Groundwater recharge projects
- e. Water supply augmentation projects, and
- f. Land purchased to preserve floodplain functions

It is anticipated that the candidate project list will be developed from work already accomplished in Task 1.5, as well as the strategies and mapping developed through the Integrated Regional Water Management (IRWM) Integrated Flood Management study. It is assumed that the remaining portions of the Watershed Management Area Analysis, Provisions B.3.b.(4)(a) and B.3.b.(4)(c), will be conducted as part of a separate region-wide effort, and associated analyses will be conducted as part of that regional effort (not this scope of work).

4. DEVELOP WATER QUALITY IMPROVEMENT MONITORING AND ASSESSMENT PLAN

The Consultant shall leverage monitoring plan materials prepared previously for the CLRP and Party MS4 outfall microbial source tracking studies, as appropriate, and develop a draft MAP. The MAP will address the post-transitional period, or permit years 3 through 5 (i.e., beginning October 2015). As described in the Permit, the MAP will outline a strategy for the WQIP to assess:

1. Progress toward achieving the numeric goals and schedules,
2. Progress toward addressing the highest priority water quality conditions for the WMA, and
3. Each Copermitttee's overall efforts to implement the WQIP.

The MAP will incorporate by reference the current regional (County-led) transitional program that meets the monitoring and assessment requirements of Provision D (the Permit's general receiving water and outfall monitoring and assessment requirements), Attachment E (applicable TMDL-specific monitoring requirements), and Attachment A (special provisions for ASBSs, not applicable to this WMA). Therefore these requirements will be fulfilled without the development of new monitoring plan components (e.g., sampling and analysis procedures or quality assurance procedures), but the strategy described above will be consistent with, and leverage as feasible and appropriate, these ongoing monitoring efforts.

The MAP will not need to address special studies as this Provision D requirement will be met through a watershed-specific special study and the ongoing regional reference stream and beach study. This also assumes no field screening/reconnaissance or visits.

The Consultant shall leverage monitoring strategies prepared during CLRP and source control/source identification monitoring studies (such as the dry weather MST Study targeting County MS4 outfalls in unincorporated areas or other studies, as appropriate) and incorporate concepts and results into a Draft MAP and a Final MAP. It is assumed that a separate permit compliance monitoring plan will address the details of Provision D (including watershed-specific monitoring elements), and where appropriate the MAP will incorporate this by reference, such as for detailed sampling, analysis, and quality assurance procedures. It is assumed that the MAP will not need to address the receiving water or transitional monitoring programs. It is also assumed that the MAP will not need to address bioassessment, hydromodification, or sediment quality monitoring, and it is assumed that the MAP will not need to address special studies¹.

5. PREPARE DRAFT WQIP

Consultant will prepare the Draft WQIP incorporating the Priority Water Quality Conditions Chapter (Provision B.2) and Water Quality Goals and Strategies Chapter (Provision B.3) with development of the following information:

5.1. Develop Project Cost Estimates

Based on the water quality priorities and watershed control measures selected, the Consultant shall conduct the following activities which will be summarized during a PARTY meeting:

1. Revise CLRP cost estimates for implementing the proposed watershed control measures.
2. Schedules completed as parts of previous tasks will be incorporated and no further revisions are assumed.

5.2. Compile Draft WQIP

Consultant shall prepare Draft WQIPs incorporating the above information and:

- a. If necessary, develop additional milestones and compliance schedules into the WQIP to measure progress toward addressing the highest water-quality priorities

¹ It is assumed that this Provision D permit requirement is being met through a SLR-specific special study and the ongoing regional reference stream and beach study.

- and achieving applicable numeric goals taking into account technological, operation, and economic factors.
- b. Outline an adaptive management process for the PARTIES to
 - i. Support the Permit-required evaluation of the effectiveness of the WQIP, and
 - ii. Modify control measures and/or monitoring accordingly to address currently identified priorities and/or future priorities.
 - c. Present elements of substantive content of WQIP elements for discussion and acceptance by PARTIES at a critical meeting (first iteration of WQIP). This will provide an opportunity to evaluate in a thorough manner the elements and responsibilities of a comprehensive plan.
 - d. Based on feedback received from the first iteration Draft WQIP, Consultant will prepare second iteration of Draft WQIP for PARTIES to review. If necessary, the Consultant will prepare a third and final iteration for submittal to the San Diego Water Board for public review. Finalize external release Draft WQIP. The Consultant shall provide up to 10 hard copies (double sided) and electronic copies (in Microsoft Word and PDF) of the Draft WQIP.
 - e. It is assumed that revisions to the Draft WQIP and responses to any comments will be conducted in FY2014-15. The Consultant shall provide up to 20 hard copies (double sided) and electronic copies (in Microsoft Word and PDF) of the Draft WQIP.
 - f. The Consultant shall provide the PARTIES with all supporting documentation used during WQIP development.

6. Project Management, Coordination, And Copermittee Meetings

6.1. Schedule

Revise detailed schedule to complete remaining tasks of this Scope of Work. The Consultant will prepare a draft schedule for review and comment by the PARTIES. The Consultant will incorporate PARTY feedback in accordance with direction provided by the County of San Diego Project Manager (PM).

6.2. Meeting Support

Prepare the draft agendas and draft summary notes for all meetings of the PARTIES. It is assumed in this Scope of Work that six (6) PARTY meetings will occur during FY 2014-15. Some of these meetings will involve the Water Quality Improvement Consultation Panel. The Consultant will clearly describe on draft meeting agendas the information and topics to be discussed and the decisions PARTY representatives will be asked to make at each meeting. The Consultant will provide draft agendas for all meetings to the County PM at least ten days prior to the meeting date. The Consultant

will provide draft summary notes to the County PM no later than one week following the meeting date. The County PM will be responsible for coordinating PARTY and Consultant schedules to identify viable meeting dates, for securing appropriate meeting space, for finalizing and distributing meeting agendas and summary notes, and for noticing meeting dates to PARTIES at least one week in advance.

6.3. PARTY Meetings

Attend and prepare relevant materials for meetings with the PARTIES according to the number of meetings specified above. At least three days prior to each PARTY meeting, the Consultant shall obtain approval from the County PM with regard to which Consultant personnel will be attending in person and/or via teleconference. This Scope of Work assumes that all PARTIES will come to each meeting prepared to provide the input and feedback noted on the meeting agenda. If requested information and/or decisions are not provided as meetings, the Consultant will not be expected to delay progress on deliverables or spend additional time soliciting feedback from PARTIES.

6.4. Stakeholder outreach

Consultant shall conduct up to one (1) workshop meeting specific to Chapter B.3 Provision of the WQIP development to perform outreach to the general public. It is assumed that PARTIES and/or third parties will be responsible for hosting stakeholder (public) meetings. One round of comments will be collected and consolidated for review and action based on direction from the County PM and PARTIES.

6.5. Jurisdictional Support

Consultant will allocate a discretionary budget to meet with and provide jurisdiction-specific support and tailoring of the WQIP content on an as-needed basis. PARTIES will provide estimated hours needed for individual Consultant Support. The level of effort expended for this task will be limited to the budget allocation described in detail in the cost estimate schedule. Hours not expended for this task will be reimbursed in the future.

6.6. Project Management

Perform project management duties including coordinating with the County of San Diego PM and providing brief quarterly reports (four (4) in FY 2014-15) that present the budget expended, remaining budget, actual percent complete, and an explanation of the work completed, work to be done, and explanation of any differences with respect to planned schedule. This Scope of Work assumes that the County PM will be responsible for establishing and maintaining a website for materials related to this scope of work.

The Consultant will only be required to provide materials in an appropriate format to the County PM for posting.

6.7. Professional Facilitation Services, As Needed, for Consultation Panel and Stakeholder Meetings

Consultant will procure professional facilitation services, as needed, for the CP meetings to assist with discussion and recommendations on the data received and input and recommendations provided by the public. It is assumed that two (2) public workshops and two (2) CP meetings may be held during FY14-15, which may require professional facilitation.

TASKS FOR FISCAL YEAR 2015-16

7. FINAL WQIP

This task includes composing responses to comments generated during the public comment period after submission of the Draft WQIP to the San Diego Water Board, and incorporating revisions to the plan as necessary, including preparation of a final WQIP. It is assumed that no new analyses, stakeholder or CP participation, presentations, or substantial changes will be required.

DELIVERABLES AND SCHEDULE:

In order to expedite development of the Draft WQIP, input will be provided as presentation materials during key PARTY meetings.

SCHEDULE

FY 13-14

	Milestone Description	Format	Schedule
1	WQIP project kick-off, presentation of scope, schedule, and data request; Stakeholder Workshop 1 and Water Quality Improvement Consultation Panel (CP)	Meeting	September-13
2	PARTY meeting to present results from Task 1/Provision B.2 Chapter	Meeting	November-13
3	Incorporate feedback from PARTIES on Draft Task 1/Provision B.2 Chapter	Report	December-13
4	Panel meeting to present results from Task 1/Provision B.2 Chapter	Meeting	January-14
5	Incorporate feedback from Panel on Draft Task 1/Provision B.2 Chapter	Report	February-14
6	Submission of Task 1/Provision B.2 Chapter of WQIP to San Diego Water Board	Report	March-14
7	Incorporate feedback from Public review on Draft Task 1/Provision B.2 Chapter	Report	April-14

FY 14-15

8	PARTY meeting to present results from Task 2/Provision B.3 Chapter	Meeting	July-14
9	Incorporate feedback from PARTIES on Draft Task 2/Provision B.3 Chapter	Report	August-14
10	Panel meeting to present results from Draft Task 2/Provision B.3 Chapter and Stakeholder Workshop 2	Meeting	September-14
11	Incorporate feedback from Panel on Draft Task 2/Provision B.3 Chapter	Report	October-14
12	Submission of Draft Task 2/Provision B.3 Chapter of WQIP to San Diego Water Board	Report	November-14
13	Incorporate feedback from Public review on Draft Task 2/Provision B.3 Chapter	Report	December-14
14	Compile Draft WQIP including Task 4 (MAP) and Task 5 (Draft WQIP)	Report	February-15
15	Submit Draft WQIP to San Diego County Board of Supervisors for approval	Report	March-15
16	Submit Draft Final WQIP to San Diego Water Board	Report	June-15

FY 15-16

17	Receive/discuss public comment	Meeting	July-15
18	Submit revised/Final WQIP to San Diego Regional Board	Report	September-15
19	Regional Board Notice of Acceptance		TBD

It is expected that information and input will be provided during and immediately following meeting presentations within an agreed upon timeframe; presentations will not be revised but input and changes will be presented in subsequent meetings, and final content incorporated into WQIPs.

PAYMENT OF FEE FOR CONSULTANTS SERVICES:

The fee for Consultant services is as follows: FY 2013-14 SLR WQIP Cost Estimate							
Scope of Services	Staff- Proj	Sr.- Princ.	Hours	Party Specific Labor	Cost Shared Labor	Subs/ ODCs	Total
	\$105	\$175					
TASK 1 - Identification of Priority Water Quality Conditions	278	176	454		\$59,990	\$0	\$59,990
1.1 - Assessment of Receiving Water Conditions	60	35	95		\$12,425		\$12,425
1.2 - Assessment of Impacts from MS4 Discharges	60	35	95		\$12,425		\$12,425
1.3 - Identification of Priority Water Quality Conditions	40	30	70		\$9,450		\$9,450
1.4 - ID of MS4 Sources of Pollutants and/or Stressors	40	30	70		\$9,450		\$9,450
1.5 - ID of Potential Water Quality Improvement Strategies	18	6	24		\$2,940		\$2,940
1.6 - Draft Priority WQ Conditions Chapter of WQIP	60	40	100		\$13,300		\$13,300
TASK 2 - WQ Improvement Goals, Strategies & Schedules	430	210	640		\$81,900	\$0	\$81,900
2.1 - ID of WQ Improvement Goals & Schedules	200	100	300		\$38,500		\$38,500
2.1.3 Development of Draft Jurisdiction Specific Goals	30	10	40		\$4,900		\$4,900
2.2 - ID of WQ Improvement Strategies & Schedules	200	100	300		\$38,500		\$38,500
TASK 3 - Project Management, Coordination, and Meetings	152	205	355	\$8,540	\$43,295	\$5,000	\$56,835
3.1 - Schedule	8	8	16		\$2,240		\$2,240
3.2 - Meeting Support (9 meetings)	27	18	45		\$5,985		\$5,985
3.3 - PARTY Meetings (9 meetings)	36	90	126		\$19,530	\$500	\$20,030
3.4 - Stakeholder Outreach (1 meeting)	16	24	40		\$5,880	\$1,000	\$6,880
3.5 - Jurisdictional Support	53	17	68	\$8,540			\$8,540
County of San Diego	30	10		\$4,900			
City of Oceanside	15	5		\$2,450			
City of Vista	8	2		\$1,190			
Caltrans	0	0		\$0			
3.6 - Project Management (6 monthly reports)	12	48	60		\$9,660		\$9,660

Exhibit A

3.7 – Professional Facilitation Services, as needed						\$3,500	\$3,500
Task Order Total FY 2013-14	860	591	1451	\$8,540	\$185,185	\$5,000	\$198,725

FY 14-15 SLR WQIP Cost Estimate							
Scope of Services	Staff- Proj	Sr.- Princ.	Hours	Party Specific Labor	Cost Shared Labor	Subs/ ODCs	Total
	\$105	\$175					
TASK 2 - Water Quality Improvement Goals, Strategies & Schedules Cont.	158	66	224		\$28,140	\$0	\$28,140
2.3 - Draft Priority WQ Strategies Chapter of WQIP	80	40	120		\$15,400		\$15,400
2.3.1 - Finalize Jurisdictional Specific Goals	30	10	40		\$4,900		\$4,900
2.3.2 – Optional WMAA Development, MS4 Permit B.3.(4)(b)	48	16	64		\$7,840		\$7,840
TASK 4 - Develop Monitoring and Assessment Plan	130	100	230		\$31,150	\$0	\$31,150
4.1 - Outfall and Receiving Water Monitoring Approach	45	40	85		\$11,725		\$11,725
4.2 - Site Selection	40	20	60		\$7,700		\$7,700
4.3 - Draft MAP	45	40	85		\$11,725		\$11,725
TASK 5 - Draft WQIP	155	100	255		\$33,775	\$0	\$33,775
5.1 - Project Schedules and Cost Estimates	75	50	125		\$16,625		\$16,625
5.2 - Draft WQIP	80	50	130		\$17,150		\$17,150
TASK 6 - Project Management, Coordination, and Meetings	123	153	276	\$8,540	\$31,150	\$8,500	\$48,190
6.1 - Schedule	4	8	12		\$1,820		\$1,820
6.2 - Meeting Support (6 meetings)	18	12	30		\$3,990		\$3,990
6.3 - PARTY Meetings (6 meetings)	24	60	84		\$13,020	\$500	\$13,520
6.4 - Stakeholder Outreach (1 meeting)	16	24	40		\$5,880	\$1,000	\$6,880
6.5 - Jurisdictional Support	53	17	75	\$8,540			\$8,540
County of San Diego	30	10	40	\$4,900			
City of Oceanside	15	5	20	\$2,450			

Exhibit A

City of Vista	8	2	10	\$1,190			
Caltrans	0	0		\$0			
6.6 - Project Management (quarterly reports)	8	32	40		\$6,440		\$6,440
6.7 – Professional Facilitation Services, as needed						\$7,000	\$7,000
Task Order Total FY 2014-15	566	419	985	\$8,540	\$124,215	\$8,500	\$141,255

TASK 7-Final WQIP (FY 15-16)	50	60	110		\$15,750	\$0	\$15,750
7.1 Discuss/Resolve disposition on comments	10	20	30		\$4,550		\$4,550
7.2 Finalize WQIP	40	40	80		\$11,200		\$11,200
Task Order Total FY 2015-16	50	60	110		\$15,750		\$15,750

SUMMARY:

Task Order Total FY 2013-14: \$198,725

Task Order Total FY 2014-15: \$141,255

Task Order Total FY 2015-16: \$15,750

APPROVALS:

Approved By:

Accepted By:

Department of Public Works

Geosyntec Consultants

Jo Ann Weber,
Watershed Protection Program

Ken Susilo
Project Manager

Date: _____

Date: _____



County of San Diego

RICHARD E. CROMPTON
DIRECTOR

DEPARTMENT OF PUBLIC WORKS

5510 OVERLAND AVE, SUITE 410
SAN DIEGO, CALIFORNIA 92123-1237

(858) 694-2212 FAX: (858) 694-3597
Web Site: www.sdcountry.ca.gov/dpw/

May 17, 2013

Nathan Schaedler, Project Manager
AMEC Environment & Infrastructure, Inc
9177 Sky Park Court
San Diego, CA 92123-4341

DPW Contract File 999-B

Dear Mr. Schaedler:

NOTICE TO PROCEED – WATER QUALITY AND WATER QUANTITY SERVICES FOR WPP AS-NEEDED - TASK ORDER NO. 29 – SAN LUIS REY RIVER TMDL MONITORING [CONTRACT NO. 542922]

Department of Public Works (DPW) Watershed Protection Program requests assistance with water quality monitoring in the San Luis Rey Watershed to comply with the Bacteria TMDL. This task order includes preparation of a Quality Assurance Project Plan (QAPP) and Monitoring Plan (MP) as well as wet and dry weather fecal indicator bacteria (FIB) monitoring during the 2013-2014 as described in the attached scope of work. DPW approves this task on a time & materials basis not to exceed \$ 57,562. The work will be completed September 1, 2014.

This letter serves as Notice to Proceed and ratification of authorization to begin work on this project assignment. The effective date for work to start based on verbal approval was May 17, 2013.

The County of San Diego (County) has designated Joanna Wisniewska, Land Use Development Planner III, as the Department's Project Manager for this assignment. Invoices will require her review and approval prior to payment. If you have questions or need additional information, please contact her at (858) 694-2312.

Total compensation paid to AMEC Environment & Infrastructure, Inc by the County under terms of this Task Order shall not exceed \$ 57,562.

To expedite payment, invoices submitted by your firm under the as-needed master contract (Contract No. 542922) must be submitted to the attention of the designated Project Manager at 5510 Overland Avenue; Ste. 410; San Diego, CA 92123-1239, Mail Stop O326. Invoices are to

Mr. Schaedler
May 17, 2013
Page 2

be submitted on a project-by-project basis and specifically identify the project assignment. Invoices submitted must indicate dates services provided and must be accompanied by satisfactory documentation for services provided.

Payment for invoices received without proper identification or documentation may be delayed. Invoices for this project assignment must include the following components:

TASK ORDER NO. 29- SAN LUIS REY RIVER TMDL MONITORING [CONTRACT NO. 542922]

An authorized officer of AMEC Environment & Infrastructure, Inc shall approve and acknowledge receipt of this task order by signing below. The signed original shall be returned for filing with the master contract.

If you require additional information please contact Jo Ann Weber of the Watershed Protection Program at (858) 495-5317.

Sincerely,



JO ANN WEBER, Water Quality Program Coordinator
Department of Public Works

MKF:cw

Enclosure

cc: Todd Snyder, DPW (0326)
Jo Ann Weber, DPW (0326)
Greg Richards, DPW (0340)
Linda Leach, DPW (0340)

Approved and Acknowledged: AMEC Environment & Infrastructure, Inc.

By: Nathan Schaedler Date: 5/27/13
Authorized Officer

May 17, 2013

County of San Diego, Department of Public Works
5510 Overland Avenue, Suite 410
San Diego, CA 92123



Subject: Statement of Work for Task Order 29 -- San Luis Rey River TMDL Monitoring

The purpose of this task order is to perform water quality monitoring in the San Luis Rey River Watershed to comply with the Bacteria TMDL. This task order includes monitoring during the 2013-2014 monitoring season to implement TMDL compliance monitoring per the requirements of the MS4 stormwater permit (NPDES Permit No. R9-2013-0001) (MS4 Permit). Effort for conducting the TMDL monitoring will be incurred and billed in fiscal year (FY) 2013-2014.

The County of San Diego (County) Department of Public Works has requested AMEC to conduct monitoring at one (1) compliance monitoring location provided in Table 1. AMEC will be responsible for: developing a Quality Assurance Project Plan (QAPP) and Monitoring Plan, conducting wet weather monitoring, submitting wet and dry weather samples to an analytical laboratory certified by the State of California in the analytical methods required, paying for the laboratory costs for wet weather samples, developing an electronic data deliverable, and preparing a letter report summarizing the activities. Three (3) wet weather sampling events will be conducted at one (1) beach location within the San Luis Rey River watershed. Dry weather monitoring is will be conducted monthly between November 1, 2013 until March 31, 2014 and weekly (a minimum of five times per month) between June 24, 2013 and October 31, 2013 and April 1, 2014 and June 30, 2014 at the same location.

Table 1: San Luis Rey River Watershed Bacteria TMDL Monitoring Locations

Site ID	Site Name	Site Type	Latitude	Longitude
SLR-01	Oceanside City Beach at San Luis Rey River Mouth	Pacific Ocean Shoreline	33.202184	-117.392205

The cost estimate is provided in attachment A. The total cost is \$57,562. The scope will be performed based on the following tasks:

Task 1. QAPP Development = \$11,003

Provide a QAPP and MP specific to the TMDL compliance monitoring per the MS4 Permit which was adopted on May 8, 2013. The QAPP/MP will provide information, protocols, field and laboratory procedures, quality assurance controls, and corrective action procedures. The draft QAPP and Monitoring Plan will be provided electronically for review and comments. The QAPP will be finalized based on comments received from the RPs. All samples will be analyzed for the constituents listed in Table 2.

Table 2. List of Constituents

Parameter	Project Reporting Limit (per 100mL)	Analytical Method
<i>Enterococcus</i>	1 CFU	EPA 1600
Fecal Coliform	2 MPN/CFU	SM9222D (3 dilutions) ^(b)
Total Coliform	2 MPN/CFU	SM9222B (3 dilutions) ^(b)

Notes:

- (a) The reporting limits are consistent with the existing AB411 program.
 - (b) Multiple Tube Fermentation may be used for turbid samples as described in the QAPP.
- CFU Colony Forming Units

Meetings:

This task includes one meeting with the RPs to discuss detailed methodology and notification procedures for compliance monitoring. This is the first year this program is being implemented and AMEC will work with the County to develop a QAPP to meet the minimum requirements of the MS4 permit.

Deliverables:

The Draft QAPP will be submitted three (3) weeks from receipt of the Task Order.
 Assume five (5) business days for the County to review the document and provide comments.
 The final QAPP will be submitted within five (5) business days of receipt of comments.
 Actual dates will be confirmed via email upon receipt of the Task Order.

Task 2. Dry Weather Monitoring = \$23,281

Monitoring will be conducted in accordance with the QAPP. Sampling will begin the week of June 24, 2013.

Dry weather monitoring will occur monthly between November 1, 2013 and March 31, 2014 and at least weekly (five times per month) between June 24, 2013 and October 31, 2013 and between April 1, 2014 through June 30, 2014. Dry weather sampling will occur on a dry weather day per the requirements of the MS4 Permit. Five (5) samples per month per site are to be collected after an antecedent dry period of 72 hours. AB411 sampling protocols will be used. During each dry-weather monitoring event, field observations will be recorded and a grab water sample will be collected at the compliance monitoring locations listed in Table 1. A total of 46 samples including qa will be collected during dry weather.

Samples will be transported under chain-of-custody and on ice per the QAPP. Dry weather samples will be delivered to the City of San Diego Public Utilities Department, Wastewater Operations, Environmental Monitoring & Technical Services, Marine-Microbiology Laboratory with adequate time to meet the holding time requirements. AMEC will contact the laboratory prior to sampling to arrange sample drop-off. Dry weather monitoring costs do not include analytical costs.

Deliverables:

AMEC will submit email updates on a monthly basis that will include a summary of sampling activities.

Task 3. Wet Weather Monitoring = \$6,740

AMEC will perform wet weather sampling during three storm events during the wet weather monitoring period (October 1, 2013 and April 30, 2014) in accordance with the MS4 Permit. This task includes weather monitoring, staffing, mobilization, monitoring, sample coordination and delivery, and laboratory analysis.

AMEC will monitor the first qualifying first storm event beginning October 1, 2013 and two additional events prior to April 30, 2014.

Storms resulting in greater than 0.1 inches of precipitation will be targeted for analysis. One (1) grab sample will be collected per storm. Communication with the County of San Diego project manager will be made within 48 hours of the intent to monitor a storm via email. During each wet-weather monitoring event, field observations will be recorded and a grab water sample will be collected at the compliance monitoring locations.

Samples will be transported under chain-of-custody and on ice per the QAPP. All samples will be delivered to the Weck Laboratories with adequate time to meet the holding times requirements. Wet weather monitoring costs include Weck Laboratories analytical costs. Analytical costs include three dilutions, courier services, and CEDEN compatible vials.

Deliverables:

AMEC will prepare and submit email updates within five (5) weeks after each event to provide to summarize sampling activities.

Task 4. Reporting = \$16,539

This task includes preparation of the 2013-2014 Compliance Monitoring Letter Report. The data collected in the 2013-2014 monitoring season will be compiled and analyses will be performed. This task includes review of analytical data to verify that it meets Quality Assurance and Quality Control (QA/QC) requirements in accordance with the QAPP. A CEDEN compatible electronic data deliverable (EDD) will be developed and submitted with the final report. The draft letter report will describe the sample collection methods, sampling events, data quality, exceedance frequency and summary of key observations. This reporting effort does not include the calculation of the "existing" dry weather exceedance frequency based on 1996 to 2002 data set. The exceedance frequency will be calculated per the methods provided in the MS4 Permit.

Meetings:

This task includes one (1) meeting with RPs to discuss format and content of the Letter Report. This is the first year this program is being implemented and AMEC will work with the County to develop a Letter Report to meet the minimum requirements of the MS4 permit and that can be easily incorporated into the County's Annual Report.

Deliverables:

Draft Letter Report and Draft EDD will be submitted by August 22, 2014. The files will be provided electronically for review and comments.

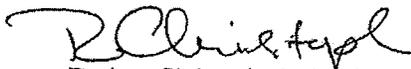
Assume five (5) business days for the County to review the document and provide comments.

AMEC will submit the Final Letter Report and Final EDD will be submitted by September 19, 2014. The Letter Report will be finalized based on comments received by the RPs. Up to 6 hardcopies of the Final Letter Report with CDs will be provided.

We appreciate the opportunity to work with the County of San Diego Department of Public Works on this important project.

Sincerely,

AMEC Environment & Infrastructure, Inc.


Roshan Christoph, CPSWQ

Senior Scientist



Nathan Schaedler, P.E.

Senior Principal Engineer

**Summary of Annual Copermittee Proposed Shared Costs
Budget
San Luis Rey River HU (903.00)**

Copermittee	FY 13-14 WQIP	Jurisdictional Support Cost*	TMDL Monitoring	FY 13-14 Total
OCEANSIDE	\$53,756	\$2,450	\$16,755	\$72,961
S.D. COUNTY	\$118,903	\$4,900	\$37,060	\$160,863
VISTA	\$8,017	\$1,190	\$2,499	\$11,706
CALTRANS	\$9,509	\$0	\$2,964	\$12,473
TOTALS	\$190,185	\$8,540	\$59,278	\$258,003

Copermittee	FY 14-15 WQIP	Jurisdictional Support Hours*	TMDL Monitoring	FY 14-15 Total
OCEANSIDE	\$37,512	\$2,450	\$16,755	\$56,717
S.D. COUNTY	\$82,973	\$4,900	\$37,060	\$124,933
VISTA	\$5,595	\$1,190	\$2,499	\$9,283
CALTRANS	\$6,636	\$0	\$2,964	\$9,600
TOTALS	\$132,715	\$8,540	\$59,278	\$200,533

Copermittee	FY 15-16 WQIP	Jurisdictional Support Hours*	TMDL Monitoring	FY 15-16 Total
OCEANSIDE	\$4,452	\$0	\$16,755	\$21,207
S.D. COUNTY	\$9,847	\$0	\$37,060	\$46,907
VISTA	\$664	\$0	\$2,499	\$3,163
CALTRANS	\$788	\$0	\$2,964	\$3,751
TOTALS	\$15,750	\$0	\$59,278	\$75,028

Copermittee	WQIP and TMDL
OCEANSIDE	\$150,884
S.D. COUNTY	\$332,704
VISTA	\$24,152
CALTRANS	\$25,824
TOTALS	\$533,564

* Jurisdictional Support Hours represent Consultant support for jurisdictional specific tasks and will be billed on an as needed basis, not to exceed the annual dollar values included here. These costs are not shared among the Parties.

9/11/2013

Exhibit C

**FY13-14 WQIP Proposed Copermittee Shared Costs Budget
San Luis Rey River HU (903.00)**

Copermittee	Population* 45%		Land Area (all land uses) 45%		Equal Division 10%	Total Invoiced \$190,185
	2010 Population	% of Total	Land Area (Acres)	% of Total		
OCEANSIDE	83,771	51.15%	15,893	7.56%	\$6,023	\$53,756 28.26%
S.D. COUNTY	76,565	46.75%	193,599	92.09%	\$6,023	\$118,903 62.52%
VISTA	3,440	2.10%	742	0.35%	\$6,023	\$8,017 4.22%
CALTRANS	0	0.00%	0	0.00%	\$0	\$9,509 5.00%
TOTALS	163,776	100.00%	210,234	100.00%	\$18,068	\$190,185 100.0%

*2010 US Census data, below the seven mile diversion
Area includes all land uses that are below the seven mile diversion located below lake Henshaw (HSA's 903.11, 903.12, 903.13, 903.14, 903.16, 903.21, and 903.22).
The City of Escondido was excluded.

**FY13-14 WQIP Proposed Copermittee Shared Costs Budget
San Luis Rey River HU (903.00)**

Copermittee	Population* 45%		Land Area (all land uses) 45%		Equal Division 10%	Total Invoiced \$132,715
	2010 Population	% of Total	Land Area (Acres)	% of Total		
OCEANSIDE	83,771	51.15%	15,893	7.56%	\$4,203	\$37,512
S.D. COUNTY	76,565	46.75%	193,599	92.09%	\$4,203	\$82,973
VISTA	3,440	2.10%	742	0.35%	\$4,203	\$5,595
CALTRANS	0	0.00%	0	0.00%	\$0	\$6,636
TOTALS	163,776	100.00%	210,234	100.00%	\$12,608	\$132,715
						% of Total
						28.26%
						62.52%
						4.22%
						5.00%
						100.0%

*2010 US Census data, below the seven mile diversion
 Area includes all land uses that are below the seven mile diversion located below lake Henshaw (HSA's 903.11, 903.12, 903.13, 903.14, 903.16, 903.21, and 903.22).
 The City of Escondido was excluded.

