

DEPARTMENT OF WATER RESOURCES

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



May 12, 2015

Ms. Gail Farber
Chief Engineer
Los Angeles County Flood Control District
900 South Fremont Avenue
Alhambra, CA 91803

**Proposition 84 – Drought Round - Integrated Regional Water Management (IRWM)
Grant; Agreement No. 4600010894**

Dear Ms. Farber:

Enclosed is an original executed copy of Agreement No. 4600010894.

If you have any questions, please contact Simarjit Dhanota, Project Manager at 916.651.9250 or via email at simar.dhanota@water.ca.gov.

Sincerely,

A handwritten signature in cursive script that reads "S. Greene".

Susan Greene
Contract Analyst
Implementation Grants Section
Financial Assistance Branch
Division of Integrated Regional Water Management

Enclosures

cc: Simar Dhanota, Project Manager, IRWM FAB
Erica Sasman, IRWM Grant Manager, LACFLD
Mark J. Saladino, County Counsel, Los Angeles County

**GRANT AGREEMENT BETWEEN THE STATE OF CALIFORNIA (DEPARTMENT OF WATER RESOURCES) AND
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
AGREEMENT NUMBER 4600010894
PROPOSITION 84 INTEGRATED REGIONAL WATER MANAGEMENT (IRWM) 2014 DROUGHT GRANT
CALIFORNIA PUBLIC RESOURCES CODE §75026 ET SEQ.**

THIS GRANT AGREEMENT is entered into by and between the Department of Water Resources of the State of California, herein referred to as the "State" or "DWR" and the Los Angeles County Flood Control District, a public agency in the State of California, duly organized, existing, and acting pursuant to the laws thereof, herein referred to as the "Grantee", which parties do hereby agree as follows:

1. PURPOSE. State shall provide funding from the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 to Grantee to assist in financing projects associated with the Greater Los Angeles County IRWM Plan pursuant to Chapter 8 (commencing with Section 79560) of Division 26.5 of the California Water Code (CWC), hereinafter collectively referred to as "IRWM Program."
2. TERM OF GRANT AGREEMENT. The term of this Grant Agreement begins on the date this Grant Agreement is executed by State, and terminates on June 30, 2018, or when all of the Parties' obligations under this Grant Agreement are fully satisfied, whichever occurs earlier. Execution date is the date the State signs this Grant Agreement indicated on page 9.
3. TOTAL PROJECT COST. The reasonable Total Cost of the Projects is estimated to be \$174,667,807.
4. GRANT AMOUNT. The maximum amount payable by the State under this Agreement shall not exceed \$27,261,414.
5. GRANTEE COST SHARE. Grantee agrees to fund the difference between the Total Project Cost, and the Grant Amount (amount specified in Paragraph 4). Cost Share consists of Funding Match and Additional Cost Share, as documented in Exhibit B (Budget). Additional Cost Share is the amount necessary to fund the project above the Grant Amount and the Funding Match. Additional Cost Share will not be reviewed by the State for invoicing purposes; however, the Grantee is required to maintain all financial records associated with the project in accordance with Exhibit I (State Audit Document Requirements).
6. FUNDING MATCH. Funding Match is defined as the minimum amount of Grantee Cost Share required, and cannot include other State funds. Grantee is required to provide a Funding Match of at least 25% of the Total Project Cost (unless a Disadvantaged Community project waiver is granted). The Grantee's Funding Match is estimated to be \$48,769,638. Grantee's Funding Match may include in-kind services that are part of Exhibit A (Work Plan) and performed after January 1, 2010.
7. GRANTEE'S RESPONSIBILITY. Grantee and its representatives shall:
 - a) Faithfully and expeditiously perform or cause to be performed all project work as described in Exhibit A (Work Plan) and in accordance with Exhibit B (Budget) and Exhibit C (Schedule).
 - b) Accept and agree to comply with all terms, provisions, conditions, and written commitments of this Grant Agreement, including all incorporated documents, and to fulfill all assurances, declarations, representations, and statements made by Grantee in the application, documents, amendments, and communications filed in support of its request for Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 financing.
 - c) Comply with all applicable California laws and regulations.
 - d) Implement the Projects in accordance with applicable provisions of the law.
 - e) Fulfill its obligations under the Grant Agreement, and be responsible for the performance of the projects.
8. LOCAL PROJECT SPONSOR'S RESPONSIBILITY. Grantee shall assign Local Project Sponsors to act on behalf of Grantee for the purposes of individual project management, oversight, compliance, and operations and maintenance. Local Project Sponsors shall be assigned in accordance with the participating agencies identified in the Greater Los Angeles County IRWM 2014 Drought Solicitation Implementation Grant Proposal grant application. Exhibit F identifies Local Project Sponsors. Local Project Sponsors shall also act on behalf of Grantee in the fulfillment of Grantee responsibilities where specifically specified in this Grant Agreement.

9. BASIC CONDITIONS. State shall have no obligation to disburse money for projects under this Grant Agreement until Grantee has satisfied the following conditions (if applicable):
- a) Grantee and Local Project Sponsors demonstrate the availability of sufficient funds to complete each project by submitting the most recent 3 years of audited financial statements.
 - b) Grantee must demonstrate compliance with the groundwater compliance options set forth on pages 13 and 14 of the IRWM Program Guidelines, dated June 2014.
 - c) For the term of this Grant Agreement, Grantee submits timely Quarterly Progress Reports as required by Paragraph 19, "Submission of Reports."
 - d) Grantee submits deliverables as specified in Paragraph 19 of this Grant Agreement and in Exhibit A.
 - e) Prior to the commencement of construction or implementation activities, Grantee shall submit the following to the State for each project:
 - 1) Final plans and specifications certified by a California Registered Professional (Civil Engineer or Geologist, as appropriate) for each approved project as listed in Exhibit A of this Grant Agreement.
 - 2) Environmental Documentation:
 - i) Grantee submits to the State all applicable environmental permits,
 - ii) Documents that satisfy the CEQA process are received by the State,
 - iii) State has completed its CEQA compliance review as a Responsible Agency, and
 - iv) Grantee receives written concurrence from the State of Lead Agency's CEQA documents and State notice of verification of environmental permit submittal.

State's concurrence of Lead Agency's CEQA documents is fully discretionary and shall constitute a condition precedent to any work (i.e., construction or implementation activities) for which it is required. Once CEQA documentation has been completed, State will consider the environmental documents and decide whether to continue to fund the projects or to require changes, alterations or other mitigation. Grantee must also demonstrate that it has complied with all applicable requirements of the National Environmental Policy Act by submitting copies of any environmental documents, including environmental impact statements, Finding of No Significant Impact, and mitigation monitoring programs as may be required prior to beginning construction/implementation.
 - 3) A monitoring plan as required by Paragraph 21, "Project Monitoring Plan Requirements."
10. DISBURSEMENT OF FUNDS. State will disburse to Grantee the amount approved, subject to the availability of funds through normal State processes. Notwithstanding any other provision of this Grant Agreement, no disbursement shall be required at any time or in any manner which is in violation of, or in conflict with, federal or state laws, rules, or regulations, or which may require any rebates to the federal government, or any loss of tax-free status on state bonds, pursuant to any federal statute or regulation. Any and all money disbursed to Grantee under this Grant Agreement and any and all interest earned by Grantee on such money shall be used solely to pay Eligible Project Costs, as defined in Paragraph 11.
11. ELIGIBLE PROJECT COST. Grantee shall apply State funds received only to Eligible Project Costs in accordance with applicable provisions of the law and Exhibit B. Eligible project costs include the reasonable costs of studies, engineering, design, land and easement acquisition, legal fees, preparation of environmental documentation, environmental mitigations, monitoring, and project construction. Reasonable administrative expenses may be included as Total Project Costs and will depend on the complexity of the project preparation, planning, coordination, construction, acquisitions, and implementation. Reimbursable administrative expenses are the necessary costs incidentally but directly related to the projects including the portion of overhead and administrative expenses that are directly related to the projects included in this Agreement in accordance with the standard accounting practices of the Grantee. Work performed on the projects after January 17, 2014 shall be eligible for reimbursement.

Costs that are not eligible for reimbursement with State funds cannot be counted as Funding Match. Costs that are not eligible for reimbursement include, but are not limited to the following items:

- a) Costs, other than those noted above, incurred prior to the award date of the Grant.
- b) Operation and maintenance costs, including post construction performance and monitoring costs.

- c) Purchase of equipment not an integral part of a project.
- d) Establishing a reserve fund.
- e) Purchase of water supply.
- f) Monitoring and assessment costs for efforts required after project construction is complete.
- g) Replacement of existing funding sources for ongoing programs.
- h) Travel and per diem costs (per diem includes subsistence and other related costs).
- i) Support of existing agency requirements and mandates (e.g., punitive regulatory agency requirement).
- j) Purchase of land in excess of the minimum required acreage necessary to operate as an integral part of a project, as set forth and detailed by engineering and feasibility studies.
- k) Payment of principal or interest of existing indebtedness or any interest payments unless the debt is incurred after execution of this Grant Agreement, the State agrees in writing to the eligibility of the costs for reimbursement before the debt is incurred, and the purposes for which the debt is incurred are otherwise eligible costs. However, this will only be allowed as Grantee cost share (i.e., Funding Match).
- l) Overhead not directly related to project costs.

12. METHOD OF PAYMENT. Grantee shall submit a copy of invoice for costs incurred and supporting documentation to the DWR Project Manager via Grant Review and Tracking Systems (GRanTS). Additionally, the original invoice form with signature and date (in ink) of Grantee's Project Representative, as indicated on page 9 of this Agreement, must be sent to the DWR Project Manager for approval. Invoices submitted via GRanTS shall include the following information:

- a) Costs incurred for work performed in implementing the projects during the period identified in the particular invoice.
- b) Costs incurred for any interests in real property (land or easements) that have been necessarily acquired for the projects during the period identified in the particular invoice for the implementation of a project.
- c) Invoices shall be submitted on forms provided by State and shall meet the following format requirements:
 - 1) Invoices must contain the date of the invoice, the time period covered by the invoice, and the total amount due.
 - 2) Invoices must be itemized based on the categories (i.e., tasks) specified in Exhibit B. The amount claimed for salaries/wages/consultant fees must include a calculation formula (i.e., hours or days worked times the hourly or daily rate = the total amount claimed).
 - 3) Sufficient evidence (e.g. receipts, copies of checks, time sheets) as determined by the State must be provided for all costs included in the invoice. Additional Cost Share shall be accounted for separately in the progress reports.
 - 4) Each invoice shall clearly delineate those costs claimed for reimbursement from the State's Grant Amount, as depicted in Paragraph 4, and those costs that represent Grantee's Funding Match, as applicable, in Paragraph 6.
 - 5) DWR Project Manager will notify Grantee, in a timely manner, when, upon review of an Invoice, the State determines that any portion or portions of the costs claimed are not eligible costs or are not supported by documentation or receipts acceptable to State. Grantee may, within thirty (30) calendar days of the date of receipt of such notice, submit additional documentation to State to cure such deficiency(ies). If Grantee fails to submit adequate documentation curing the deficiency(ies), State will adjust the pending invoice by the amount of ineligible or unapproved costs. After the disbursement requirements in Paragraph 9 "Basic Conditions" are met, State will disburse the whole or portions of State funding to Grantee, following receipt from Grantee via US mail or Express mail delivery of a "wet signature" invoice for costs incurred, including Cost Share, and timely Quarterly Progress Reports as required by Paragraph 19, Submission of Reports. Payment will be made no more frequently than monthly, in arrears, upon receipt of an invoice bearing the Grant Agreement number.

13. WITHHOLDING OF DISBURSEMENTS BY STATE. If State determines that a project is not being implemented in accordance with the provisions of this Grant Agreement, or that Grantee has failed in any other respect to comply with the provisions of this Grant Agreement, and if Grantee does not remedy any such failure to State's satisfaction, State may withhold from Grantee all or any portion of the State funding and take any other action that it deems necessary to protect its interests. Where a portion of the State funding has been disbursed to the Grantee and State notifies Grantee of its decision not to release funds that have been withheld pursuant to Paragraph 14, the portion that has been disbursed shall thereafter be repaid immediately with interest at the California general obligation bond interest rate at the time the State notifies the Grantee, as directed by State. State may consider Grantee's refusal to repay the requested disbursed amount a contract breach subject to the default provisions in Paragraph 14, "Default Provisions." If State notifies Grantee of its decision to withhold the entire funding amount from Grantee pursuant to this paragraph, this Grant Agreement shall terminate upon receipt of such notice by Grantee and the State shall no longer be required to provide funds under this Grant Agreement and the Grant Agreement shall no longer be binding on either party.
14. DEFAULT PROVISIONS. Grantee (and a Local Project Sponsor receiving grant funding through this Grant Agreement) will be in default under this Grant Agreement if any of the following occur:
- Substantial breaches of this Grant Agreement, or any supplement or amendment to it, or any other agreement between Grantee and State evidencing or securing Grantee's obligations.
 - Making any false warranty, representation, or statement with respect to this Grant Agreement or the application filed to obtain this Grant Agreement.
 - Failure to maintain an adopted IRWM Plan that meets the requirements contained in Part 2.2 of Division 6 of the CWC, commencing with Section 10530.
 - Failure to operate or maintain project(s) in accordance with this Grant Agreement.
 - Failure to make any remittance required by this Grant Agreement.
 - Failure to comply with Labor Compliance Program requirements (Paragraph 18).
 - Failure to submit timely progress reports.
 - Failure to routinely invoice State.
 - Failure to meet any of the requirements set forth in Paragraph 15, "Continuing Eligibility."

Should an event of default occur, State shall provide a notice of default to the Grantee and shall give Grantee at least ten (10) calendar days to cure the default from the date the notice is sent via first-class mail to the Grantee. If the Grantee fails to cure the default within the time prescribed by the State, State may do any of the following:

- Declare the funding be immediately repaid, with interest, which shall be equal to State of California general obligation bond interest rate in effect at the time of the default.
- Terminate any obligation to make future payments to Grantee.
- Terminate the Grant Agreement.
- Take any other action that it deems necessary to protect its interests.

In the event State finds it necessary to enforce this provision of this Grant Agreement in the manner provided by law, Grantee agrees to pay all costs incurred by State including, but not limited to, reasonable attorneys' fees, legal expenses, and costs.

15. CONTINUING ELIGIBILITY. Grantee must meet the following ongoing requirement(s) to remain eligible to receive State funds:
- An urban water supplier that receives grant funds governed by this Grant Agreement shall:
 - Maintain compliance with the Urban Water Management Planning Act (CWC§10610 et. seq.) and Sustainable Water Use and Demand Reduction, Part 2.55 of Division 6 (CWC§10608 et. Seq.).
Before July 1, 2016:

- i) The progress toward the 2015 interim gallon per capita per day (GPCD) target. If not meeting the interim target also include a schedule, financing plan, and budget for achieving the GPCD, as required pursuant to CWC § 10608.24.

By July 1, 2016 all urban water suppliers must submit documentation that demonstrates they are meeting the 2015 interim GPCD target. If not meeting the interim target, also include a schedule, financing plan, and budget for achieving the GPCD, as required pursuant to CWC § 10608.24.

- 2) Have their 2010 UWMP deemed consistent by DWR. The 2015 UWMP update will be required to be submitted to DWR in 2016. For more information visit the following website: <http://www.water.ca.gov/urbanwatermanagement>
- b) An agricultural water supplier receiving grant funding must:
- 1) Comply with Sustainable Water Use and Demand Reduction requirements outlined in Part 2.55 (commencing with §10608) of Division 6 of the CWC. Before July 1, 2016:
 - i) Submit a schedule, financing plan, and budget for implementation of the efficient water management practices, required pursuant to CWC § 10608.48, for inclusion in the grant agreement as an Exhibit.
 - 2) Have their AWMP deemed consistent by DWR. The next AWMP update will be required in 2016. For more information visit the following website: <http://www.water.ca.gov/wateruseefficiency/agricultural/agmgmt.cfm>
- c) Grantee's diverting surface water must maintain compliance with diversion reporting requirements as outlined in Part 5.1 of Division 2 of the CWC.
 - d) Projects with potential groundwater impacts must demonstrate compliance with the groundwater compliance options set forth on pages 13 and 14 of the IRWM Program Guidelines, dated June 2014.
 - e) Project Proponents that have been designated as monitoring entities under the California Statewide Groundwater Elevation Monitoring (CASGEM) Program must maintain reporting compliance, as required by CWC§ 10932 and the CASGEM Program.
16. PERMITS, LICENSES, APPROVALS, AND LEGAL OBLIGATIONS. Grantee shall be responsible for obtaining any and all permits, licenses, and approvals required for performing any work under this Grant Agreement, including those necessary to perform design, construction, or operation and maintenance of the Projects. Grantee shall be responsible for observing and complying with any applicable federal, state, and local laws, rules or regulations affecting any such work, specifically those including, but not limited to, environmental, procurement, and safety laws, rules, regulations, and ordinances. Grantee shall provide copies of permits and approvals to State.
17. RELATIONSHIP OF PARTIES. Grantee is solely responsible for design, construction, and operation and maintenance of projects within the work plan. Review or approval of plans, specifications, bid documents, or other construction documents by State is solely for the purpose of proper administration of funds by State and shall not be deemed to relieve or restrict responsibilities of Grantee under this Grant Agreement.
18. LABOR COMPLIANCE. Grantee agrees to comply with all applicable California Labor Code requirements and Standard Condition D.28 in Exhibit D. Grantee must, independently or through a third party, adopt and enforce a Department of Industrial Relations-certified Labor Compliance Program (LCP) meeting the requirements of Labor Code section 1771.5 for projects funded by:
- a) Proposition 84 (Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006; PRC sections 75075 *et seq.*) or
 - b) Any other funding source requiring an LCP.

At the State's request, Grantee must promptly submit written evidence of Grantee's compliance with the LCP requirements.

19. SUBMISSION OF REPORTS. The submittal and approval of all reports is a requirement for the successful completion of this Grant Agreement. Reports shall meet generally accepted professional standards for technical reporting and shall be proofread for content, numerical accuracy, spelling, and grammar prior to submittal to State. All reports shall be submitted to the State's Project Manager, and shall be submitted via DWR's "Grant Review and Tracking System" (GRanTS). If requested, Grantee shall promptly provide any additional information deemed necessary by State for the approval of reports. Reports shall be presented in the formats described in the applicable portion of Exhibit G. The timely submittal of reports is a requirement for initial and continued disbursement of State funds. Submittal and subsequent approval by the State, of a Project Completion Report is a requirement for the release of any funds retained for such projects.
- Progress Reports: Grantee shall submit progress reports on a regular and consistent basis to meet the State's requirement for disbursement of funds. The reporting period shall not exceed one quarter in length. The progress reports shall be sent via e-mail to the State's Project Manager and shall be uploaded into GRanTS at the frequency specified in Exhibit C, Project Schedule. The progress reports shall provide a brief description of the work performed during the reporting period including: Grantee's activities, milestones achieved, any accomplishments, and any problems encountered in the performance of the work under this Agreement.
 - Water Management Status Report: Until June 30, 2016, Grantees shall submit a status report(s) on implementation of SBx7-7 water conservation GPCD status for the urban water suppliers that submitted 1420 compliance Table 2 in the 2014 Drought Application. Status reports shall be uploaded via GRanTS annually no later than June 30, 2016 of every year. By July 1, 2016 all urban water suppliers must submit an UWMP that demonstrates they are meeting the 2015 interim SBx7-7 GPCD target. If not meeting the interim target, the urban water suppliers must also submit, with the UWMP, a schedule, financing plan, and budget for achieving the GPCD, as required pursuant to CWC § 10608.24. These urban water suppliers (that are not meeting their 2015 GPCD target) will subsequently have to submit annual reports that include a schedule, financing plan, and budget for achieving the GPCD, as required pursuant to CWC § 10608.24 every year by June 30, starting June 30, 2017. Failure to progress on implementation may result in continuing grant eligibility actions under paragraph 15.
 - Project Completion Report: Grantee shall prepare and submit to State a separate Project Completion Report for each project included in Exhibit A. Grantee shall submit a Project Completion Report within ninety (90) calendar days of project completion. Project Completion Reports shall include, in part, a description of actual work done, any changes or amendments to each project, and a final schedule showing actual progress versus planned progress, copies of any final documents or reports generated or utilized during a project. The Project Completion Report shall also include, if applicable, certification of final project by a California Registered Professional (Civil Engineer or Geologist, as appropriate), consistent with Standard Condition D.19 in Exhibit D. A DWR "Certification of Project Completion" form will be provided by the State.
 - Grant Completion Report: Upon completion of all projects included in Exhibit A, Grantee shall submit to State a Grant Completion Report. The Grant Completion Report shall be submitted within ninety (90) calendar days of submitting the Project Completion Report for the final project to be completed under the Grant Agreement. The Grant Completion Report shall include reimbursement status, a brief description of each project completed, and how those projects will further the goals of the IRWM Plan and identify any changes to the IRWM Plan, as a result of project implementation. Retention for the last project to be completed as part of this Grant Agreement will not be disbursed until the Grant Completion Report is submitted to and approved by the State.
 - Post-Performance Reports: Grantee shall submit Post-Performance Reports. Post-Performance Reports shall be submitted to State within ninety (90) calendar days after the first operational year of a project has elapsed. This record keeping and reporting process shall be repeated annually for a total of 10 years after the completed projects begin operation.
20. OPERATION AND MAINTENANCE OF PROJECT. For the useful life of construction and implementation projects and in consideration of the funding made by State, Grantee agrees to ensure or cause to be performed the commencement and continued operation of each project, and shall ensure or cause each

project to be operated in an efficient and economical manner; shall ensure all repairs, renewals, and replacements necessary to the efficient operation of the same are provided; and shall ensure or cause the same to be maintained in as good and efficient condition as upon its construction, ordinary and reasonable wear and depreciation excepted. The State shall not be liable for any cost of such maintenance, management, or operation. Grantee or their successors may, with the written approval of State, transfer this responsibility to use, manage, and maintain the property. For purposes of this Grant Agreement, "useful life" means period during which an asset, property, or activity is expected to be usable for the purpose it was acquired or implemented; "operation costs" include direct costs incurred for material and labor needed for operations, utilities, insurance, and similar expenses, and "maintenance costs" include ordinary repairs and replacements of a recurring nature necessary for capital assets and basic structures and the expenditure of funds necessary to replace or reconstruct capital assets or basic structures. Refusal of Grantee to ensure operation and maintenance of the projects in accordance with this provision may, at the option of State, be considered a breach of this Grant Agreement and may be treated as default under Paragraph 14, "Default Provisions."

21. PROJECT MONITORING PLAN REQUIREMENTS. Grantee shall develop and submit to State a Project Monitoring Plan that incorporates: (1) the Project Performance Monitoring Table requirements outlined in the Proposition 84 2014 IRWM Drought Grant Proposal Solicitation Package (in Exhibit A), and (2) the guidance provided in Exhibit J, "Project Monitoring Plan Guidance."
- A Project Monitoring Plan shall be submitted to the State prior to disbursement of State funds for construction or monitoring activities. See Exhibit H, "Requirements for Statewide Monitoring and Data Submittal", for web links and information regarding other State monitoring and data reporting requirements.
22. STATEWIDE MONITORING REQUIREMENTS. Grantee shall ensure that all groundwater projects and projects that include groundwater monitoring requirements are consistent with the Groundwater Quality Monitoring Act of 2001 (Part 2.76 (commencing with Section 10780) of Division 6 of California Water Code) and, where applicable, that projects that affect water quality shall include a monitoring component that allows the integration of data into statewide monitoring efforts, including where applicable, the Surface Water Ambient Monitoring Program carried out by the State Water Resources Control Board.
23. NOTIFICATION OF STATE. Grantee shall promptly notify State, in writing, of the following items:
- a) Events or proposed changes that could affect the scope, budget, or work performed under this Grant Agreement. Grantee agrees that no substantial change in the scope of a project will be undertaken until written notice of the proposed change has been provided to State and State has given written approval for such change. Substantial changes generally include changes to the work plan, schedule or term, and budget.
 - b) Any public or media event publicizing the accomplishments and/or results of this Grant Agreement and provide the opportunity for attendance and participation by State's representatives. Grantee shall make such notification at least 14 calendar days prior to the event.
 - c) Final inspection of the completed work on a project by a California Registered Professional (Civil Engineer or Geologist, as appropriate), in accordance with Standard Condition D.19 in Exhibit D. Grantee shall notify the State's Project Manager of the inspection date at least 14 calendar days prior to the inspection in order to provide State the opportunity to participate in the inspection.
24. NOTICES. Any notice, demand, request, consent, or approval that either party desires or is required to give to the other party under this Grant Agreement shall be in writing. Notices may be transmitted by any of the following means:
- a) By delivery in person.
 - b) By certified U.S. mail, return receipt requested, postage prepaid.
 - c) By "overnight" delivery service; provided that next-business-day delivery is requested by the sender.
 - d) By electronic means.

Notices delivered in person will be deemed effective immediately on receipt (or refusal of delivery or receipt). Notices sent by certified mail will be deemed effective given ten (10) calendar days after the date deposited with the U. S. Postal Service. Notices sent by overnight delivery service will be deemed effective one business day after the date deposited with the delivery service. Notices sent electronically will be effective on the date of transmission, which is documented in writing. Notices shall be sent to the addresses set forth in Paragraph 26. Either party may, by written notice to the other, designate a different address that shall be substituted for the one below.

25. PERFORMANCE EVALUATION. Upon completion of this Grant Agreement, Grantee's performance will be evaluated by the State and a copy of the evaluation will be placed in the State file and a copy sent to the Grantee.
26. PROJECT REPRESENTATIVES. The Project Representatives during the term of this Grant Agreement are as follows:

Department of Water Resources
Paula Landis
Chief, Division of IRWM
P.O. Box 942836
Sacramento CA 94236-0001
Phone: (916) 651-9220
e-mail: plandis@water.ca.gov

Los Angeles County Flood Control District
Gail Farber
Chief Engineer
900 South Fremont Avenue
Alhambra, California 91803
Phone: (626) 458-4002
e-mail: gfarber@dpw.lacounty.gov

Direct all inquiries to the Project Manager:

Department of Water Resources
Simarjit Dhanota
Division of Integrated Regional Water Management
P.O. Box 942836
Sacramento, California 94236-0001
Phone: (916) 651-9250
e-mail: Simarjit.Dhanota@water.ca.gov

Los Angeles County Flood Control District
Erica Sasman
IRWM Grant Manager
900 South Fremont Avenue
Alhambra, California 91803
Phone: (626) 458-7116
e-mail: esasman@dpw.lacounty.gov

Either party may change its Project Representative or Project Manager upon written notice to the other party.

27. STANDARD PROVISIONS. The following Exhibits are attached and made a part of this Grant Agreement by this reference:

Exhibit A – Work Plan
Exhibit B – Budget
Exhibit C – Schedule
Exhibit D – Standard Conditions
Exhibit E – Authorizing Resolution
Exhibit F – Local Project Sponsors
Exhibit G – Report Formats and Requirements
Exhibit H – Requirements for Statewide Monitoring and Data Submittal
Exhibit I – State Audit Document Requirements and Funding Match Guidelines for Grantees
Exhibit J – Project Monitoring Plan Components

IN WITNESS WHEREOF, the parties hereto have executed this Grant Agreement.

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

bar 
Paula J. Landis, P.E., Chief
Division of Integrated Regional Water Management

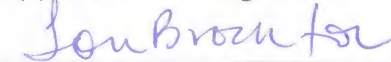
Date 5/14/15

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT


Gail Farber, Chief Engineer

Date 4-30-15

Approved as to Legal Form and Sufficiency


Spencer Kenner, Assistant Chief Counsel
Office of Chief Counsel

Date 5-7-15

APPROVED AS TO FORM:

MARK J. SALADINO
County Counsel

By 
Deputy

Date 4/20/2015

**EXHIBIT A
WORK PLAN**

PROJECT 1: GRANT AGREEMENT ADMINISTRATION

LOCAL PROJECT SPONSOR: Los Angeles County Flood Control District

PROJECT DESCRIPTION: The Regional Water Management Group authorized Los Angeles County Flood Control District (LACFCD) to act as the applicant and the grant manager for the Proposition 84, IRWM 2014 Drought Grant. LACFCD will administer these funds and respond to DWR's reporting and compliance requirements associated with the grant administration. This office will act in a coordination role: disseminating grant compliance information to the project managers responsible for implementing the projects contained in this agreement, obtaining and retaining evidence of compliance (e.g., CEQA/NEPA documents, reports, monitoring compliance documents, labor requirements, etc.), obtaining data for progress reports from individual project managers, assembling and submitting progress reports to the State, and coordinating all invoicing and payment of invoices.

CATEGORY A. DIRECT PROJECT ADMINISTRATION

Task A.1 Administration

LACFCD will respond to DWR's reporting and compliance requirements associated with the grant administration and will coordinate with the project managers responsible for implementing the projects contained in this agreement.

Deliverables:

- Executed Grant Agreement

Task A.2 Invoicing

LACFCD will be responsible for compiling invoices for submittal to DWR. This includes collecting invoice documentation from each of the Local Project Sponsors (LPS) and compiling the information into a DWR Invoice Packet. Invoice documentation includes cover letter, DWR invoice form, expenditure summary table, and expenditure backup documentation that details the date of services performed and calculations of labor hours and rates applied. LACFCD will be responsible for disbursement of grant reimbursements to individual project implementing agencies, as applicable, and for keeping records of all invoicing activities.

Deliverables:

- Invoices

Task A.3 Reporting

LACFCD will be responsible for compiling quarterly Progress Reports for submittal to DWR. LACFCD will coordinate with LPS staff to retain consultants, if needed, to prepare and submit Progress Reports and Final Project Completion Reports for each project. Reports will meet generally accepted professional standards for technical reporting and the requirements terms of the contract with DWR outlined in Exhibit G of this agreement.

Deliverables:

- Progress Reports, submitted quarterly
- Draft and Final Project Completion Reports for each Project
- Draft and Final Grant Completion Report

PROJECT 2: MISSION WELLS IMPROVEMENT PROJECT

LOCAL PROJECT SPONSOR: Los Angeles Department of Water and Power

PROJECT DESCRIPTION: This project will install three production wells, up to five monitoring wells, pump station upgrades, and new distribution infrastructure to supply groundwater to Los Angeles Department of Water and Power's (LADWP) existing potable distribution network. Once completed, the project will provide an additional 3,077 AFY of potable groundwater supply for the first 15 years, and 2,477 AFY for the subsequent 35 years.

CATEGORY A. DIRECT PROJECT ADMINISTRATION

Task A.1 Administration

Management of the grant agreement including compliance with grant requirements, preparation and submittal of supporting grant documents, coordination with project partners and LACFCD, management of consultants and contractors, and preparation and submittal of invoices to DWR via LACFCD.

Also included with this task is the preparation of the Mission Wells Improvement Project portions of the Proposition 84 2014 Drought Solicitation application.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices

Task A.2 Labor Compliance Program

Take all measures necessary to ensure compliance with applicable California Labor Code requirements, including, preparation and implementation of a labor compliance program or including any payments to the Department of Industrial Relations under Labor Code Section 1771.3.

Deliverables:

- Proof of Labor Compliance, upon request

Task A.3 Reporting

Prepare quarterly Progress Reports detailing work completed during reporting period as outlined in Exhibit G of this agreement. Submit reports to LACFCD for review and inclusion in the progress reports to be submitted to DWR.

Prepare draft Final Project Completion Report and submit to DWR via LACFCD for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing LACFCD and DWR comments. The reports shall be prepared and presented in accordance with the provisions of Exhibit G.

Deliverables:

- Project Progress Reports, submitted quarterly
- Draft and Final Project Completion Report

CATEGORY B. LAND PURCHASE/EASEMENT

No land acquisition or easement is required for this project.

CATEGORY C. PLANNING/DESIGN/ENGINEERING/ ENVIRONMENTAL DOCUMENTATION

Task C.1 Assessment and Evaluation

This task includes the completion of the following technical study:

- Upper Los Angeles River Area Sylmar Basin Safe Yield

Deliverables:

- Upper Los Angeles River Area Sylmar Basin Safe Yield

Task C.2 Final Design

Design, plans, and specifications will be prepared for the monitoring wells, production wells, collector line, and pump station upgrades.

Deliverables:

- Plans and Specifications for Monitoring Wells
- Plans and Specifications for Production Wells
- Plans and Specifications for Collector Line
- Plans and Specifications for Pump Station Upgrades

Task C.3 Environmental Documentation

All necessary CEQA compliance documents will be prepared. A Notice of Exemption is assumed, and will be prepared and filed for this project.

Deliverables:

- Notice of Exemption, or applicable CEQA documentation

Task C.4 Permitting

The following permits/ plan approvals will be secured for this project:

| Permit | Permitting Agency |
|--|--|
| Well Drilling Permits for 3 Production Wells for 1 to 5 Monitoring Wells | Los Angeles County Public Health |
| Noise Variance | Los Angeles Police Department (LAPD) |
| Traffic Control Plan | Los Angeles Department of Transportation (LADOT) |
| National Pollutant Discharge Elimination System (NPDES) Permit | Regional Water Quality Control Board (RWQCB) |
| Industrial Waste Discharge Permit | RWQCB |

Deliverables:

- Los Angeles County Public Health Well Drilling Permits
- LAPD Noise Variance
- LADOT Traffic Control Plan
- RWQCB NPDES Permit
- RWQCB Industrial Waste Discharge Permit

Task C.5 Project Monitoring Plan

Develop and submit a Project Monitoring Plan as outlined in Exhibit J. Along with the Project Performance Measures Table provided by DWR project manager, the Project Monitoring Plan will include baseline conditions, a brief discussion of monitoring systems to be used, methodology of monitoring, frequency of monitoring, and location of monitoring points.

Deliverables:

- Project Monitoring Plan

CATEGORY D. CONSTRUCTION/IMPLEMENTATION

Task D.1 Construction Contracting

This task includes all activities necessary to issue a change order and an amendment to the existing contractor contracts for the monitoring wells and production wells, respectively. Installation of the collector line and pump station upgrade will be performed by in-house resources; therefore no construction contracting work will be performed for the collector line and pump station.

Deliverables:

- Change Order to Monitoring Well Contract
- Contract Amendment for Production Well Contract
- Notice to Proceed

Task D.2 Construction

This task includes the procurement and mobilization of equipment and materials; site preparation; construction of monitoring wells, production wells, collection line, and pump station upgrades, performance testing of all components to ensure proper function and compliance with final design; site restoration; and demobilization.

Monitoring Well construction includes the drilling, construction, and development of up to five monitoring wells, approximately 1000 feet deep.

Production Well construction includes the drilling, construction, and development of three production wells, approximately 1000 feet deep, with stainless steel well casing. Well pumps, motor, cable, steel discharge piping, and pipe accessories will be installed for each well.

Collector Line construction includes the installation of approximately 600 feet of 12-inch ductile iron pipe required to connect to the existing distribution system.

Pump Station Upgrade construction includes the installation of two new pumps and pump appurtenances required to meet the increased flow from the new production wells.

The performance testing of all the project components will include monitoring and production well development testing, well pump testing, pump station testing and startup, and sampling pump testing and verification. Monitoring well performance testing will also include bacterial testing and constant rate and step drawdown testing for specific yield evaluation. Production well performance testing will also include a video log.

Deliverables:

- Photo Documentation of Construction
- Performance Testing Results, including lab results
- Well Completion Reports/ Well Drilling Logs

Task D.3 Construction Administration

Construction administration activities include collection, review, and filing of all documentation; construction meetings; review of contractor submittals, change orders, and construction invoices; and construction inspection and monitoring by a Certified Professional. As-built drawings will be prepared to reflect construction conditions.

Deliverables:

- Inspection Reports
- Notice of Completion for Project
- Engineer's Certification of Completion for Project
- As-Built Drawings

PROJECT 3: MANHATTAN WELLS IMPROVEMENT PROJECT

LOCAL PROJECT SPONSOR: Los Angeles Department of Water and Power

PROJECT DESCRIPTION: This project will replace two to six existing production wells, install two new production wells, and construct new distribution infrastructure to supply groundwater to Los Angeles Department of Water and Power's (LADWP) existing potable distribution network. Once completed, the project will provide an average additional 4,200 AFY of potable groundwater supply. The number of existing wells that will be replaced depends on the collective well production. If the 4,200 AFY capacity is not achieved with the two new production wells and two replacement wells, additional wells will be replaced until the full capacity is achieved.

CATEGORY A. DIRECT PROJECT ADMINISTRATION

Task A.1 Administration

Management of the grant agreement including compliance with grant requirements, preparation and submittal of supporting grant documents, coordination with project partners and LACFCD, management of consultants and contractors, and preparation and submittal of invoices to DWR via LACFCD.

Also included with this task is the preparation of the Manhattan Wells Improvement Project portions of the Proposition 84 2014 Drought Solicitation application.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices

Task A.2 Labor Compliance Program

Take all measures necessary to ensure compliance with applicable California Labor Code requirements, including, preparation and implementation of a labor compliance program or including any payments to the Department of Industrial Relations under Labor Code Section 1771.3.

Deliverables:

- Proof of Labor Compliance, upon request

Task A.3 Reporting

Prepare quarterly progress reports detailing work completed during reporting period as outlined in Exhibit G of this agreement. Submit reports to LACFCD for review and inclusion in the progress reports to be submitted to DWR.

Prepare draft Final Project Completion Report and submit to DWR via LACFCD for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing LACFCD and DWR comments. The reports shall be prepared and presented in accordance with the provisions of Exhibit G.

Deliverables:

- Project Progress Reports, submitted quarterly
- Draft and Final Project Completion Report

CATEGORY B. LAND PURCHASE/EASEMENT

No land acquisition or easement is required for this project.

CATEGORY C. PLANNING/DESIGN/ENGINEERING/ENVIRONMENTAL DOCUMENTATION

Task C.1 Final Design

Design, plans, and specifications will be prepared for the production wells, collector line and well connections, and SCADA.

Deliverables:

- Plans and Specifications for Production Wells
- Plans and Specifications for Collector Line and Well Connections
- Plans and Specifications for SCADA

Task C.2 Environmental Documentation

All necessary CEQA compliance documents will be prepared. A Notice of Exemption is assumed, and will be prepared and filed for this project.

Deliverables:

- Notice of Exemption, or applicable CEQA documentation

Task C.3 Permitting

The following permits/ plan approvals will be secured for this project:

| Permit | Permitting Agency |
|--|--|
| Well Drilling Permits | Los Angeles County Department of Public Health |
| Excavation Permit | Los Angeles Bureau of Engineering (LABOE) |
| Noise Variance | Los Angeles Police Department (LAPD) |
| National Pollutant Discharge Elimination System (NPDES) Permit | Regional Water Quality Control Board (RWQCB) |
| Industrial Waste Discharge (IWD) Permit | Los Angeles Bureau of Sanitation (LASAN) |

Deliverables:

- Los Angeles County Public Health Well Drilling Permits
- LABOE Excavation Permit
- LAPD Noise Variance
- RWQCB NPDES Permit
- LASAN Industrial Waste Discharge Permit

Task C.4 Project Monitoring Plan

Develop and submit a Project Monitoring Plan as outlined in Exhibit J. Along with the Project Performance Measures Table provided by DWR project manager, the Project Monitoring Plan will include baseline conditions, a brief discussion of monitoring systems to be used, methodology of monitoring, frequency of monitoring, and location of monitoring points.

Deliverables:

- Project Monitoring Plan

CATEGORY D. CONSTRUCTION/IMPLEMENTATION

Task D.1 Construction Contracting

This task includes all activities necessary to secure a contractor and award the contract including: develop bid documents; prepare bid advertisement and contract documents for construction contract bidding; conduct pre-bid meeting, bid opening, and bid evaluation; select the contractor; award the contract; and issue Notice to Proceed.

Deliverables:

- Bid Advertisement
- Contract Award
- Notice to Proceed

Task D.2 Construction

This task includes the procurement and mobilization of equipment and materials; site preparation; replacement of two to six existing production wells; construction of two new production wells, a collector line, discharge line, and well flushing system; performance testing of all components to ensure proper function and compliance with final design; site restoration; and demobilization.

Replacement Wells and New Production Wells

Two new production wells will be constructed and two to six existing production wells will be replaced depending on the collective well production capacity. The project will produce approximately 4,200 AFY of potable groundwater, the number of well replaced will depend on how many wells are required to meet the production capacity.

Construction of the wells includes the drilling, development, and readying for equipping of the wells. Each wellhead will include a dual valve assembly to divert flow to the storm drain system during flushing operations, two 12-inch gate valves for isolation and diversion during maintenance and flushing activities, sample tap for water quality testing, camera inspection port, sounding port, and gravel makeup tube.

Pump installation is not within the scope of this agreement.

Collector Line

A collector line is needed to connect the well field to the forebay, which collects the combined discharges of the individual wells into a 1.5 AF pool where it is chlorinated and feeds the pump station for ammoniation and distribution. The collector line construction includes the installation of approximately 920 feet of 30-inch ductile iron pipe. The collector line will include eight 12-inch lateral connections (one for each new and existing well) and one 30-inch butterfly valve and one flow meter upstream of the forebay.

Discharge Line

A discharge line is needed to convey flows from Manhattan Pumping Station (MHPS) into the distribution system. Discharge line construction includes the replacement of the existing 20-inch discharge pipe with approximately 330 feet of 30-inch ductile iron pipe.

Well Flushing System

Flushing the wells at start-up is necessary to allow turbidity to drop below the MCL for drinking water standards prior to conveying groundwater to the forebay. The flushing system will require approximately 1,000 feet of new 16-inch ductile iron pipe. The flush line will include eight laterals to connect all new and existing wells to the flushing system. All lateral connections to the new flush line will be 12-inches in diameter.

Performance Testing

The performance testing of all the project components will include production well development testing, well pump testing, sampling pump testing and verification, and instrumentation testing and calibration.

Assessment of pump testing data will be evaluated using video log, bacterial testing, and constant rate and step drawdown testing to evaluate the production well performance and specific capacity.

Deliverables:

- Photo Documentation of Construction
- Performance Testing Results, including lab results
- Well Completion Reports/ Well Drilling Logs

Task D.3 Construction Administration

Construction administration activities include collection, review, and filing of all documentation; construction meetings; review of contactor submittals, change orders, and construction invoices; and construction inspection and monitoring by a Certified Professional. As-built drawings will be prepared to reflect construction conditions.

Deliverables:

- Inspection Reports
- Notice of Completion for Project
- Engineer's Certification of Completion
- As-Built Drawings

PROJECT 4: TERMINAL ISLAND WATER RECLAMATION PLANT (TIWRP) ADVANCED WATER PURIFICATION FACILITY AND DISTRIBUTION SYSTEM EXPANSION PROJECT

LOCAL PROJECT SPONSOR: Los Angeles Department of Water and Power

PROJECT DESCRIPTION: This project will expand the TIWRP recycled water treatment capacity and distribution capacity in the Los Angeles Harbor Area. Once completed, the project will provide 7,280 AFY of new local supply to customers.

CATEGORY A. DIRECT PROJECT ADMINISTRATION

Task A.1 Administration

Management of the grant agreement including compliance with grant requirements, preparation and submittal of supporting grant documents, coordination with project partners and LACFCD, management of consultants and contractors, and preparation and submittal of invoices to DWR via LACFCD.

Also included with this task is the preparation of the TIWRP Advanced Water Purification Facility and Distribution System Expansion Project portions of the Proposition 84 2014 Drought Solicitation application.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices

Task A.2 Labor Compliance Program

Take all measures necessary to ensure compliance with applicable California Labor Code requirements, including, preparation and implementation of a labor compliance program or including any payments to the Department of Industrial Relations under Labor Code Section 1771.3.

Deliverables:

- Proof of Labor Compliance, upon request

Task A.3 Reporting

Prepare quarterly progress reports detailing work completed during reporting period as outlined in Exhibit G of this agreement. Submit reports to LACFCD for review and inclusion in the progress reports to be submitted to DWR.

Prepare draft Final Project Completion Report and submit to DWR via LACFCD for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing LACFCD and DWR comments. The reports shall be prepared and presented in accordance with the provisions of Exhibit G.

Deliverables:

- Project Progress Reports, submitted quarterly
- Draft and Final Project Completion Report

CATEGORY B. LAND PURCHASE/EASEMENT

No land acquisition or easement is required for this project.

CATEGORY C. PLANNING/DESIGN/ENGINEERING/ ENVIRONMENTAL DOCUMENTATION

Task C.1 Assessment and Evaluation

This task includes the completion of the following studies and documents:

- TIWRP Expansion Predesign
- Distribution System Expansion Predesign

- AOP Bench Scale Test Report
- Pilot Test Report
- AOP Training and Monitoring Procedures
- TIWRP AWPf Prequalification Packages
- Selection Reports

Deliverables:

- TIWRP Expansion Predesign
- Distribution System Expansion Predesign
- AOP Bench Scale Test Report
- Pilot Test Report
- AOP Training and Monitoring Procedures
- TIWRP AWPf Prequalification Packages
- Selection Reports

Task C.2 Final Design

Design, plans, and specifications will be prepared for the TIWRP expansion and distribution system expansion.

Deliverables:

- Plans and Specifications for TIWRP Expansion
- Plans and Specifications for Distribution System Expansion

Task C.3 Environmental Documentation

All necessary CEQA compliance documents will be prepared. A Notice of Exemption has been prepared and filed for the TIWRP expansion component. The distribution system expansion component will require an Environmental Impact Report (EIR) addendum to the existing EIR’s Harbor Refineries Recycled Water Pipeline Project (SCH#2008121093) and Wilmington Drain Multi-Use and Machado Lake Ecosystem Rehabilitation Project (SCH#2009081093).

Preparation of an EIR includes:

- Preparation of a Notice of Intent (NOI)
- Filing of NOI with State Clearinghouse (SCH)
- Preparation of an EIR addendum
- Preparation of Findings and any required Statement of Overriding Concerns
- Preparation of NOD

Deliverables:

- Notice of Exemption for TIWRP Expansion
- NOI and Proof of Filing NOI with SCH, EIR with addendum for Distribution System Expansion
- Notice of Determination for Distribution System Expansion

Task C.4 Permitting

The following permits/ plan approvals will be secured for this project:

| Permit | Permitting Agency |
|---|---|
| Regulatory Approval of Engineering Report | Regional Water Quality Control Board (RWQCB) |
| Regulatory Permit to Operate | Regional Water Quality Control Board (RWQCB) |
| Regulatory Approval of Engineering Report | California Department of Public Health (CDPH) |
| Building Permit | Los Angeles Department of Building and Safety (LADBS) |
| Coastal Development Permit | Port of Los Angeles |
| NPDES Permit | US Environmental Protection Agency (US EPA) |
| Underground Classification Permit for Jacking | California Occupational Safety and Health Administration (Cal OSHA) |
| Bureau of Engineering Excavation Permit | Los Angeles Bureau of Engineering (LABOE) |
| Caltrans Encroachment Permit | California Department of Transportation (Caltrans) |

Deliverables:

- RWQCB Regulatory Approval of Engineering Report
- RWQCB Regulatory Permit to Operate, after construction of project
- CDPH Regulatory Approval of Engineering Report
- LADBS Building Permit
- Port of Los Angeles Coastal Development Permit
- US EPA NPDES Permit
- Cal OSHA Underground Classification Permit for Jacking
- LABOE Excavation Permit
- Caltrans Encroachment Permit

Task C.5 Project Monitoring Plan

Develop and submit a Project Monitoring Plan as outlined in Exhibit J. Along with the Project Performance Measures Table provided by DWR project manager, the Project Monitoring Plan will include baseline conditions, a brief discussion of monitoring systems to be used, methodology of monitoring, frequency of monitoring, and location of monitoring points.

Deliverables:

- Project Monitoring Plan

CATEGORY D. CONSTRUCTION/IMPLEMENTATION

Task D.1 Construction Contracting

This task includes all activities necessary to secure a Design-Build contractor for the TIWRP expansion, a contractor for the distribution system expansion, and award the contracts including: prequalification, development of bid documents, preparation of bid advertisement and contract documents for contract bidding, meetings, bid opening, bid evaluation, selection of contractors, award of contracts, and issuance of Notices to Proceed. Micro Filtration, Reverse Osmosis and Variable Frequency Drive Pump Systems will be procured; therefore procurement documents will be prepared.

Deliverables:

- Bid Advertisements
- Contract Awards
- Notice to Proceed for TIWRP Expansion
- Notice to Proceed for Distribution System Expansion
- MF, RO, and VFD Procurement Documents

Task D.2 Construction

This task includes the procurement and mobilization of equipment and materials, site preparation, construction of the plant expansion and distribution system expansion, performance testing of all components to ensure proper function and compliance with final design, site restoration, and demobilization.

Plant Expansion

Plant expansion work includes soil stabilization; construction of an expanded 2 million gallon equalization tank, equipment pads, and canopies; construction of a additional microfiltration and reverse osmosis systems; construction of the advanced oxidation process system; construction of the additional pump facilities with variable frequency drive pump heads; integration of the expansion with existing system; and migration to a Honeywell Distributed Control System.

Distribution System Expansion

The distribution system expansion involves the construction of a approximately 10,200 feet of 12 and 24 inch pipeline; a portion of which will involve pipe jacking. The distribution pipeline will be installed in four segments at four different locations to connect to existing infrastructure:

- Approximately 736 feet of 12-in ductile iron pipe will be installed along Figueroa Place, south of Pacific Coast Highway.

- Approximately 3,303 feet of 24-in ductile iron pipe will be installed along Figueroa Street, between Anaheim Street and Harry Bridges Boulevard.
- Approximately 1,615 feet of 24-in ductile iron pipe will be installed along Quay Street, between Anaheim Street and E Street.
- Approximately 3,638 FT of 24-in ductile iron pipe will be installed along Anaheim Street, between Quay Street and Mahar Avenue.

Performance Testing

The plant expansion will be tested for 30 days before the produced water can be delivered to customers; testing will ensure equipment is performing per specifications and producing the proper quality water.

Deliverables:

- Photo Documentation of Construction
- Performance Testing Results
- Project Performance Parameters Report
- Certificate of Beneficial Occupancy, by the LA City Department of Building and Safety

Task D.3 Construction Administration

Construction administration activities include collection, review, and filing of all documentation; construction meetings; review of contractor submittals, change orders, and construction invoices; and construction inspection and monitoring by a Certified Professional. As-built drawings will be prepared to reflect construction conditions.

Deliverables:

- Inspection Reports
- Notice of Completion for Project
- Engineer's Certification of Completion for Project
- As-Built Drawings

Task D.4 Environmental Compliance and Mitigation

The environmental compliance measures will be implemented according to the Mitigation Monitoring and Reporting Program as outlined in the Environmental Information Report.

Deliverables:

- Mitigation Monitoring Plan Compliance Report

PROJECT 5: RECYCLED WATER TURNOUTS PROJECT

LOCAL PROJECT SPONSOR: Water Replenishment District of Southern California

PROJECT DESCRIPTION: The project will construct two turnout structures on an existing recycled water pipeline, extending from the San Jose Creek Water Reclamation Plant, to replenish groundwater supplies in the Montebello Forebay Spreading Grounds. Once completed, the project will deliver approximately 11,000 AFY of local recycled water to recharge the groundwater basin.

CATEGORY A. DIRECT PROJECT ADMINISTRATION

Task A.1 Administration

Management of the grant agreement including compliance with grant requirements, preparation and submittal of supporting grant documents, coordination with project partners and LACFCD, management of consultants and contractors, and preparation and submittal of invoices to DWR via LACFCD.

Also included with this task is the preparation of the Recycled Water Turnouts Project portions of the Proposition 84 2014 Drought Solicitation application.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices

Task A.2 Labor Compliance Program

Take all measures necessary to ensure compliance with applicable California Labor Code requirements, including, preparation and implementation of a labor compliance program or including any payments to the Department of Industrial Relations under Labor Code Section 1771.3.

Deliverables:

- Proof of Labor Compliance, upon request

Task A.3 Reporting

Prepare quarterly Progress Reports detailing work completed during reporting period as outlined in Exhibit G of this agreement. Submit reports to LACFCD for review and inclusion in the progress reports to be submitted to DWR.

Prepare draft Final Project Completion Report and submit to DWR via LACFCD for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing LACFCD and DWR comments. The reports shall be prepared and presented in accordance with the provisions of Exhibit G.

Deliverables:

- Project Progress Reports, submitted quarterly
- Draft and Final Project Completion Report

CATEGORY B. LAND PURCHASE/EASEMENT

Task B.1 Easements

Construction easements necessary to implement the project will be secured.

Deliverables:

- Construction Easements

CATEGORY C. PLANNING/DESIGN/ENGINEERING/ ENVIRONMENTAL DOCUMENTATION

Task C.1 Final Design

Design plans and specifications will be prepared for the project.

Deliverables:

- Plans and Specifications for Project

Task C.2 Environmental Documentation

All necessary CEQA compliance documents will be prepared, including an Initial Study and Mitigated Negative Declaration.

Deliverables:

- CEQA Initial Study
- Mitigated Negative Declaration

Task C.3 Permitting

The following permits will be secured for this project:

| Permit | Permitting Agency |
|----------------|--|
| 401 Permit | Regional Water Quality Control Board (RWQCB) |
| 1602 Permit | Department of Fish and Wildlife (DFW) |
| 404/408 Permit | US Army Corps of Engineers (USACE) |
| Flood Permit | Los Angeles County Department of Public Works (LACDPW) |

Deliverables:

- RWQCB 401 Permit
- DFW 1602 Permit
- USACE 404/408 Permit
- LACDPW Flood Permit

Task C.4 Project Monitoring Plan

Develop and submit a Project Monitoring Plan as outlined in Exhibit J. Along with the Project Performance Measures Table provided by DWR project manager, the Project Monitoring Plan will include baseline conditions, a brief discussion of monitoring systems to be used, methodology of monitoring, frequency of monitoring, and location of monitoring points.

Deliverables:

- Project Monitoring Plan

CATEGORY D. CONSTRUCTION/IMPLEMENTATION

Task D.1 Construction Contracting

This task includes all activities necessary to secure a contractor and award the contract including: develop bid documents; prepare bid advertisement and contract documents for construction contract bidding; conduct pre-bid meeting, bid opening, and bid evaluation; select the contractor; award the contract; and issue Notice to Proceed.

Deliverables:

- Bid Advertisement
- Contract Award
- Notice to Proceed

Task D.2 Construction

This task includes the procurement and mobilization of equipment and materials, field office setup on project site, site preparation, construction of the turnouts, performance testing of all components to ensure proper function and compliance with final design, site restoration, and demobilization.

Turnout Construction

Construction of the project includes two reinforced concrete turn-out structures with pipelines, valves, electrical controls, and instrumentation to be constructed on the existing recycled water pipeline that extends from the San Jose Creek Water Reclamation Plant.

Construction activities will include: ground excavation, soil compaction, ground paving, fabrication of pipe spools, and installation of electrical wiring and instrumentation. Excavate ground, compact soil, pave ground, pre-cast lids; fabricate pipe spools; install electrical wiring and instrumentation.

Deliverables:

- Photo Documentation of Construction
- Performance Testing Results

Task D.3 Construction Administration

Construction administration activities include collection, review, and filing of all documentation; construction meetings; review of contractor submittals, change orders, and construction invoices; and construction inspection and monitoring by a Certified Professional. As-built drawings will be prepared to reflect construction conditions.

Deliverables:

- Inspection Reports
- Notice of Completion for Project
- Engineer's Certification of Completion for Project
- As-Built Drawings

Task D.4 Environmental Compliance and Mitigation

The mitigation measures will be implemented according the Mitigation Monitoring and Reporting Program as outlined in the Mitigated Negative Declaration.

Deliverables:

- Mitigation Monitoring Plan Compliance Report

PROJECT 6: GOLDSWORTHY DESALTER EXPANSION PROJECT

LOCAL PROJECT SPONSOR: City of Torrance

PROJECT DESCRIPTION: This project will expand the capacity of the existing desalting facility located in the City of Torrance and construct two new groundwater wells to extract water from the local saline plume. Once completed, the project will provide approximately 3,514 AFY of additional remediated groundwater to supplement potable water supplies.

CATEGORY A. DIRECT PROJECT ADMINISTRATION

Task A.1 Administration

Management of the grant agreement including compliance with grant requirements, preparation and submittal of supporting grant documents, coordination with project partners and LACFCD, management of consultants and contractors, and preparation and submittal of invoices to DWR via LACFCD.

Also included with this task is the preparation of the Goldsworthy Desalter Expansion Project portions of the Proposition 84 2014 Drought Solicitation application.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices

Task A.2 Labor Compliance Program

Take all measures necessary to ensure compliance with applicable California Labor Code requirements, including, preparation and implementation of a labor compliance program or including any payments to the Department of Industrial Relations under Labor Code Section 1771.3.

Deliverables:

- Proof of Labor Compliance, upon request

Task A.3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit G of this agreement. Submit reports to LACFCD for review and inclusion in the progress reports to be submitted to DWR.

Prepare draft Final Project Completion Report and submit to DWR via LACFCD for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing LACFCD and DWR comments. The reports shall be prepared and presented in accordance with the provisions of Exhibit G.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

CATEGORY B. LAND PURCHASE/EASEMENT

No land acquisition or easement is required for this project.

CATEGORY C. PLANNING/DESIGN/ENGINEERING/ ENVIRONMENTAL DOCUMENTATION

Task C.1 Assessment and Evaluation

This task includes the completion of a study to evaluate the feasibility of expanding the Goldsworthy Desalter.

Deliverables:

- Feasibility Study

Task C.2 Final Design

Design plans and specifications will be prepared for the project. Comments on the design from City of Torrance Building and Safety Department and State Water Resources Control Board Division of Drinking Water will be addressed and incorporated, as applicable.

Deliverables:

- Plans and Specifications for Project

Task C.3 Environmental Documentation

All necessary CEQA documents will be prepared, including an Initial Study and Mitigated Negative Declaration.

Deliverables:

- CEQA Initial Study
- Mitigated Negative Declaration

Task C.4 Permitting

The following permits will be secured for this project:

| Permit | Permitting Agency |
|--|---|
| National Pollutant Discharge Elimination System (NPDES) Permit Amendment | Regional Water Quality Control Board (RWQCB) |
| Potable Well and Desalter Production Permit Amendment | State Water Resources Control Board (SWRCB), Division of Drinking Water |
| Encroachment Permit | City of Torrance |
| Sewer Discharge Permit Amendment | Los Angeles County Sanitation District (LACSD) |
| Construction Permit | Cal OSHA |
| Well Permit | Los Angeles County Department of Public Health (LACDPH), Drinking Water Program |

Deliverables:

- RWQCB NPDES Permit Amendment
- SWRCB Potable Well and Desalter Production Permit Amendment
- City of Torrance Encroachment Permit
- LACSD Sewer Discharge Permit Amendment
- Cal OSHA Construction Permit
- LACDPH Well Permit

Task C.5 Project Monitoring Plan

Develop and submit a Project Monitoring Plan as outlined in Exhibit J. Along with the Project Performance Measures Table provided by DWR project manager, the Project Monitoring Plan will include baseline conditions, a brief discussion of monitoring systems to be used, methodology of monitoring, frequency of monitoring, and location of monitoring points.

Deliverables:

- Project Monitoring Plan

CATEGORY D. CONSTRUCTION/IMPLEMENTATION

Task D.1 Construction Contracting

This task includes all activities necessary to secure a contractor and award the contract including: develop bid documents; prepare bid advertisement and contract documents for construction contract bidding; conduct pre-bid meeting, bid opening, and bid evaluation; select the contractor; award the contract; and issue Notice to Proceed.

Deliverables:

- Bid Advertisement
- Contract Award
- Notice to Proceed

Task D.2 Construction

This task includes the procurement and mobilization of equipment and materials; site preparation; construction of the desalter expansion, wellhead facilities and pump stations, pipelines, and new brackish groundwater wells; start up and performance testing of all components to ensure proper function and compliance with final design, site restoration, and demobilization.

Construction of the *Desalter Expansion* includes the following components (funded through Prop 50):

- Well Flush Water Pump Station
- Pipeline tie-in at Goldsworthy Desalter
- R.O. Train No. 1 energy-efficient booster pumps
- R.O. Train No. 2 construction
- Chemical feed and storage facility improvements
- Electrical and Control Room Improvements

Construction of the *Wellhead Facilities and Pump Stations* includes the following components (funded through Prop 50):

- 2 Well pumps (approximately 2000 gpm per well with final capacity determined by pilot wells)
- Delthorne Park Well pump building (approximately 21'x26')
- Well discharge piping and valving
- Well electrical and SCADA systems
- Well sites power services
- Restoration of surface features

Construction of the *Pipelines* includes the following components (funded through Prop 84):

- Delthorne well raw water pipeline: 12 inch diameter, approximately 1600 linear feet
- City Yard well raw water pipeline: 12 inch diameter, approximately 300 linear feet
- Well discharge pipeline: 10 inch diameter, approximately 1600 linear feet

Construction of the *New Brackish Groundwater Wells* includes the following components (funded through Prop 84):

- Drill pilot wells (approximately 500 to 800 feet)
- Raw Water Quality testing for various constituents
- Final well designs based on data obtained from pilot wells
- Develop groundwater wells, well casings and gravel pack

Deliverables:

- Photo Documentation of Construction
- Performance Testing Results

Task D.3 Construction Administration

Construction administration activities include collection, review, and filing of all documentation; construction meetings; review of contactor submittals, change orders, and construction invoices; and construction inspection and monitoring by a Certified Professional. As-built drawings will be prepared to reflect construction conditions.

Deliverables:

- Inspection Reports
- Notice of Completion for Project
- Engineer's Certification of Completion for Project

- As-Built Drawings

Task D.4 Environmental Compliance and Mitigation

The mitigation measures will be implemented according the Mitigation Monitoring and Reporting Program as outlined in the Mitigated Negative Declaration.

Deliverables:

- Mitigation Monitoring Plan Compliance Report

PROJECT 7: BE A WATER SAVER PROJECT

LOCAL PROJECT SPONSOR: City of Burbank Water and Power

PROJECT DESCRIPTION: This project will expand water conservation financial incentives in the City of Burbank to provide an additional 393 AFY in water savings. The water conservation program will include high efficiency toilet rebates, Green Home House Call Residential Water Audits and Direct Replacement Program, 'Go Native!' Turf Replacement, rain water harvesting rain barrel rebates, educational outreach and technical training workshops, and Home Water Reports Program and Customer Web Portal.

DIRECT PROJECT ADMINISTRATION

Task A.1 Administration

Management of the grant agreement including compliance with grant requirements, preparation and submittal of supporting grant documents, coordination with project partners and LACFCD, management of consultants and contractors, and preparation and submittal of invoices to DWR via LACFCD.

Also included with this task is the preparation of the Be a Water Saver Project portions of the Proposition 84 2014 Draft Solicitation application.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices

Task A.2 Labor Compliance Program

Labor Compliance is not applicable to this project.

Task A.3 Reporting

Prepare quarterly Progress Reports detailing work completed during reporting period as outlined in Exhibit G of this agreement. Submit reports to LACFCD for review and inclusion in the progress reports to be submitted to DWR.

Prepare draft Final Project Completion Report and submit to DWR via LACFCD for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing LACFCD and DWR comments. The reports shall be prepared and presented in accordance with the provisions of Exhibit G.

Deliverables:

- Project Progress Reports, submitted quarterly
- Draft and Final Project Completion Report

CATEGORY B. LAND PURCHASE/EASEMENT

Land acquisition and easement activities are not applicable to this project.

CATEGORY C. PLANNING/DESIGN/ENGINEERING/ ENVIRONMENTAL DOCUMENTATION

Task C.1 Assessment and Evaluation

This task includes the completion of a study to assess sustainable water supplies through evaluation of conservation programs.

Deliverables:

- Technical Memorandum

Task C.2 Environmental Documentation

All necessary CEQA compliance documents will be prepared. A Notice of Exemption is assumed, and will be prepared and filed for this project.

Deliverables:

- Notice of Exemption, or applicable CEQA documentation

Task C.3 Project Monitoring Plan

Develop and submit a Project Monitoring Plan as outlined in Exhibit J. Along with the Project Performance Measures Table provided by DWR project manager, the Project Monitoring Plan will include baseline conditions, a brief discussion of monitoring systems to be used, methodology of monitoring, frequency of monitoring, and location of monitoring points.

Deliverables:

- Project Monitoring Plan

CATEGORY D. CONSTRUCTION/IMPLEMENTATION

Task D.1 Implementation Contracting

This task includes all activities necessary to secure consultants and award the contracts for the Home Water Reports Program, including mailed Home Water Reports and a Customer Web Portal, and Informational Landscape Classes: prepare solicitation documents, solicit proposals, select the consultants, and award the contracts. Contracts are already in place for High-Efficiency Toilet Rebates, Green Home House Call (Residential Water Audits and Direct Install) Program, 'Go Native!' Turf Replacement, Rain Water Harvesting Rain Barrel Rebates, and Educational Outreach and Technical Training Workshops.

Deliverables:

- Home Water Reports Contract Award
- Informational Landscape Classes Contract Award
- Consultant Agreements

Task D.2 Project Implementation

The quantities of rebates and turf removed are estimated values subject to adjustment to accommodate interest and insure maximum savings (i.e. if little interest is in rain barrels, the funds would be re-allocated to Turf removal).

High Efficiency Toilet Rebates

Approximately 200 rebates for High Efficiency toilets will be distributed.

Green Home House Call Program

Implementation of this program will include 500 landscape and indoor water audits and the purchase and installation of 50 toilet dams, 600 showerheads, 1000 aerators, 50 toilet flappers, and 200 dye tabs.

Rain Water Harvesting Rain Barrel Rebates

Approximately 400 rebates for rain barrels will be distributed.

'Go Native!' Turf Replacement Program

At least 24 (monthly) landscaping classes will be implemented as part of this program for educational purposes; WaterWise Gardening Website will be implemented for the educational program to provide additional resources for customers looking to replace their live grass turf. Approximately 300,000 square feet of turf will be replaced with native plants and permeable surfaces.

Home Water Reports Program

Mailed Home Water Reports will be provided to customers comparing their usage to similar homes, and will result in behavior-based water use reduction. A companion Customer Web Portal will be developed and implemented to allow customers to track their water use online and through their smartphone.

Deliverables:

- Summary of High Efficiency toilet rebates distributed
- Summary of rain barrel rebates distributed
- Green Home House Call Program Summary Report
- 'Go Native!' Turf Replacement Program Summary Report

PROJECT 8: ON-SITE RECYCLED WATER RETROFITS PROJECT

LOCAL PROJECT SPONSOR: West Basin Municipal Water District

PROJECT DESCRIPTION: This project will design and construct laterals and on-site retrofits to connect eight existing sites that use potable water for landscape irrigation to West Basin Municipal Water District's (WBMWD) recycled water system. Once completed, the project will offset approximately 206 AFY of potable water with recycled water.

DIRECT PROJECT ADMINISTRATION

Task A.1 Administration

Management of the grant agreement including compliance with grant requirements, preparation and submittal of supporting grant documents, coordination with project partners and LACFCD, management of consultants and contractors, and preparation and submittal of invoices to DWR via LACFCD.

Also included with this task is the preparation of the On-Site Recycled Water Retrofits Project portions of the Proposition 84 2014 Drought Solicitation application.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices

Task A.2 Labor Compliance Program

Take all measures necessary to ensure compliance with applicable California Labor Code requirements, including, preparation and implementation of a labor compliance program or including any payments to the Department of Industrial Relations under Labor Code Section 1771.3.

Deliverables:

- Proof of Labor Compliance, upon request

Task A.3 Reporting

Prepare quarterly Progress Reports detailing work completed during reporting period as outlined in Exhibit G of this agreement. Submit reports to LACFCD for review and inclusion in the progress reports to be submitted to DWR.

Prepare draft Final Project Completion Report and submit to DWR via LACFCD for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing LACFCD and DWR comments. The reports shall be prepared and presented in accordance with the provisions of Exhibit G.

Deliverables:

- Project Progress Reports, submitted quarterly
- Draft and Final Project Completion Report

CATEGORY B. LAND PURCHASE/EASEMENT

Task B.1 Easements

An easement will be necessary to construct a lateral for the Manhattan Village Home Owners Association (HOA). This easement will require the preparation of legal descriptions and legal maps.

Deliverables:

- Easement from Manhattan Village HOA

CATEGORY C. PLANNING/DESIGN/ENGINEERING/ ENVIRONMENTAL DOCUMENTATION

Task C.1 Assessment and Evaluation

A site investigation and assessment will be completed for all eight lateral connection sites:

- Animo Charter Middle School
- Mattel
- Dominguez Tech Center
- Anderson Park
- St. James School
- Virco Manufacturing Corp.
- Manhattan Village HOA
- Northrop Grumman

Deliverables:

- Animo Charter Middle School Site Investigation and Assessment Report
- Mattel Site Investigation and Assessment Report
- Dominguez Tech Center Site Investigation and Assessment Report
- Anderson Park Site Investigation and Assessment Report
- St. James School Site Investigation and Assessment Report
- Virco Manufacturing Corp. Site Investigation and Assessment Report
- Manhattan Village HOA Site Investigation and Assessment Report
- Northrop Grumman Site Investigation and Assessment Report

Task C.2 Final Design

Design plans and specifications will be prepared for all eight lateral connection sites:

- Animo Charter Middle School
- Mattel
- Dominguez Tech Center
- Anderson Park
- St. James School
- Virco Manufacturing Corp.
- Manhattan Village HOA
- Northrop Grumman

Deliverables:

- Animo Charter Middle School Plans and Specifications
- Mattel Plans and Specifications
- Dominguez Tech Center Plans and Specifications
- Anderson Park Plans and Specifications
- St. James School Plans and Specifications
- Virco Manufacturing Corp. Plans and Specifications
- Manhattan Village HOA Plans and Specifications
- Northrop Grumman Plans and Specifications

Task C.3 Environmental Documentation

All necessary CEQA compliance documents will be prepared. A Notice of Exemption is assumed, and will be prepared and filed for this project.

Deliverables:

- Notice of Exemption, or applicable CEQA documentation

Task C.4 Permitting

The following permits will be secured for this project:

| Permit | Permitting Agency |
|--|--|
| National Pollutant Discharge Elimination System (NPDES) Permit for discharge of hydrostatic testing water for Manhattan Village HOA, Dominguez Tech Center, Virco Manufacturing Corp., and Animo Charter Middle School | Los Angeles Regional Water Quality Control Board (RWQCB) |
| Compliance Letters regarding potable and recycled water separation criteria | LA County Department of Public Health |
| Encroachment Permit | City of Torrance |
| Encroachment Permit | City of Carson |
| Encroachment Permit | City of El Segundo |
| Encroachment Permit | City of Inglewood |
| Encroachment Permit | City of Manhattan Beach |
| Encroachment Permit | City of Hawthorne |
| Encroachment Permit | City of Redondo Beach |

Deliverables:

- Los Angeles RWQCB NPDES Permit
- LA County Department of Public Health Compliance Letters
- City of Torrance Encroachment Permit
- City of Carson Encroachment Permit
- City of El Segundo Encroachment Permit
- City of Inglewood Encroachment Permit
- City of Manhattan Beach Encroachment Permit
- City of Hawthorne Encroachment Permit
- City of Redondo Beach Encroachment Permit

Task C.5 Project Monitoring Plan

Develop and submit a Project Monitoring Plan as outlined in Exhibit J. Along with the Project Performance Measures Table provided by DWR project manager, the Project Monitoring Plan will include baseline conditions, a brief discussion of monitoring systems to be used, methodology of monitoring, frequency of monitoring, and location of monitoring points.

Deliverables:

- Project Monitoring Plan

CATEGORY D. CONSTRUCTION/IMPLEMENTATION

Task D.1 Construction Contracting

This task includes all activities necessary to secure a contractor and award the contract including: develop bid documents; prepare bid advertisement and contract documents for construction contract bidding; conduct pre-bid meeting, bid opening, and bid evaluation; select the contractor; award the contract; and issue Notice to Proceed.

Deliverables:

- Bid Advertisement
- Contract Award
- Notice to Proceed

Task D.2 Construction

This task includes the procurement and mobilization of equipment and materials, site surveying, site preparation, construction of lateral connection, performance testing of all components to ensure proper function and compliance with final design, site restoration, and demobilization at all eight connection sites.

Construction of lateral connections will include traffic control, saw cutting, trenching, pipe installation, and implementation of construction Best Management Practices (BMPs).

Construction methods will be dependent upon jurisdictional agency requirements, codes and regulations, utility impacts, pipeline size, soil conditions, and traffic impacts. It is anticipated that construction utility trucks, rubber tires, vibratory rollers, tamping rollers, mechanical rollers, backhoes, excavators, loaders, and saw-cut machines will be utilized.

It is expected that for on-site projects, PVC pipeline with diameters ranging between 2 and 4 inches will be utilized to complete retrofit conversions within the site. The onsite piping will require a minimum of 24" in depth of cover.

For offsite work (work in public right of way), it is expected that PVC pipeline with diameters ranging between 4 and 12 inches will be installed. The trenches will be as wide as necessary for proper installation and compaction of backfill in the pipe zone and per safety requirements for workers. Typical pipeline depth is a minimum of 48 inches; however it can vary if existing utilities are at the same depth.

Deliverables:

- Photo Documentation of Construction
- Performance Testing Results

Task D.3 Construction Administration

Construction administration activities include collection, review, and filing of all documentation; construction meetings; review of contractor submittals, change orders, and construction invoices; and construction inspection and monitoring by a Certified Professional. As-built drawings will be prepared to reflect construction conditions.

Deliverables:

- Inspection Reports
- Notice of Completion for Project
- Engineer's Certification of Completion for Project
- As-Built Drawings

PROJECT 9: USGVMWD RECYCLED WATER PROGRAM EXPANSION PROJECT

LOCAL PROJECT SPONSOR: Upper San Gabriel Valley Municipal Water District

PROJECT DESCRIPTION: This project will expand Upper San Gabriel Valley Municipal Water District's (USGVMWD) existing recycled water distribution system to increase the use of recycled water and offset potable water use by 8 27 A FY. The recycled water distribution system will be expanded to sites in the cities of La Puente, Industry, El Monte, South El Monte, Pico Rivera, Whittier, and unincorporated areas of Los Angeles County.

DIRECT PROJECT ADMINISTRATION

Task A.1 Administration

Management of the grant agreement including compliance with grant requirements, preparation and submittal of supporting grant documents, coordination with project partners and LACFCD, management of consultants and contractors, and preparation and submittal of invoices to DWR via LACFCD.

Also included with this task is the preparation of the USGVMWD Recycled Water Program Expansion Project portions of the Proposition 84 2014 Drought Solicitation application.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices

Task A.2 Labor Compliance Program

Take all measures necessary to ensure compliance with applicable California Labor Code requirements, including, preparation and implementation of a labor compliance program or including any payments to the Department of Industrial Relations under Labor Code Section 1771.3.

Deliverables:

- Proof of Labor Compliance, upon request

Task A.3 Reporting

Prepare quarterly Progress Reports detailing work completed during reporting period as outlined in Exhibit G of this agreement. Submit reports to LACFCD for review and inclusion in the progress reports to be submitted to DWR.

Prepare draft Final Project Completion Report and submit to DWR via LACFCD for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing LACFCD and DWR comments. The reports shall be prepared and presented in accordance with the provisions of Exhibit G.

Deliverables:

- Project Progress Reports, submitted quarterly
- Draft and Final Project Completion Report

CATEGORY B. LAND PURCHASE/EASEMENT

No land acquisition or easement is required for this project.

CATEGORY C. PLANNING/DESIGN/ENGINEERING/ ENVIRONMENTAL DOCUMENTATION

Task C.1 Assessment and Evaluation

This task includes the completion of the following studies and documents:

- La Puente Valley County Water District Recycled Water Feasibility Study Report and supplemental La Puente Valley County Water District Recycled Water Project Technical Memorandum

- Feasibility Study for the Proposed South El Monte Water System
- Letter Report on Rose Hills Memorial Park and Cemetery Recycled Water Evaluation for Phase 2 and Rose Hills Memorial Park and Cemetery Supplemental Memorandum

Deliverables:

- La Puente Valley County Water District Recycled Water Feasibility Study Report and supplemental La Puente Valley County Water District Recycled Water Project Technical Memorandum
- Feasibility Study for the Proposed South El Monte Recycled Water System
- Letter Report on Rose Hills Memorial Park and Cemetery Recycled Water Evaluation for Phase 2 and Rose Hills Memorial Park and Cemetery Supplemental Memorandum

Task C.2 Final Design

Design plans and specifications of the recycled water pipelines and retrofits of customers' irrigation systems will be prepared for all expansions:

- La Puente Valley County Water District Expansion will include the design of approximately 9,400 linear feet of pipeline and onsite retrofits at 11 locations.
- South El Monte Expansion will design approximately 19,500 linear feet of pipeline and onsite retrofits at 19 locations.
- Rose Hills Expansion will design approximately 9,000 linear feet of pipeline and onsite retrofits at the Rose Hills Memorial Park and Cemetery.

Deliverables:

- La Puente Valley County Water District Expansion Plans and Specifications
- South El Monte Expansion Plans and Specifications
- Rose Hills Expansion Plans and Specifications

Task C.3 Environmental Documentation

All necessary CEQA compliance documents will be prepared, including an Initial Study and Negative Declaration and a Notice of Exemption for the Rose Hills Memorial Park Project component.

Deliverables:

- CEQA Initial Study
- Negative Declaration
- Notice of Exemption for the Rose Hills Memorial Park Project component

Task C.4 Permitting

The following permits and approvals will be secured for this project:

| Permit | Permitting Agency |
|--|---|
| National Pollutant Discharge Elimination System (NPDES) Permit | Regional Water Quality Control Board (RWQCB) |
| Recycled Water Conversion Approval | Los Angeles County Department of Public Health (LACDPH) |
| Encroachment Permit | City of Whittier |
| Encroachment Permit | Los Angeles County Fire Department (LACFD) |
| Encroachment Permit | County of Los Angeles |
| Encroachment Permit | City of Industry |
| Encroachment Permit | City of South El Monte |
| Encroachment Permit | City of Pico Rivera |
| Encroachment Permit | City of La Puente |
| Encroachment Permit | City of El Monte |

Deliverables:

- RWQCB NPDES Permit
- LACDPH Recycled Water Conversion Approval
- City of Whittier Encroachment Permit
- LACFD Encroachment Permit
- County of Los Angeles Encroachment Permit
- City of Industry Encroachment Permit
- City of South El Monte Encroachment Permit
- City of Pico Rivera Encroachment Permit
- City of La Puente Encroachment Permit
- City of El Monte Encroachment Permit

Task C.5 Project Monitoring Plan

Develop and submit a Project Monitoring Plan as outlined in Exhibit J. Along with the Project Performance Measures Table provided by DWR project manager, the Project Monitoring Plan will include baseline conditions, a brief discussion of monitoring systems to be used, methodology of monitoring, frequency of monitoring, and location of monitoring points.

Deliverables:

- Project Monitoring Plan

CATEGORY D. CONSTRUCTION/IMPLEMENTATION

Task D.1 Construction Contracting

This task includes all activities necessary to secure a contractor and award the contract including: develop bid documents; prepare bid advertisement and contract documents for construction contract bidding; conduct pre-bid meeting, bid opening, and bid evaluation; select the contractor; award the contract; and issue Notice to Proceed.

Deliverables:

- Bid Advertisement
- Contract Award
- Notice to Proceed

Task D.2 Construction

This task includes the procurement and mobilization of equipment and materials, site preparation, construction of recycled water pipelines and retrofits, performance testing of all components to ensure proper function and compliance with final design, site restoration, and demobilization at connection sites.

Construction activities for the recycled water retrofits will include installation of recycled water pipes, new recycled water meters, backflow prevention devices, and disconnection of the irrigation systems from potable water lines. All recycled water equipment will be appropriately tagged. Construction of the pipelines on public streets will require closure of portions of the roadway; therefore necessary traffic control plans will be prepared and approved by the appropriate Cities or the County. Off-road construction equipment likely to be used is: crane, forklift, backhoe, and excavator.

The following site specific work will be completed:

- La Puente Valley County Water District Expansion will construct approximately 9,400 linear feet of pipeline and onsite retrofits at 11 sites in the cities of La Puente and Industry. The pipeline will consist of approximately 750 linear feet of 8 inch diameter PVC pipe and about 8,650 linear feet of 4 inch diameter PVC pipe. Approximately 141,000 cubic feet of soil will be excavated. A pump station (with an estimated 310 gallons per minute/20 horse power capacity) will be constructed.
- South El Monte Expansion will construct approximately 19,500 linear feet of pipeline and onsite retrofits at 19 sites in the cities of El Monte and South El Monte. The pipeline will consist of approximately 5,080 linear feet of 8 inch diameter cement lined and mortar coated steel pipe and about 8,950 linear feet of 16 inch diameter cement lined and mortar coated steel pipe. Approximately 293,000 cubic feet of soil will be excavated.

- Rose Hills Expansion will construct approximately 9,000 linear feet of pipeline and onsite retrofits at the Rose Hills Memorial Park and Cemetery. The pipeline will consist of approximately 4,500 linear feet of 8 inch diameter pipe, approximately 1,000 linear feet of 6 inch diameter pipe, approximately 1,000 linear feet 12 inch linear pipe, and approximately 2,500 linear feet of 4 inch diameter pipe. Approximately 135,000 cubic feet of soil will be excavated.

Deliverables:

- Photo Documentation of Construction
- Performance Testing Results

Task D.3 Construction Administration

Construction administration activities include collection, review, and filing of all documentation; construction meetings; review of contractor submittals, change orders, and construction invoices; and construction inspection and monitoring by a Certified Professional. As-built drawings will be prepared to reflect construction conditions.

Deliverables:

- Inspection Reports
- Notice of Completion for Project
- Engineer's Certification of Completion for Project
- As-Built Drawings

PROJECT 10: WEST COAST BASIN BARRIER PROJECT UNIT 12 INJECTION AND OBSERVATION WELLS PROJECT

LOCAL PROJECT SPONSOR: Los Angeles County Flood Control District

PROJECT DESCRIPTION: This project will construct four new injections wells to inject advanced treated recycled water into the West Coast Basin to replenish local groundwater supply and protect groundwater quality from contamination due to seawater intrusion. Three new observation wells will be constructed to measure groundwater and chloride levels and monitor the effectiveness of the recycled water injection. The project will increase the current injection capacity by 724 AFY.

DIRECT PROJECT ADMINISTRATION

Task A.1 Administration

Management of the grant agreement including compliance with grant requirements, preparation and submittal of supporting grant documents, coordination with project partners and LACFCD grant management team, management of consultants and contractors, and preparation and submittal of invoices to DWR via LACFCD grant management team.

Also included with this task is the preparation of the West Coast Basin Barrier Project Unit 12 Injection and Observation Wells Project portions of the Proposition 84 2014 Drought Solicitation application.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices

Task A.2 Labor Compliance Program

Take all measures necessary to ensure compliance with applicable California Labor Code requirements, including, preparation and implementation of a labor compliance program or including any payments to the Department of Industrial Relations under Labor Code Section 1771.3.

Deliverables:

- Proof of Labor Compliance, upon request

Task A.3 Reporting

Prepare quarterly Progress Reports detailing work completed during reporting period as outlined in Exhibit G of this agreement. Submit reports to LACFCD grant management team for review and inclusion in the progress reports to be submitted to DWR.

Prepare draft Final Project Completion Report and submit to DWR via LACFCD grant management team for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing LACFCD grant management team and DWR comments. The report shall be prepared and presented in accordance with the provisions of Exhibit G.

Deliverables:

- Project Progress Reports, submitted quarterly
- Draft and Final Project Completion Report

CATEGORY B. LAND PURCHASE/EASEMENT

No land acquisition or easement is required for this project.

CATEGORY C. PLANNING/DESIGN/ENGINEERING/ ENVIRONMENTAL DOCUMENTATION

Task C.1 Assessment and Evaluation

This task includes the completion of the Project Design Concept.

Deliverables:

- Project Design Concept

Task C.2 Final Design

Design plans and specifications for the injection wells and observation wells will be prepared.

Deliverables:

- Plans and Specifications for the Project

Task C.3 Environmental Documentation

All necessary CEQA compliance documents will be prepared. A Notice of Exemption is assumed, and will be prepared and filed for this project.

Deliverables:

- Notice of Exemption, or applicable CEQA documentation

Task C.4 Permitting

The following permits will be secured for this project:

| Permit | Permitting Agency |
|--------------------|---|
| Engineering Permit | City of Redondo Beach |
| Well Permit | Los Angeles County Department of Public Health (LACDPH) |

Deliverables:

- City of Redondo Beach Engineering Permit
- LACDPH Well Permit

Task C.5 Project Monitoring Plan

Develop and submit a Project Monitoring Plan as outlined in Exhibit J. Along with the Project Performance Measures Table provided by DWR project manager, the Project Monitoring Plan will include baseline conditions, a brief discussion of monitoring systems to be used, methodology of monitoring, frequency of monitoring, and location of monitoring points.

Deliverables:

- Project Monitoring Plan

CATEGORY D. CONSTRUCTION/IMPLEMENTATION

Task D.1 Construction Contracting

This task includes all activities necessary to secure a contractor and award the contract including: develop bid documents; prepare bid advertisement and contract documents for construction contract bidding; conduct pre-bid meeting, bid opening, and bid evaluation; select the contractor; award the contract; and issue Notices to Proceed 1 and Notice to Proceed 2. Notice to Proceed 1 will initiate the contractor's timeframe to provide project submittals for review and approval. Notice to Proceed 2 will initiate construction activities for the project.

Deliverables:

- Bid Advertisement
- Contract Award
- Notice to Proceed 1
- Notice to Proceed 2

Task D.2 Construction

This task includes the procurement and mobilization of equipment and materials, site preparation, construction of three injection wells and four observation wells, performance testing of all components to ensure proper function and compliance with final design, site restoration, and demobilization. All wells will be between approximately 550 feet and 650 feet deep.

The injection wells will be equipped with piping to convey water from an adjacent recycled water supply line into the well casing.

Deliverables:

- Photo Documentation of Construction
- Performance Testing Results

Task D.3 Construction Administration

Construction administration activities include collection, review, and filing of all documentation; construction meetings; review of contractor submittals, change orders, and construction invoices; and construction inspection and monitoring by a Certified Professional. As-built drawings will be prepared to reflect construction conditions.

Deliverables:

- Inspection Reports
- Notice of Completion for Project
- Engineer's Certification of Completion for Project
- As-Built Drawings

PROJECT 11: ROCKHAVEN WELL PROJECT

LOCAL PROJECT SPONSOR: Crescenta Valley Water District

PROJECT DESCRIPTION: This project will activate a nitrate contaminated groundwater well, constructed by Glendale Water and Power, and connect it to Crescenta Valley Water District's Glenwood Nitrate Water Treatment Plant. The project will include installation of a pump, on-site piping, and an electrical and telemetry system; and construction of a small building, a drain line for waste, on-site improvements, and a water main. Once completed, the project will provide an additional 484 AFY of groundwater supply.

DIRECT PROJECT ADMINISTRATION

Task A.1 Administration

Management of the grant agreement including compliance with grant requirements, preparation and submittal of supporting grant documents, coordination with project partners and LACFCD, management of consultants and contractors, and preparation and submittal of invoices to DWR via LACFCD.

Also included with this task is the preparation of the Rockhaven Well Project portions of the Proposition 84 2014 Drought Solicitation application.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices

Task A.2 Labor Compliance Program

Take all measures necessary to ensure compliance with applicable California Labor Code requirements, including, preparation and implementation of a labor compliance program or including any payments to the Department of Industrial Relations under Labor Code Section 1771.3.

Deliverables:

- Proof of Labor Compliance, upon request

Task A.3 Reporting

Prepare quarterly Progress Reports detailing work completed during reporting period as outlined in Exhibit G of this agreement. Submit reports to LACFCD for review and inclusion in the progress reports to be submitted to DWR.

Prepare draft Final Project Completion Report and submit to DWR via LACFCD for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing LACFCD and DWR comments. The reports shall be prepared and presented in accordance with the provisions of Exhibit G.

Deliverables:

- Project Progress Reports, submitted quarterly
- Draft and Final Project Completion Report

CATEGORY B. LAND PURCHASE/EASEMENT

Task B.1 Land Acquisition

The Rockhaven Well site is owned by Glendale Water and Power (GWP). Crescenta Valley Water District (CVWD) will enter into a lease agreement to operate the well on behalf of CVWD and GWP.

Deliverables:

- Lease Agreement between CVWD and GWP

CATEGORY C. PLANNING/DESIGN/ENGINEERING/ ENVIRONMENTAL DOCUMENTATION

Task C.1 Assessment and Evaluation

This task includes the completion of the following studies:

- Rockhaven No. 1 Pit Hole and Well Memorandum: Subsurface investigation to test production well viability.
- Rockhaven Exploratory Bid Package: Exploratory bid package for well drilling, well casing design, mechanical development and discharge, pump testing, and water quality testing.
- Rockhaven Exploratory Letter Report: Analysis of pump test and water quality data to demonstrate viability as a potable water source

Deliverables:

- Rockhaven No. 1 Pit Hole and Well Memorandum
- Rockhaven Exploratory Bid Package
- Rockhaven Exploratory Letter Report

Task C.2 Final Design

A preliminary design report will be prepared to identify major elements for the final design. The design and specifications will be prepared separately for the well site and pipeline. These design plans will then be incorporated into one construction bid package.

Deliverables:

- Preliminary Design Report
- Well Site Plans and Specifications
- Pipeline Plans and Specifications
- Final Bid Package

Task C.3 Environmental Documentation

All necessary CEQA compliance documents will be prepared, including a Negative Declaration.

Deliverables:

- Negative Declaration

Task C.4 Permitting

The following permits and approvals will be secured for this project:

| Permit | Permitting Agency |
|--|---|
| National Pollutant Discharge Elimination System (NPDES) Permit | Regional Water Quality Control Board (RWQCB) |
| Storm Drain Connection Permit | Los Angeles County, Department of Public Works (LACDPW) |
| Excavation Permit | City of Glendale |
| Building Permit | City of Glendale |
| Electrical Permit | GWP |

Deliverables:

- RWQCB NPDES Permit
- LACDPW Storm Drain Connection Permit
- City of Glendale Excavation Permit
- City of Glendale Building Permit
- GWP Electrical Permit

Task C.5 Project Monitoring Plan

Develop and submit a Project Monitoring Plan as outlined in Exhibit J. Along with the Project Performance Measures Table provided by DWR project manager, the Project Monitoring Plan will include baseline conditions, a brief discussion of monitoring systems to be used, methodology of monitoring, frequency of monitoring, and location of monitoring points.

Deliverables:

- Project Monitoring Plan

CATEGORY D. CONSTRUCTION/IMPLEMENTATION

Task D.1 Construction Contracting

This task includes all activities necessary to secure a contractor and award the contract including: develop bid documents; prepare bid advertisement and contract documents for construction contract bidding; conduct pre-bid meeting, bid opening, and bid evaluation; select the contractor; award the contract; and issue Notice to Proceed.

Deliverables:

- Bid Advertisement
- Contract Award
- Notice to Proceed

Task D.2 Construction

This task includes the procurement and mobilization of equipment and materials, site preparation, construction of all components of the project, performance testing to ensure proper function and compliance with final design, site restoration, and demobilization.

Construction of the project includes the following components:

- on-site well piping including flow meter, check valve, approximately 15 feet of 6-inch steel pipe, approximately 100 feet of 8-inch steel pipe to connect to a water main, and approximately 50 feet of electrical conduits for power to the motor, lights, and other equipment
- approximately 250 feet of 18-inch reinforced concrete pipe connection to existing storm drain
- 400 gallon per minute submersible vertical turbine pump and motor, motor control center, wiring, and conduits
- electrical service
- SCADA/telemetry communication system to remotely monitor and control well and pump
- 1,200 linear feet of 8-inch water main
- a small roll-away building over the groundwater well to look similar to buildings in the area
- site improvements: concrete pad, ramps for building, widened driveway for truck access

Deliverables:

- Photo Documentation of Construction
- Performance Testing Results

Task D.3 Construction Administration

Construction administration activities include collection, review, and filing of all documentation; construction meetings; review of contractor submittals, change orders, and construction invoices; and construction inspection and monitoring by a Certified Professional. As-built drawings will be prepared to reflect construction conditions.

Deliverables:

- Inspection Reports
- Notice of Completion for Project
- Engineer's Certification of Completion for Project
- As-Built Drawings

PROJECT 12: WATER BUDGET BASED RATE IMPLEMENTATION PROJECT

LOCAL PROJECT SPONSOR: Las Virgenes Municipal Water District

PROJECT DESCRIPTION: This project will develop and implement a parcel-specific, water budget-based rate system for about 70,000 residents and businesses in the Las Virgenes Municipal Water District (LVMWD) service area. The water budget-based rate system will be a steeply inclined tiered rate structure to dissuade over-irrigation and other inefficient water use practices. Once completed, the project will provide approximately 5,250 AF of water conservation over the seven year lifespan of the project.

CATEGORY A. DIRECT PROJECT ADMINISTRATION

Task A.1 Administration

Management of the grant agreement including compliance with grant requirements, preparation and submittal of supporting grant documents, coordination with project partners and LACFCD, management of consultants and contractors, and preparation and submittal of invoices to DWR via LACFCD.

Also included with this task is the preparation of the Water Budget Based Rate Implementation Project portions of the Proposition 84 2014 Drought Solicitation application.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices

Task A.2 Labor Compliance Program

Labor compliance is not applicable to this project.

Task A.3 Reporting

Prepare quarterly Progress Reports detailing work completed during reporting period as outlined in Exhibit G of this agreement. Submit reports to LACFCD for review and inclusion in the progress reports to be submitted to DWR.

Prepare draft Final Project Completion Report and submit to DWR via LACFCD for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing LACFCD and DWR comments. The reports shall be prepared and presented in accordance with the provisions of Exhibit G.

Deliverables:

- Project Progress Reports, submitted quarterly
- Draft and Final Project Completion Report

CATEGORY B. LAND PURCHASE/EASEMENT

Land acquisition and easements are not applicable to this project.

CATEGORY C. PLANNING/DESIGN/ENGINEERING/ ENVIRONMENTAL DOCUMENTATION

Task C.1 Assessment and Evaluation

This task includes the completion of the Water Budget Based Rates Implementation – Cost Effectiveness Analysis, including Appendix: LVMWD Memorandum - Post-Drought Water Demand

Deliverables:

- Water Budget Based Rates Implementation – Cost Effectiveness Analysis, including Appendix: LVMWD Memorandum - Post-Drought Water Demand

Task C.2 Environmental Documentation

All necessary CEQA compliance documents will be prepared. A Notice of Exemption is assumed, and will be prepared and filed for this project.

Deliverables:

- Notice of Exemption, or applicable CEQA documentation

Task C.3 Project Monitoring Plan

Develop and submit a Project Monitoring Plan as outlined in Exhibit J. Along with the Project Performance Measures Table provided by DWR project manager, the Project Monitoring Plan will include baseline conditions, a brief discussion of monitoring systems to be used, methodology of monitoring, frequency of monitoring, and location of monitoring points.

Deliverables:

- Project Monitoring Plan

CATEGORY D. CONSTRUCTION/IMPLEMENTATION

Task D.1 Implementation Contracting

Develop scope of work and request for proposals, advertise for bids, evaluate bids, and award contracts for the following:

- Budget based rates consultant
- Aerial Imagery acquisition
- Financial rate consultant for cost of service and rate structure
- Temporary staff for customer data development
- Evapotranspiration data vendor
- Billing system software upgrade

Deliverables:

- (6) Bid Advertisements
- (6) Contract Awards

Task D.2 Implementation

Project implementation consists of obtaining color-infrared aerial imagery, landscape delineation, financial cost of service analysis, rate structure development, and a billing system upgrade:

- Aerial imagery and irrigated landscape delineation production and verification
- Analyze existing data to estimate actual indoor use and summarize prior studies of actual and efficient indoor use for a staff report and recommendation on the indoor use allocation.
- Prepare evapotranspiration data
- Complete cost of service analysis and design rates in a water budget framework
- Modify Customer Information/Billing System to accommodate water-budget based rate structure calculating a customer's bill based on irrigated area, indoor usage, actual evapotranspiration and other usage (through variances). The upgrade will provide a monthly billing structure.
- Develop an implementation plan to further Automatic Meter Reading/Infrastructure (AMR/AMI) installation and operation to determine accurate monthly customer billing.
- Conduct additional manual meter readings until AMR/AMI system is sufficiently developed such that monthly meter reading can be accomplished in-house.
- Identify revisions needed in LVMWD Code to accommodate budget based rates
- Update and implement Public Outreach Plan for the project. Public Outreach will include Prop 218 Notice and Hearing, website, survey mailer, workshops, and a new release.

Deliverables:

- Statistical summary of data on irrigated area from customer parcels
- Indoor Use Staff Report
- Report on evapotranspiration data and agreement with consultant
- Cost of Service Report and Budget based rate structure for all customer classes
- Scope of Work for Customer Information/Billing System modifications capable of implementing budget based billing
- AMR/AMI Implementation Plan Staff Report
- Board Action on Las Virgenes Code Revision Memorandum
- Public Outreach Plan

PROJECT 13: WELL NO. 2 REHABILITATION PROJECT

LOCAL PROJECT SPONSOR: City of Inglewood

PROJECT DESCRIPTION: This project will rehabilitate an existing well to restore production capacity, thereby increasing the ability to access currently unused pumping rights in the West Coast Basin. Once completed, the project will provide approximately 400 AFY of additional groundwater supply for the seven year project life.

DIRECT PROJECT ADMINISTRATION

Task A.1 Administration

Management of the grant agreement including compliance with grant requirements, preparation and submittal of supporting grant documents, coordination with project partners and LACFCD, management of consultants and contractors, and preparation and submittal of invoices to DWR via LACFCD.

Also included with this task is the preparation of the Well No. 2 Rehabilitation Project portions of the Proposition 84 2014 Drought Solicitation application.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices

Task A.2 Labor Compliance Program

Take all measures necessary to ensure compliance with applicable California Labor Code requirements, including, preparation and implementation of a labor compliance program or including any payments to the Department of Industrial Relations under Labor Code Section 1771.3.

Deliverables:

- Proof of Labor Compliance, upon request

Task A.3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit G of this agreement. Submit reports to LACFCD for review and inclusion in the progress reports to be submitted to DWR.

Prepare draft Final Project Completion Report and submit to DWR via LACFCD for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing LACFCD and DWR comments. The reports shall be prepared and presented in accordance with the provisions of Exhibit G.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

CATEGORY B. LAND PURCHASE/EASEMENT

No land acquisition or easement is required for this project.

CATEGORY C. PLANNING/DESIGN/ENGINEERING/ ENVIRONMENTAL DOCUMENTATION

Task C.1 Assessment and Evaluation

This task includes the completion of Preliminary Evaluation of Downwell Condition Municipal-Supply Water Well No. 2 City of Inglewood technical memorandum.

Deliverables:

- Preliminary Evaluation of Downwell Condition Municipal-Supply Water Well No. 2 City of Inglewood technical memorandum

Task C.2 Final Design

The bid package will be prepared using as-built plans, driller's logs, and existing pump and motor data from the existing well.

Deliverables:

- Bid Package

Task C.3 Environmental Documentation

All necessary CEQA compliance documents will be prepared. A Notice of Exemption is assumed, and will be prepared and filed for this project.

Deliverables:

- Notice of Exemption, or applicable CEQA documentation

Task C.4 Permitting

The following permit will be secured for this project:

| Permit | Permitting Agency |
|--|--|
| National Pollutant Discharge Elimination System (NPDES) Permit | Regional Water Quality Control Board (RWQCB) |

Deliverables:

- RWQCB NPDES Permit

Task C.5 Project Monitoring Plan

Develop and submit a Project Monitoring Plan as outlined in Exhibit J. Along with the Project Performance Measures Table provided by DWR project manager, the Project Monitoring Plan will include baseline conditions, a brief discussion of monitoring systems to be used, methodology of monitoring, frequency of monitoring, and location of monitoring points.

Deliverables:

- Project Monitoring Plan

CATEGORY D. CONSTRUCTION/IMPLEMENTATION

Task D.1 Construction Contracting

This task includes all activities necessary to secure a contractor and award the contract including: develop bid documents; prepare bid advertisement and contract documents for construction contract bidding; conduct pre-bid meeting, bid opening, and bid evaluation; select the contractor; award the contract; and issue Notice to Proceed.

Deliverables:

- Bid Advertisement
- Contract Award
- Notice to Proceed

Task D.2 Construction

This task includes the procurement and mobilization of equipment and materials, site preparation, rehabilitation of the well, performance testing to ensure proper function and compliance with final design, site restoration, and demobilization.

Well rehabilitation will include the following:

- Removal, inspection, and repair (as necessary) on the existing pump, pump column, motor, and suction pipe
- Collection of water samples and video inspection of the existing well before and after rehabilitation
- Removal of well encrustation using wire-brush on well screen
- Further removal of encrustation using Air Burst, BoreBlast, and/or Well-Jet methods

- Removal of debris using Airlifting method by Suction mechanism, and removal of debris by bailing well by cone-bucket to penetrate/break the debris on the bottom of well
- Perform chemical treatment on well for further penetration into gravel pack surrounded the well for opening perforation
- Installation of temporary test pump and Discharge Manifold to conduct testing on new well production after rehabilitation
- Well production test on well based on drawdown, pumping rates, constant pumping rates, and specific capacity
- Removal of test pump and re-installation of permanent pump/motor assemblies to the appropriate depth based on pump test data

Deliverables:

- Photo Documentation of Rehabilitation
- Performance Testing Results

Task D.3 Construction Administration

Construction administration activities include collection, review, and filing of all documentation; construction meetings; review of contractor submittals, change orders, and construction invoices; and construction inspection and monitoring by a Certified Professional. As-built drawings will be prepared to reflect construction conditions.

Deliverables:

- Inspection Reports
- Notice of Completion for Project
- Engineer's Certification of Completion for Project
- As-Built Drawings

PROJECT 14: POMONA BASIN REGIONAL GROUNDWATER PROJECT

LOCAL PROJECT SPONSOR: Puente Basin Water Agency

PROJECT DESCRIPTION: This project will reactivate two nitrate contaminated groundwater wells and inject produced water into the Pomona Walnut and Rowland (PWR) Joint Water Line for blending with imported water in order to meet potable water quality standards. Once completed, the project will provide an approximately 1,856 AFY of additional groundwater supply.

DIRECT PROJECT ADMINISTRATION

Task A.1 Administration

Management of the grant agreement including compliance with grant requirements, preparation and submittal of supporting grant documents, coordination with project partners and LACFCD, management of consultants and contractors, and preparation and submittal of invoices to DWR via LACFCD.

Also included with this task is the preparation of the Pomona Basin Regional Groundwater Project portions of the Proposition 84 2014 Drought Solicitation application.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices

Task A.2 Labor Compliance Program

Take all measures necessary to ensure compliance with applicable California Labor Code requirements, including, preparation and implementation of a labor compliance program or including any payments to the Department of Industrial Relations under Labor Code Section 1771.3.

Deliverables:

- Proof of Labor Compliance, upon request

Task A.3 Reporting

Prepare quarterly Progress Reports detailing work completed during reporting period as outlined in Exhibit G of this agreement. Submit reports to LACFCD for review and inclusion in the progress reports to be submitted to DWR.

Prepare draft Final Project Completion Report and submit to DWR via LACFCD for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing LACFCD and DWR comments. The reports shall be prepared and presented in accordance with the provisions of Exhibit G.

Deliverables:

- Project Progress Reports, submitted quarterly
- Draft and Final Project Completion Report

CATEGORY B. LAND PURCHASE/EASEMENT

Task B.1 Land Acquisition

The project will require property lease agreements for both well sites:

- Old Baldy well site requires lease agreement with City of La Verne
- Durward well site requires lease agreement with Golden State Water Company

Deliverables:

- Lease Agreement with City of La Verne
- Lease Agreement with Golden State Water Company

CATEGORY C. PLANNING/DESIGN/ENGINEERING/ ENVIRONMENTAL DOCUMENTATION

Task C.1 Assessment and Evaluation

This task includes the completion of the following studies:

- Pomona Basin Regional Groundwater Project Alternatives Evaluation – Completed Nov 15, 2012.
- Pomona Basin Regional Groundwater Project Final Engineering Report – Completed Feb 7, 2014
- Six Basins Groundwater Project Hydraulic Analysis

Deliverables:

- Pomona Basin Regional Groundwater Project Alternatives Evaluation.
- Pomona Basin Regional Groundwater Project Final Engineering Report
- Six Basins Groundwater Project Hydraulic Analysis

Task C.2 Final Design

Final design of the project will include site investigations and preparation of the bid packages. The site investigations will include topographic surveys and geotechnical evaluations. The bid packages that will be prepared are as follows:

- Bid Package 1- PWR Joint Water Line Improvements
- Bid Package 2- Durward Well Installation
- Bid Package 3- Durward Well Equipping and Connection to PWR Joint Water Line
- Bid Package 4- Old Baldy Well Connection to PWR Joint Water Line

Deliverables:

- Topographic Survey
- Geotechnical Evaluation
- Electrical and Structural Criteria
- Bid Package 1- PWR Joint Water Line Improvements
- Bid Package 2- Durward Well Installation
- Bid Package 3- Durward Well Equipping and Connection to PWR Joint Water Line
- Bid Package 4- Old Baldy Well Connection to PWR Joint Water Line

Task C.3 Environmental Documentation

All necessary CEQA compliance documents will be prepared. A Notice of Exemption is assumed, and will be prepared and filed for this project.

Deliverables:

- Notice of Exemption, or applicable CEQA documentation

Task C.4 Permitting

The following permits and approvals will be secured for this project:

| Permit | Permitting Agency |
|--|---|
| National Pollutant Discharge Elimination System (NPDES) Permit | Regional Water Quality Control Board (RWQCB) |
| Water Supply Permit Amendment | Department of Drinking Water (DDW) |
| Well Drilling Permit | Six Basin Water Master |
| Well Drilling Permit | DDW |
| Well Drilling Permit | Los Angeles County Health Department |
| Encroachment Permit | City of La Verne, City of Pomona |
| Railroad Crossing Permit | Los Angeles County Metropolitan Transportation Authority (LACMTA) |

Deliverables:

- RWQCB NPDES Permit
- DDW Water Supply Permit Amendment
- City of La Verne Excavation Permit
- Six Basin Water Master Well Drilling Permit
- DDW Well Drilling Permit
- Los Angeles County Health Department Well Drilling Permit
- Storm Drain Connection Permit

Task C.5 Project Monitoring Plan

Develop and submit a Project Monitoring Plan as outlined in Exhibit J. Along with the Project Performance Measures Table provided by DWR project manager, the Project Monitoring Plan will include baseline conditions, a brief discussion of monitoring systems to be used, methodology of monitoring, frequency of monitoring, and location of monitoring points.

Deliverables:

- Project Monitoring Plan

CATEGORY D. CONSTRUCTION/IMPLEMENTATION

Task D.1 Construction Contracting

This task includes all activities necessary to secure a contractor and award the contract including for all four bid packages: develop bid documents; prepare bid advertisement and contract documents for construction contract bidding; conduct pre-bid meeting, bid opening, and bid evaluation; select the contractor; award the contract; and issue Notice to Proceed.

Deliverables:

- (4) Bid Advertisements
- (4) Contract Awards
- (4) Notices to Proceed

Task D.2 Construction

This task includes the procurement and mobilization of equipment and materials, site preparation, traffic control, construction of all components of the project, dewatering and de-chlorinating pipeline, performance testing to ensure proper function and compliance with final design, site restoration, and demobilization.

Construction of the project includes four components:

- Bid Package 1- PWR Joint Water Line Improvements
 - Old Baldy site excavation and shoring for flow control valve vault and pipelines
 - Installation of 60 inch butterfly valve, steel pipe, and one 60 inch unreinforced concrete pipe to steel pipe couplings.
 - Installation of two 16 inch valves and approximately 25 feet of 16 diameter steel pipe.
 - Durward site excavation and shoring for pipelines
 - Installation of 54 inch butterfly valve, steel pipe, and two 54 inch reinforced concrete pipe to steel pipe couplings.
 - Installation of approximately 80 feet of 42 inch steel pipe, one 36 inch flow control valve, one 36 inch magnetic flow meter, one 36 inch tees, and five 36 inch 90 degree elbows.
- Bid Package 2- Durward Well Installation
 - Drilling and construction of new well. The total depth of the new well will be determined following the completion of the pilot hole drilling.
- Bid Package 3- Durward Well Equipping and Connection
 - Construction of well house structure
 - Installation of yard piping improvements for connection of new 24 inch pipeline to Durward Well Site
 - Installation of disinfection system

- Installation of power and SCADA pump control facilities
- On site paving

- Bid Package 4- Old Baldy Well Connection
 - Installation of approximately 1,300 feet of 8 inch steel pipe, two 8 inch isolation valves, one 8 inch tee, two eight inch elbows, two 8" isolation valves, one 8 inch flow control valve, one 8 inch magnetic flow meter, and a meter vault.
 - Installation of approximately 2,600 feet of 12 to 24inch pipeline to Durward Well Site
 - Installation of power and SCADA control facilities

Performance testing of all four components of the project includes well pump tests, pressure testing of new pipe sections, chlorinate and bacteriological testing, operational testing of flow control valves, and testing of the SCADA network.

Deliverables:

- Photo Documentation of Construction
- Performance Testing Results

Task D.3 Construction Administration

Construction administration activities include collection, review, and filing of all documentation; construction meetings; review of contractor submittals, change orders, and construction invoices; and construction inspection and monitoring by a Certified Professional. As-built drawings will be prepared to reflect construction conditions.

Deliverables:

- Inspection Reports
- Notice of Completion for Project
- Engineer's Certification of Completion for Project
- As-Built Drawings

**EXHIBIT B
BUDGET**

GRANT AGREEMENT BUDGET

| Project Name | Grant Amount | Funding Match | Additional Cost Share | Total Project Cost |
|---|------------------------|------------------------|------------------------------|---------------------------|
| Project 1: Grant Agreement Administration | \$656,098.00 | \$0.00 | \$0.00 | \$656,098.00 |
| Project 2: Mission Wells Improvement Project | \$3,446,509.00 | \$6,015,488.00 | \$13,175,949.00 | \$22,637,946.00 |
| Project 3: Manhattan Wells Improvement Project | \$2,942,005.00 | \$6,574,662.00 | \$15,340,876.00 | \$24,857,543.00 |
| Project 4: TIWRP Advanced Water Purification Facility and Distribution System Expansion Project | \$2,454,505.00 | \$21,220,283.00 | \$49,513,988.00 | \$73,188,776.00 |
| Project 5: Recycled Water Turnouts Project | \$4,875,430.00 | \$1,824,811.00 | \$0.00 | \$6,700,241.00 |
| Project 6: Goldsworthy Desalter Expansion Project | \$3,917,005.00 | \$6,584,000.00 | \$11,868,542.00 | \$22,369,547.00 |
| Project 7: Be A Water Saver Project | \$700,967.00 | \$432,403.00 | \$432,402.00 | \$1,565,772.00 |
| Project 8: On-Site Recycled Water Retrofits Project | \$613,217.00 | \$700,285.00 | \$1,249,282.00 | \$2,562,784.00 |
| Project 9: USGVMWD Recycled Water Program Expansion Project | \$2,168,050.00 | \$1,831,724.00 | \$2,852,867.00 | \$6,852,641.00 |
| Project 10: West Coast Basin Barrier Project Unit 12 Injection and Observation Wells Project | \$1,017,441.00 | \$1,364,376.00 | \$2,637,045.00 | \$5,018,862.00 |
| Project 11: Rockhaven Well Project | \$873,298.00 | \$321,750.00 | \$0.00 | \$1,195,048.00 |
| Project 12: Water Budget Based Rate Implementation Project | \$419,407.00 | \$260,326.00 | \$0.00 | \$679,733.00 |
| Project 13: Well No. 2 Rehabilitation Project | \$197,380.00 | \$73,723.00 | \$0.00 | \$271,103.00 |
| Project 14: Pomona Basin Regional Groundwater Project | \$2,980,102.00 | \$1,565,807.00 | \$1,565,804.00 | \$6,111,713.00 |
| Agreement Total | \$27,261,414.00 | \$48,769,638.00 | \$98,636,755.00 | \$174,667,807.00 |

No Projects with DAC Waiver

Agreement Funding Match Percentage

28%

PROJECT 1: GRANT AGREEMENT ADMINISTRATION

| | Category | Grant Amount | Funding Match | Additional Cost Share | Total Cost |
|----|---|---------------------|----------------------|------------------------------|---------------------|
| A. | Direct Project Administration | \$656,098.00 | \$0.00 | \$0.00 | \$656,098.00 |
| B. | Land Purchase/Easement | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| C. | Planning/Design/Engineering/ Enviro.Doc. | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| D. | Construction/Implementation | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| | Total | \$656,098.00 | \$0.00 | \$0.00 | \$656,098.00 |

PROJECT 2: MISSION WELLS IMPROVEMENT PROJECT

| | Category | Grant Amount | Funding Match | Additional Cost Share | Total Cost |
|----|---|-----------------------|-----------------------|------------------------------|------------------------|
| A. | Direct Project Administration | \$17,004.00 | \$49,807.00 | \$49,808.00 | \$116,619.00 |
| B. | Land Purchase/Easement | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| C. | Planning/Design/Engineering/ Enviro.Doc. | \$0.00 | \$1,590,300.00 | \$0.00 | \$1,590,300.00 |
| D. | Construction/Implementation | \$3,429,505.00 | \$4,375,381.00 | \$13,126,141.00 | \$20,931,027.00 |
| | Total | \$3,446,509.00 | \$6,015,488.00 | \$13,175,949.00 | \$22,637,946.00 |

PROJECT 3: MANHATTAN WELLS IMPROVEMENT PROJECT

| | Category | Grant Amount | Funding Match | Additional Cost Share | Total Cost |
|----|---|-----------------------|-----------------------|------------------------------|------------------------|
| A. | Direct Project Administration | \$17,005.00 | \$15,781.00 | \$36,823.00 | \$69,609.00 |
| B. | Land Purchase/Easement | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| C. | Planning/Design/Engineering/ Enviro.Doc. | \$0.00 | \$65,703.00 | \$153,304.00 | \$219,007.00 |
| D. | Construction/Implementation | \$2,925,000.00 | \$6,493,178.00 | \$15,150,749.00 | \$24,568,927.00 |
| | Total | \$2,942,005.00 | \$6,574,662.00 | \$15,340,876.00 | \$24,857,543.00 |

PROJECT 4: TIWRP ADVANCED WATER PURIFICATION FACILITY AND DISTRIBUTION SYSTEM EXPANSION PROJECT

| | Category | Grant Amount | Funding Match | Additional Cost Share | Total Cost |
|----|---|-----------------------|------------------------|------------------------------|------------------------|
| A. | Direct Project Administration | \$17,005.00 | \$280,373.00 | \$654,202.00 | \$951,580.00 |
| B. | Land Purchase/Easement | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| C. | Planning/Design/Engineering/ Enviro.Doc. | \$0.00 | \$3,332,564.00 | \$7,775,981.00 | \$11,108,545.00 |
| D. | Construction/Implementation | \$2,437,500.00 | \$17,607,346.00 | \$41,083,805.00 | \$61,128,651.00 |
| | Total | \$2,454,505.00 | \$21,220,283.00 | \$49,513,988.00 | \$73,188,776.00 |

PROJECT 5: RECYCLED WATER TURNOUTS PROJECT

| Category | Grant Amount | Funding Match | Additional Cost Share | Total Cost |
|--|----------------|----------------|-----------------------|----------------|
| A. Direct Project Administration | \$17,005.00 | \$35,236.00 | \$0.00 | \$52,241.00 |
| B. Land Purchase/Easement | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| C. Planning/Design/Engineering/ Enviro.Doc. | \$617,175.00 | \$230,825.00 | \$0.00 | \$848,000.00 |
| D. Construction/Implementation | \$4,241,250.00 | \$1,558,750.00 | \$0.00 | \$5,800,000.00 |
| Total | \$4,875,430.00 | \$1,824,811.00 | \$0.00 | \$6,700,241.00 |

PROJECT 6: GOLDSWORTHY DESALTER EXPANSION PROJECT

| Category | Grant Amount | Funding Match | Additional Cost Share* | Total Cost |
|--|----------------|----------------|------------------------|-----------------|
| A. Direct Project Administration | \$0.00 | \$0.00 | \$260,911.00 | \$260,911.00 |
| B. Land Purchase/Easement | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| C. Planning/Design/Engineering/ Enviro.Doc. | \$0.00 | \$6,584,000.00 | \$788,690.00 | \$7,372,690.00 |
| D. Construction/Implementation | \$3,917,005.00 | \$0.00 | \$10,818,941.00 | \$14,735,946.00 |
| <i>Construction Administration Mobilization, Performance Testing, Demobilization, Environmental Compliance</i> | \$0.00 | \$0.00 | \$2,370,588.00 | \$2,370,588.00 |
| <i>RO Train*</i> | \$0.00 | \$0.00 | \$5,485,000.00 | \$5,485,000.00 |
| <i>Wellhead Facilities and Pump Stations*</i> | \$0.00 | \$0.00 | \$2,161,333.00 | \$2,161,333.00 |
| <i>Pipelines</i> | \$1,625,485.00 | \$0.00 | \$0.00 | \$1,625,485.00 |
| <i>Well Drilling</i> | \$2,291,520.00 | \$0.00 | \$802,020.00 | \$3,093,540.00 |
| Total | \$3,917,005.00 | \$6,584,000.00 | \$11,868,542.00 | \$22,369,547.00 |

* Partially funded through \$3M grant from Prop 50 Desalination

PROJECT 7: BE A WATER SAVER PROJECT

| Category | Grant Amount | Funding Match | Additional Cost Share | Total Cost |
|--|--------------|---------------|-----------------------|----------------|
| A. Direct Project Administration | \$26,492.00 | \$4,279.00 | \$4,279.00 | \$35,050.00 |
| B. Land Purchase/Easement | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| C. Planning/Design/Engineering/ Enviro.Doc. | \$6,600.00 | \$0.00 | \$0.00 | \$6,600.00 |
| D. Construction/Implementation | \$667,875.00 | \$428,124.00 | \$428,123.00 | \$1,524,122.00 |
| Total | \$700,967.00 | \$432,403.00 | \$432,402.00 | \$1,565,772.00 |

PROJECT 8: ON-SITE RECYCLED WATER RETROFITS PROJECT

| Category | Grant Amount | Funding Match | Additional Cost Share | Total Cost |
|--|--------------|---------------|-----------------------|----------------|
| A. Direct Project Administration | \$17,005.00 | \$54,043.00 | \$126,103.00 | \$197,151.00 |
| B. Land Purchase/Easement | \$0.00 | \$30,000.00 | \$0.00 | \$30,000.00 |
| C. Planning/Design/Engineering/ Enviro.Doc. | \$0.00 | \$236,042.00 | \$236,043.00 | \$472,085.00 |
| D. Construction/Implementation | \$596,212.00 | \$380,200.00 | \$887,136.00 | \$1,863,548.00 |
| Total | \$613,217.00 | \$700,285.00 | \$1,249,282.00 | \$2,562,784.00 |

PROJECT 9: USGVMWD RECYCLED WATER PROGRAM EXPANSION PROJECT

| Category | Grant Amount | Funding Match | Additional Cost Share | Total Cost |
|--|----------------|----------------|-----------------------|----------------|
| A. Direct Project Administration | \$115,819.00 | \$12,201.00 | \$165,517.00 | \$293,537.00 |
| B. Land Purchase/Easement | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| C. Planning/Design/Engineering/ Enviro.Doc. | \$360,316.00 | \$232,591.00 | \$431,953.00 | \$1,024,860.00 |
| D. Construction/Implementation | \$1,691,915.00 | \$1,586,932.00 | \$2,255,397.00 | \$5,534,244.00 |
| Total | \$2,168,050.00 | \$1,831,724.00 | \$2,852,867.00 | \$6,852,641.00 |

PROJECT 10: WEST COAST BASIN BARRIER PROJECT UNIT 12 INJECTION AND OBSERVATION WELLS PROJECT

| Category | Grant Amount | Funding Match | Additional Cost Share | Total Cost |
|--|----------------|----------------|-----------------------|----------------|
| A. Direct Project Administration | \$17,441.00 | \$90,158.00 | \$210,368.00 | \$317,967.00 |
| B. Land Purchase/Easement | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| C. Planning/Design/Engineering/ Enviro.Doc. | \$0.00 | \$126,564.00 | \$295,317.00 | \$421,881.00 |
| D. Construction/Implementation | \$1,000,000.00 | \$1,147,654.00 | \$2,131,360.00 | \$4,279,014.00 |
| Total | \$1,017,441.00 | \$1,364,376.00 | \$2,637,045.00 | \$5,018,862.00 |

PROJECT 11: ROCKHAVEN WELL PROJECT

| Category | Grant Amount | Funding Match | Additional Cost Share | Total Cost |
|--|--------------|---------------|-----------------------|----------------|
| A. Direct Project Administration | \$21,000.00 | \$30,875.00 | \$0.00 | \$51,875.00 |
| B. Land Purchase/Easement | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| C. Planning/Design/Engineering/ Enviro.Doc. | \$87,298.00 | \$35,875.00 | \$0.00 | \$123,173.00 |
| D. Construction/Implementation | \$765,000.00 | \$255,000.00 | \$0.00 | \$1,020,000.00 |
| Total | \$873,298.00 | \$321,750.00 | \$0.00 | \$1,195,048.00 |

PROJECT 12: WATER BUDGET BASED RATE IMPLEMENTATION PROJECT

| Category | Grant Amount | Funding Match | Additional Cost Share | Total Cost |
|--|--------------|---------------|-----------------------|--------------|
| A. Direct Project Administration | \$17,005.00 | \$30,025.00 | \$0.00 | \$47,030.00 |
| B. Land Purchase/Easement | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| C. Planning/Design/Engineering/ Enviro.Doc. | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| D. Construction/Implementation | \$402,402.00 | \$230,301.00 | \$0.00 | \$632,703.00 |
| Total | \$419,407.00 | \$260,326.00 | \$0.00 | \$679,733.00 |

PROJECT 13: WELL NO. 2 REHABILITATION PROJECT

| Category | Grant Amount | Funding Match | Additional Cost Share | Total Cost |
|--|--------------|---------------|-----------------------|--------------|
| A. Direct Project Administration | \$17,006.00 | \$5,435.00 | \$0.00 | \$22,441.00 |
| B. Land Purchase/Easement | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| C. Planning/Design/Engineering/ Enviro.Doc. | \$0.00 | \$3,662.00 | \$0.00 | \$3,662.00 |
| D. Construction/Implementation | \$180,374.00 | \$64,626.00 | \$0.00 | \$245,000.00 |
| Total | \$197,380.00 | \$73,723.00 | \$0.00 | \$271,103.00 |

PROJECT 14: POMONA BASIN REGIONAL GROUNDWATER PROJECT

| Category | Grant Amount | Funding Match | Additional Cost Share | Total Cost |
|--|----------------|----------------|-----------------------|----------------|
| A. Direct Project Administration | \$252,318.00 | \$114,626.00 | \$114,625.00 | \$481,569.00 |
| B. Land Purchase/Easement | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| C. Planning/Design/Engineering/ Enviro.Doc. | \$481,296.00 | \$358,953.00 | \$358,952.00 | \$1,199,201.00 |
| D. Construction/Implementation | \$2,246,488.00 | \$1,092,228.00 | \$1,092,227.00 | \$4,430,943.00 |
| Total | \$2,980,102.00 | \$1,565,807.00 | \$1,565,804.00 | \$6,111,713.00 |

EXHIBIT C
SCHEDULE

GRANT AGREEMENT SCHEDULE

| Project Name | Start | Finish |
|---|--------------|---------------|
| PROJECT 1: GRANT AGREEMENT ADMINISTRATION | 10/30/2014 | 1/31/2018 |
| PROJECT 2: MISSION WELLS IMPROVEMENT PROJECT | 3/3/2014 | 11/30/2016 |
| PROJECT 3: MANHATTAN WELLS IMPROVEMENT PROJECT | 12/20/2010 | 3/14/2017 |
| PROJECT 4: TIWRP ADVANCED WATER PURIFICATION FACILITY AND DISTRIBUTION SYSTEM EXPANSION PROJECT | 1/1/2014 | 11/28/2017 |
| PROJECT 5: RECYCLED WATER TURNOUTS PROJECT | 5/1/2014 | 2/15/2016 |
| PROJECT 6: GOLDSWORTHY DESALTER EXPANSION PROJECT | 5/1/2014 | 12/31/2016 |
| PROJECT 7: BE A WATER SAVER PROJECT | 5/1/2014 | 12/31/2016 |
| PROJECT 8: ON-SITE RECYCLED WATER RETROFITS PROJECT | 1/17/2014 | 12/31/2016 |
| PROJECT 9: USGVMWD RECYCLED WATER PROGRAM EXPANSION PROJECT | 4/1/2011 | 9/1/2016 |
| PROJECT 10: WEST COAST BASIN BARRIER PROJECT UNIT 12 INJECTION AND OBSERVATION WELLS PROJECT | 5/1/2014 | 3/14/2017 |
| PROJECT 11: ROCKHAVEN WELL PROJECT | 5/1/2014 | 11/9/2015 |
| PROJECT 12: WATER BUDGET BASED RATE IMPLEMENTATION PROJECT | 3/25/2014 | 6/30/2017 |
| PROJECT 13: WELL NO. 2 REHABILITATION PROJECT | 5/1/2014 | 1/31/2016 |
| PROJECT 14: POMONA BASIN REGIONAL GROUNDWATER PROJECT | 5/1/2014 | 11/27/2016 |

PROJECT 1: GRANT AGREEMENT ADMINISTRATION

| Category and Task | Start | Finish |
|---|-------------------|------------------|
| Category A. Grant Administration | 10/30/2014 | 1/31/2018 |
| Task A.1 Administration | 10/30/2014 | 1/31/2018 |
| Task A.2 Invoicing | 10/31/2014 | 1/31/2018 |
| Task A.3 Reporting | 11/1/2014 | 1/31/2018 |

PROJECT 2: MISSION WELLS IMPROVEMENT PROJECT

| Category and Task | Start | Finish |
|---|-----------------|-------------------|
| Category A. Direct Project Administration | 3/3/2014 | 11/30/2016 |
| Task A.1 Administration | 3/3/2014 | 10/31/2016 |
| Task A.2 Labor Compliance Program | 7/7/2014 | 7/20/2016 |
| Task A.3 Reporting | 10/16/2014 | 11/30/2016 |
| Category B. Land Purchase/ Easement | | |
| not applicable | | |
| Category C. Planning/ Design/ Engineering/ Enviro.Doc. | 1/2/2010 | 6/29/2015 |
| Task C.1 Assessment and Evaluation | 10/26/2010 | 9/30/2014 |
| Task C.2 Final Design | 11/13/2012 | 6/29/2015 |
| Task C.3 Environmental Documentation | 5/9/2014 | 5/9/2014 |
| Task C.4 Permitting | 1/2/2010 | 10/31/2014 |
| Task C.5 Project Monitoring Plan | 11/26/2014 | 11/26/2014 |
| Category D. Construction / Implementation | 3/3/2014 | 11/30/2016 |
| Task D.1 Construction Contracting | 3/3/2014 | 10/1/2014 |
| Task D.2 Construction | 7/15/2014 | 9/30/2016 |
| Task D.3 Construction Administration | 3/3/2014 | 11/30/2016 |

PROJECT 3: MANHATTAN WELLS IMPROVEMENT PROJECT

| Category and Task | Start | Finish |
|---|-------------------|-------------------|
| Category A. Direct Project Administration | 12/20/2010 | 3/14/2017 |
| Task A.1 Administration | 12/20/2010 | 3/14/2017 |
| Task A.2 Labor Compliance Program | 3/16/2015 | 10/31/2016 |
| Task A.3 Reporting | 10/16/2014 | 11/15/2016 |
| Category B. Land Purchase/ Easement | | |
| not applicable | | |
| Category C. Planning/ Design/ Engineering/ Enviro.Doc. | 1/2/2010 | 6/1/2015 |
| Task C.1 Assessment and Evaluation | 1/4/2010 | 8/12/2011 |
| Task C.2 Final Design | 8/1/2011 | 1/20/2015 |
| Task C.3 Environmental Documentation | 6/1/2010 | 1/20/2011 |
| Task C.4 Permitting | 1/2/2010 | 1/20/2015 |
| Task C.5 Project Monitoring Plan | 4/1/2015 | 6/1/2015 |
| Category D. Construction / Implementation | 11/24/2014 | 10/31/2016 |
| Task D.1 Construction Contracting | 11/24/2014 | 2/1/2015 |
| Task D.2 Construction | 2/1/2015 | 10/31/2016 |
| Task D.3 Construction Administration | 11/24/2014 | 10/31/2016 |

PROJECT 4: TIWRP ADVANCED WATER PURIFICATION FACILITY AND DISTRIBUTION SYSTEM EXPANSION PROJECT

| Category and Task | Start | Finish |
|---|------------------|-------------------|
| Category A. Direct Project Administration | 1/1/2014 | 11/28/2017 |
| Task A.1 Administration | 1/1/2014 | 10/31/2017 |
| Task A.2 Labor Compliance Program | 1/15/2014 | 10/31/2017 |
| Task A.3 Reporting | 4/1/2015 | 11/28/2017 |
| Category B. Land Purchase/ Easement | 7/1/2014 | 4/30/2017 |
| Task B.1 Easements | 7/1/2014 | 4/30/2017 |
| Category C. Planning/ Design/ Engineering/ Enviro.Doc. | 1/2/2010 | 4/30/2017 |
| Task C.1 Assessment and Evaluation | 12/3/2012 | 9/29/2014 |
| Task C.2 Final Design | 8/9/2013 | 4/30/2017 |
| Task C.3 Environmental Documentation | 1/2/2010 | 4/1/2014 |
| Task C.4 Permitting | 1/1/2013 | 4/30/2017 |
| Task C.5 Project Monitoring Plan | 1/1/2014 | 4/1/2015 |
| Category D. Construction / Implementation | 12/3/2012 | 10/31/2017 |
| Task D.1 Construction Contracting | 12/3/2012 | 7/6/2015 |
| Task D.2 Construction | 4/1/2015 | 10/31/2017 |
| Task D.3 Construction Administration | 4/1/2015 | 10/31/2017 |
| Task D.4 Environmental Compliance and Mitigation | 7/1/2013 | 10/31/2017 |

PROJECT 5: RECYCLED WATER TURNOUTS PROJECT

| Category and Task | Start | Finish |
|---|-----------------|-------------------|
| Category A. Direct Project Administration | 5/1/2014 | 2/15/2016 |
| Task A.1 Administration | 5/1/2014 | 2/15/2016 |
| Task A.2 Labor Compliance Program | 5/7/2015 | 12/15/2015 |
| Task A.3 Reporting | 6/1/2015 | 2/15/2016 |
| Category B. Land Purchase/ Easement | 9/2/2013 | 5/15/2015 |
| Task B.1 Easements | 9/2/2013 | 5/15/2015 |
| Category C. Planning/ Design/ Engineering/ Enviro.Doc. | 7/2/2012 | 9/1/2015 |
| Task C.1 Final Design | 7/2/2012 | 3/2/2015 |
| Task C.2 Environmental Documentation | 1/2/2013 | 5/1/2013 |
| Task C.3 Permitting | 8/1/2013 | 4/30/2015 |
| Task C.4 Project Monitoring Plan | 5/1/2015 | 9/1/2015 |
| Category D. Construction / Implementation | 4/1/2015 | 12/15/2015 |
| Task D.1 Construction Contracting | 4/1/2015 | 5/1/2015 |
| Task D.2 Construction | 5/7/2015 | 12/15/2015 |
| Task D.3 Construction Administration | 4/16/2015 | 12/15/2015 |
| Task D.4 Environmental Compliance and Mitigation | 5/7/2015 | 12/15/2015 |

PROJECT 6: GOLDSWORTHY DESALTER EXPANSION PROJECT

| Category and Task | Start | Finish |
|---|-----------------|-------------------|
| Category A. Direct Project Administration | 5/1/2014 | 12/31/2016 |
| Task A.1 Administration | 5/1/2014 | 12/31/2016 |
| Task A.2 Labor Compliance Program | 1/1/2015 | 11/30/2016 |
| Task A.3 Reporting | 10/16/2014 | 11/30/2016 |
| Category B. Land Purchase/ Easement | | |
| not applicable | | |
| Category C. Planning/ Design/ Engineering/ Enviro.Doc. | 2/1/2012 | 6/1/2016 |
| Task C.1 Assessment and Evaluation | 2/1/2012 | 10/1/2012 |
| Task C.2 Final Design | 8/1/2013 | 9/19/2014 |
| Task C.3 Environmental Documentation | 1/2/2013 | 8/2/2013 |
| Task C.4 Permitting | 12/1/2013 | 6/1/2016 |
| Task C.5 Project Monitoring Plan | 4/1/2015 | 5/29/2015 |
| Category D. Construction / Implementation | 8/1/2014 | 11/30/2016 |
| Task D.1 Construction Contracting | 8/1/2014 | 6/30/2015 |
| Task D.2 Construction | 1/5/2015 | 11/30/2016 |
| Task D.3 Construction Administration | 1/5/2015 | 11/30/2016 |
| Task D.4 Environmental Compliance and Mitigation | 1/5/2015 | 11/30/2016 |

PROJECT 7: BE A WATER SAVER PROJECT

| Category and Task | Start | Finish |
|---|------------------|-------------------|
| Category A. Direct Project Administration | 5/1/2014 | 12/31/2016 |
| Task A.1 Administration | 5/1/2014 | 9/30/2016 |
| Task A.2 Labor Compliance Program | n/a | n/a |
| Task A.3 Reporting | 10/16/2014 | 12/31/2016 |
| Category B. Land Purchase/ Easement | | |
| not applicable | | |
| Category C. Planning/ Design/ Engineering/ Enviro.Doc. | 6/1/2014 | 4/30/2015 |
| Task C.1 Assessment and Evaluation | 6/1/2014 | 8/1/2014 |
| Task C.2 Environmental Documentation | 12/16/2014 | 1/15/2015 |
| Task C.3 Project Monitoring Plan | 11/19/2014 | 4/30/2015 |
| Category D. Construction / Implementation | 1/17/2014 | 10/31/2016 |
| Task D.1 Implementation Contracting | 1/17/2014 | 9/30/2016 |
| Task D.2 Implementation | 1/17/2014 | 10/31/2016 |

PROJECT 8: ON-SITE RECYCLED WATER RETROFITS PROJECT

| Category and Task | Start | Finish |
|---|------------------|-------------------|
| Category A. Direct Project Administration | 1/17/2014 | 12/31/2016 |
| Task A.1 Administration | 1/17/2014 | 12/31/2016 |
| Task A.2 Labor Compliance Program | 1/27/2015 | 5/30/2016 |
| Task A.3 Reporting | 10/16/2014 | 12/31/2016 |
| Category B. Land Purchase/ Easement | 4/2/2015 | 8/27/2015 |
| Task B.1 Easements | 4/2/2015 | 8/27/2015 |
| Category C. Planning/ Design/ Engineering/ Enviro.Doc. | 1/2/2010 | 2/28/2016 |
| Task C.1 Assessment and Evaluation | 1/2/2010 | 5/29/2015 |
| Task C.2 Final Design | 11/10/2014 | 12/31/2015 |
| Task C.3 Environmental Documentation | 6/1/2015 | 1/31/2016 |
| Task C.4 Permitting | 12/15/2014 | 2/28/2016 |
| Task C.5 Project Monitoring Plan | 3/1/2015 | 7/30/2015 |
| Category D. Construction / Implementation | 5/1/2015 | 6/30/2016 |
| Task D.1 Construction Contracting | 5/1/2015 | 1/25/2016 |
| Task D.2 Construction | 6/1/2015 | 5/30/2016 |
| Task D.3 Construction Administration | 5/1/2015 | 6/30/2016 |

PROJECT 9: USGVMWD RECYCLED WATER PROGRAM EXPANSION PROJECT

| Category and Task | Start | Finish |
|---|------------------|------------------|
| Category A. Direct Project Administration | 4/1/2011 | 9/1/2016 |
| Task A.1 Administration | 4/1/2011 | 9/1/2016 |
| Task A.2 Labor Compliance Program | 3/2/2015 | 6/24/2016 |
| Task A.3 Reporting | 10/16/2014 | 9/1/2016 |
| Category B. Land Purchase/ Easement | | |
| not applicable | | |
| Category C. Planning/ Design/ Engineering/ Enviro.Doc. | 9/1/2011 | 6/24/2016 |
| Task C.1 Assessment and Evaluation | 9/1/2011 | 5/22/2014 |
| Task C.2 Final Design | 7/1/2014 | 6/30/2015 |
| Task C.3 Environmental Documentation | 5/1/2014 | 4/1/2015 |
| Task C.4 Permitting | 12/1/2014 | 6/24/2016 |
| Task C.5 Project Monitoring Plan | 5/1/2015 | 6/30/2015 |
| Category D. Construction / Implementation | 12/1/2014 | 6/24/2016 |
| Task D.1 Construction Contracting | 12/1/2014 | 8/31/2015 |
| Task D.2 Construction | 7/1/2015 | 6/24/2016 |
| Task D.3 Construction Administration | 7/1/2015 | 6/24/2016 |

PROJECT 10: WEST COAST BASIN BARRIER PROJECT UNIT 12 INJECTION AND OBSERVATION WELLS PROJECT

| Category and Task | Start | Finish |
|---|------------------|------------------|
| Category A. Direct Project Administration | 5/1/2014 | 3/14/2017 |
| Task A.1 Administration | 5/1/2014 | 3/14/2017 |
| Task A.2 Labor Compliance Program | 1/15/2016 | 1/31/2017 |
| Task A.3 Reporting | 10/16/2014 | 3/14/2017 |
| Category B. Land Purchase/ Easement | | |
| not applicable | | |
| Category C. Planning/ Design/ Engineering/ Enviro.Doc. | 7/1/2010 | 5/27/2016 |
| Task C.1 Assessment and Evaluation | 7/1/2010 | 10/20/2010 |
| Task C.2 Final Design | 11/3/2011 | 7/3/2012 |
| Task C.3 Environmental Documentation | 7/11/2011 | 2/12/2016 |
| Task C.4 Permitting | 5/1/2014 | 5/27/2016 |
| Task C.5 Project Monitoring Plan | 5/1/2015 | 2/12/2016 |
| Category D. Construction / Implementation | 1/13/2015 | 3/14/2017 |
| Task D.1 Construction Contracting | 1/13/2015 | 4/1/2016 |
| Task D.2 Construction | 2/15/2016 | 12/31/2016 |
| Task D.3 Construction Administration | 1/13/2015 | 3/14/2017 |

PROJECT 11: ROCKHAVEN WELL PROJECT

| Category and Task | Start | Finish |
|---|------------------|-------------------|
| Category A. Direct Project Administration | 5/1/2014 | 11/9/2015 |
| Task A.1 Administration | 5/1/2014 | 10/12/2015 |
| Task A.2 Labor Compliance Program | 3/23/2015 | 10/12/2015 |
| Task A.3 Reporting | 12/15/2014 | 11/9/2015 |
| Category B. Land Purchase/ Easement | 5/1/2014 | 1/5/2015 |
| Task B.1 Land Acquisition | 5/1/2014 | 1/5/2015 |
| Category C. Planning/ Design/ Engineering/ Enviro.Doc. | 1/2/2010 | 4/3/2015 |
| Task C.1 Assessment and Evaluation | 1/2/2010 | 6/24/2011 |
| Task C.2 Final Design | 7/7/2014 | 3/30/2015 |
| Task C.3 Environmental Documentation | 5/1/2014 | 6/17/2014 |
| Task C.4 Permitting | 1/9/2015 | 4/3/2015 |
| Task C.5 Project Monitoring Plan | 3/1/2015 | 3/25/2015 |
| Category D. Construction / Implementation | 3/17/2015 | 10/12/2015 |
| Task D.1 Construction Contracting | 3/17/2015 | 5/1/2015 |
| Task D.2 Construction | 5/1/2015 | 10/5/2015 |
| Task D.3 Construction Administration | 5/1/2015 | 10/12/2015 |

PROJECT 12: WATER BUDGET BASED RATE IMPLEMENTATION PROJECT

| Category and Task | Start | Finish |
|---|------------------|-------------------|
| Category A. Direct Project Administration | 3/25/2014 | 6/30/2017 |
| Task A.1 Administration | 3/25/2014 | 6/30/2017 |
| Task A.2 Labor Compliance Program | n/a | n/a |
| Task A.3 Reporting | 12/1/2014 | 6/30/2017 |
| Category B. Land Purchase/ Easement | | |
| not applicable | | |
| Category C. Planning/ Design/ Engineering/ Enviro.Doc. | 4/2/2012 | 12/31/2016 |
| Task C.1 Assessment and Evaluation | 4/2/2012 | 6/2/2014 |
| Task C.2 Environmental Documentation | 10/10/2015 | 11/10/2015 |
| Task C.3 Project Monitoring Plan | 10/1/2016 | 12/31/2016 |
| Category D. Construction / Implementation | 3/25/2014 | 5/31/2017 |
| Task D.1 Implementation Contracting | 4/8/2014 | 6/30/2015 |
| Task D.2 Implementation | 3/25/2014 | 5/31/2017 |

PROJECT 13: WELL NO. 2 REHABILITATION PROJECT

| Category and Task | Start | Finish |
|---|------------------|-------------------|
| Category A. Direct Project Administration | 5/1/2014 | 1/31/2016 |
| Task A.1 Administration | 5/1/2014 | 11/30/2015 |
| Task A.2 Labor Compliance Program | 2/27/2015 | 11/30/2015 |
| Task A.3 Reporting | 10/16/2014 | 1/31/2016 |
| Category B. Land Purchase/ Easement | | |
| not applicable | | |
| Category C. Planning/ Design/ Engineering/ Enviro.Doc. | 1/2/2014 | 9/30/2015 |
| Task C.1 Assessment and Evaluation | 1/2/2014 | 3/21/2014 |
| Task C.2 Final Design | 10/16/2014 | 2/15/2014 |
| Task C.3 Environmental Documentation | 1/15/2015 | 2/20/2015 |
| Task C.4 Permitting | 9/1/2015 | 9/30/2015 |
| Task C.5 Project Monitoring Plan | 3/10/2015 | 5/15/2015 |
| Category D. Construction / Implementation | 5/15/2015 | 12/31/2015 |
| Task D.1 Construction Contracting | 5/15/2015 | 6/30/2015 |
| Task D.2 Construction | 7/15/2015 | 12/31/2015 |
| Task D.3 Construction Administration | 7/15/2015 | 12/31/2015 |

PROJECT 14: POMONA BASIN REGIONAL GROUNDWATER PROJECT

| Category and Task | Start | Finish |
|---|-------------------|-------------------|
| Category A. Direct Project Administration | 5/1/2014 | 11/27/2016 |
| Task A.1 Administration | 5/1/2014 | 8/29/2016 |
| Task A.2 Labor Compliance Program | 2/1/2015 | 8/29/2016 |
| Task A.3 Reporting | 10/16/2014 | 8/29/2016 |
| Category B. Land Purchase/ Easement | 5/1/2014 | 10/30/2014 |
| Task B.1 Land Acquisition | 5/1/2014 | 10/30/2014 |
| Category C. Planning/ Design/ Engineering/ Enviro.Doc. | 10/31/2011 | 8/27/2015 |
| Task C.1 Assessment and Evaluation | 10/31/2011 | 8/29/2014 |
| Task C.2 Final Design | 5/1/2014 | 8/27/2015 |
| Task C.3 Environmental Documentation | 6/11/2014 | 2/20/2015 |
| Task C.4 Permitting | 9/25/2014 | 2/20/2015 |
| Task C.5 Project Monitoring Plan | 3/1/2015 | 5/29/2015 |
| Category D. Construction / Implementation | 1/1/2015 | 8/29/2016 |
| Task D.1 Construction Contracting | 1/1/2015 | 9/28/2015 |
| Task D.2 Construction | 2/1/2015 | 8/29/2016 |
| Task D.3 Construction Administration | 2/1/2015 | 8/29/2016 |

EXHIBIT D
STANDARD CONDITIONS

D.1) ACCOUNTING AND DEPOSIT OF FUNDING DISBURSEMENT:

- a) **Separate Accounting of Funding Disbursements and Interest Records:** Grantee shall account for the money disbursed pursuant to this Grant Agreement separately from all other Grantee funds. Grantee shall maintain audit and accounting procedures that are in accordance with generally accepted accounting principles and practices, consistently applied. Grantee shall keep complete and accurate records of all receipts, disbursements, and interest earned on expenditures of such funds. Grantee shall require its contractors or subcontractors to maintain books, records, and other documents pertinent to their work in accordance with generally accepted accounting principles and practices. Records are subject to inspection by State at any and all reasonable times.
- b) **Fiscal Management Systems and Accounting Standards:** The Grantee agrees that, at a minimum, its fiscal control and accounting procedures will be sufficient to permit tracing of grant funds to a level of expenditure adequate to establish that such funds have not been used in violation of state law or this Grant Agreement.
- c) **Disposition of Money Disbursed:** All money disbursed pursuant to this Grant Agreement shall be deposited, administered, and accounted for pursuant to the provisions of applicable law.
- d) **Remittance of Unexpended Funds:** Grantee shall remit to State any unexpended funds that were disbursed to Grantee under this Grant Agreement and were not used to pay Eligible Project Costs within a period of sixty (60) calendar days from the final disbursement from State to Grantee of funds or, within thirty (30) calendar days of the expiration of the Grant Agreement, whichever comes first.

D.2) ACKNOWLEDGEMENT OF CREDIT: Grantee shall include appropriate acknowledgement of credit to the State and to all cost-sharing partners for their support when promoting the Projects or using any data and/or information developed under this Grant Agreement. During construction of each project, Grantee shall install a sign at a prominent location, which shall include a statement that the project is financed under the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006, administered by State of California, Department of Water Resources. Grantee shall notify State that the sign has been erected by providing them with a site map with the sign location noted and a photograph of the sign.

D.3) AIR OR WATER POLLUTION VIOLATION: Under State laws, the Grantee shall not be: (1) in violation of any order or resolution not subject to review promulgated by the State Air Resources Board or an air pollution control district; (2) subject to cease and desist order not subject to review issued pursuant to Section 13301 of the Water Code for violation of waste discharge requirements or discharge prohibitions; or (3) finally determined to be in violation of provisions of federal law relating to air or water pollution.

D.4) AMENDMENT: This Grant Agreement may be amended at any time by mutual agreement of the Parties, except insofar as any proposed amendments are in any way contrary to applicable law. Requests by the Grantee for amendments must be in writing stating the amendment request and the reason for the request. State shall have no obligation to agree to an amendment.

D.5) AMERICANS WITH DISABILITIES ACT: By signing this Grant Agreement, Grantee assures State that it complies with the Americans with Disabilities Act (ADA) of 1990, (42 U.S.C., 12101 et seq.), which prohibits discrimination on the basis of disability, as well as all applicable regulations and guidelines issued pursuant to the ADA.

D.6) APPROVAL: This Agreement is of no force or effect until signed by all parties to the agreement. Grantee may not submit invoices or receive payment until all required signatures have been obtained.

D.7) AUDITS: State reserves the right to conduct an audit at any time between the execution of this Grant Agreement and the completion of Projects, with the costs of such audit borne by State. After completion of the Projects, State may require Grantee to conduct a final audit to State's specifications,

at Grantee's expense, such audit to be conducted by and a report prepared by an independent Certified Public Accountant. Failure or refusal by Grantee to comply with this provision shall be considered a breach of this Grant Agreement, and State may elect to pursue any remedies provided in Paragraph 14 or take any other action it deems necessary to protect its interests.

Pursuant to Government Code Section 8546.7, the Grantee shall be subject to the examination and audit by the State for a period of three years after final payment under this Grant Agreement with respect to all matters connected with this Grant Agreement, including but not limited to, the cost of administering this Grant Agreement. All records of Grantee or its contractor or subcontractors shall be preserved for this purpose for at least three (3) years after project completion or final billing, whichever comes later.

D.8) BUDGET CONTINGENCY: If the Budget Act of the current year covered under this Grant Agreement does not appropriate sufficient funds for the Proposition 84 Implementation Grant Program, this Grant Agreement shall be of no force and effect. This provision shall be construed as a condition precedent to the obligation of State to make any payments under this Grant Agreement. In this event, State shall have no liability to pay any funds whatsoever to Grantee or to furnish any other considerations under this Grant Agreement and Grantee shall not be obligated to perform any provisions of this Grant Agreement. Nothing in this Grant Agreement shall be construed to provide Grantee with a right of priority for payment over any other Grantee. If funding for any fiscal year after the current year covered by this Grant Agreement is reduced or deleted by the Budget Act for purposes of this program, State shall have the option to either cancel this Grant Agreement with no liability occurring to State, or offer a Grant Agreement amendment to Grantee to reflect the reduced amount.

D.9) CALIFORNIA CONSERVATION CORPS: As required in Water Code section 79038(b), Grantee shall examine the feasibility of using the California Conservation Corps or community conservation corps to accomplish the habitat restoration, enhancement and protection activities listed in the Exhibit A, Work Plan, and shall use the services of one of these organizations whenever feasible.

D.10) CEQA: Activities funded under this Grant Agreement, regardless of funding source, must be in compliance with the California Environmental Quality Act (CEQA) (Public Resources Code §21000 et seq.). Information on CEQA may be found at the following links:

Environmental Information: <http://ceres.ca.gov/ceqa/>

California State Clearinghouse Handbook: <http://ceres.ca.gov/planning/sch/>

Notwithstanding any other provision of this Grant Agreement, if the environmental review pursuant to the California Environmental Quality Act (CEQA) discloses that any of the project phases, or portion thereof, will have significant environmental impacts that cannot be feasibly mitigated then Grantee shall consult with Grantor. With Grantor's approval, which shall not be unreasonably withheld, Grantee may determine not to implement any portion of the project work described in Exhibit A. In the event the parties, pursuant to this paragraph, determine not to implement any portion of the project work described in Exhibit A, this Grant Agreement shall be deemed terminated as to that portion of the project work, and the parties shall have no further obligations to each other under this Grant Agreement as to that portion of the project work. Each of the project phases, which are considered independently useful, will be addressed separately under CEQA.

D.11) CHILD SUPPORT COMPLIANCE ACT: For any Grant Agreement in excess of \$100,000, the Grantee acknowledges in accordance with Public Contract Code 7110, that:

- a) The Grantee recognizes the importance of child and family support obligations and shall fully comply with all applicable state and federal laws relating to child and family support enforcement, including, but not limited to, disclosure of information and compliance with earnings assignment orders, as provided in Chapter 8 (commencing with section 5200) of Part 5 of Division 9 of the Family Code; and

- b) The Grantee, to the best of its knowledge is fully complying with the earnings assignment orders of all employees and is providing the names of all new employees to the New Hire Registry maintained by the California Employment Development Department.
- D.12) CLAIMS DISPUTE:** Any claim that the Grantee may have regarding performance of this agreement including, but not limited to, claims for additional compensation or extension of time, shall be submitted to the State's Project Manager, within thirty (30) days of the Grantee's knowledge of the claim. State and Grantee shall then attempt to negotiate a resolution of such claim and process an amendment to this Agreement to implement the terms of any such resolution.
- D.13) COMPETITIVE BIDDING AND PROCUREMENTS:** Grantee shall comply with all applicable laws and regulations regarding securing competitive bids and undertaking competitive negotiations in Grantee's contracts with other entities for acquisition of goods and services and construction of public works with funds provided by State under this Grant Agreement.
- D.14) COMPUTER SOFTWARE:** Grantee certifies that it has appropriate systems and controls in place to ensure that state funds will not be used in the performance of this Grant Agreement for the acquisition, operation, or maintenance of computer software in violation of copyright laws.
- D.15) CONFLICT OF INTEREST:** All participants are subject to State and Federal conflict of interest laws. Failure to comply with these laws, including business and financial disclosure provisions, will result in the application being rejected and any subsequent contract being declared void. Other legal action may also be taken. Applicable statutes include, but are not limited to, Government Code, Section 1090 and Public Contract Code, Sections 10410 and 10411, for State conflict of interest requirements.
- a) **Current State Employees:** No State officer or employee shall engage in any employment, activity, or enterprise from which the officer or employee receives compensation or has a financial interest and which is sponsored or funded by any State agency, unless the employment, activity, or enterprise is required as a condition of regular State employment. No State officer or employee shall contract on his or her own behalf as an independent contractor with any State agency to provide goods or services.
- b) **Former State Employees:** For the two-year period from the date he or she left State employment, no former State officer or employee may enter into a contract in which he or she engaged in any of the negotiations, transactions, planning, arrangements, or any part of the decision-making process relevant to the contract while employed in any capacity by any State agency. For the twelve-month period from the date he or she left State employment, no former State officer or employee may enter into a contract with any State agency if he or she was employed by that State agency in a policy-making position in the same general subject area as the proposed contract within the twelve-month period prior to his or her leaving State service.
- c) **Employees of the Grantee:** Employees of the Grantee shall comply with all applicable provisions of law pertaining to conflicts of interest, including but not limited to any applicable conflict of interest provisions of the California Political Reform Act, Cal. Gov't Code § 87100 et seq.
- d) **Employees and Consultants to the Grantee:** Individuals working on behalf of a Grantee may be required by the Department to file a Statement of Economic Interests (Fair Political Practices Commission Form 700) if it is determined that an individual is a consultant for Political Reform Act purposes.
- D.16) DELIVERY OF INFORMATION, REPORTS, AND DATA:** Grantee agrees to expeditiously provide throughout the term of this Grant Agreement, such reports, data, information, and certifications as may be reasonably required by State.
- D.17) DISPOSITION OF EQUIPMENT:** Grantee shall provide to State, not less than 30 calendar days prior to submission of the final invoice, an itemized inventory of equipment purchased with funds provided by State. The inventory shall include all items with a current estimated fair market value of more than \$5,000.00 per item. Within 60 calendar days of receipt of such inventory State shall provide Grantee with a list of the items on the inventory that State will take title to. All other items shall become the property of

Grantee. State shall arrange for delivery from Grantee of items that it takes title to. Cost of transportation, if any, shall be borne by State.

- D.18) DRUG-FREE WORKPLACE CERTIFICATION:** Certification of Compliance: By signing this Grant Agreement, Grantee, its contractors or subcontractors hereby certify, under penalty of perjury under the laws of State of California, compliance with the requirements of the Drug-Free Workplace Act of 1990 (Government Code 8350 *et seq.*) and have or will provide a drug-free workplace by taking the following actions:
- a) Publish a statement notifying employees, contractors, and subcontractors that unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited and specifying actions to be taken against employees, contractors, or subcontractors for violations, as required by Government Code Section 8355(a)(1).
 - b) Establish a Drug-Free Awareness Program, as required by Government Code Section 8355(a)(2) to inform employees, contractors, or subcontractors about all of the following:
 - i) The dangers of drug abuse in the workplace,
 - ii) Grantee's policy of maintaining a drug-free workplace,
 - iii) Any available counseling, rehabilitation, and employee assistance programs, and
 - iv) Penalties that may be imposed upon employees, contractors, and subcontractors for drug abuse violations.
 - c) Provide, as required by Government Code Sections 8355(a)(3), that every employee, contractor, and/or subcontractor who works under this Grant Agreement:
 - i) Will receive a copy of Grantee's drug-free policy statement, and
 - ii) Will agree to abide by terms of Grantee's condition of employment, contract or subcontract.
- D.19) FINAL INSPECTIONS AND CERTIFICATION OF REGISTERED PROFESSIONAL:** Upon completion of the Project, Grantee shall provide for a final inspection and certification by the appropriate registered professional (California Registered Civil Engineer or Geologist) that the Project has been completed in accordance with submitted final plans and specifications and any modifications thereto and in accordance with this Grant Agreement. Grantee shall notify the State's Project Manager of the inspection date at least 14 calendar days prior to the inspection in order to provide State the opportunity to participate in the inspection.
- D.20) GRANTEE COMMITMENTS:** Grantee accepts and agrees to comply with all terms, provisions, conditions and commitments of this Grant Agreement, including all incorporated documents, and to fulfill all assurances, declarations, representations, and statements made by the Grantee in the application, documents, amendments, and communications filed in support of its request for funding.
- D.21) GRANTEE NAME CHANGE:** Approval of the State's Program Manager is required to change the Grantee's name as listed on this Grant Agreement. Upon receipt of legal documentation of the name change the State will process an amendment. Payment of invoices presented with a new name cannot be paid prior to approval of said amendment.
- D.22) GOVERNING LAW:** This Grant Agreement is governed by and shall be interpreted in accordance with the laws of the State of California.
- D.23) INDEMNIFICATION:** Grantee shall indemnify and hold and save the State, its officers, agents, and employees, free and harmless from any and all liabilities for any claims and damages (including inverse condemnation) that may arise out of the Projects and this Agreement, including, but not limited to any claims or damages arising from planning, design, construction, maintenance and/or operation of levee rehabilitation measures for this Project and any breach of this Agreement. Grantee shall require its contractors or subcontractors to name the State, its officers, agents and employees as additional insured on their liability insurance for activities undertaken pursuant to this Agreement.
- D.24) INDEPENDENT CAPACITY:** Grantee, and the agents and employees of Grantees, in the performance of the Grant Agreement, shall act in an independent capacity and not as officers, employees, or agents of the State.

- D.25) **INSPECTION OF BOOKS, RECORDS, AND REPORTS:** During regular office hours, each of the parties hereto and their duly authorized representatives shall have the right to inspect and to make copies of any books, records, or reports of either party pertaining to this Grant Agreement or matters related hereto. Each of the parties hereto shall maintain and shall make available at all times for such inspection accurate records of all its costs, disbursements, and receipts with respect to its activities under this Grant Agreement. Failure or refusal by Grantee to comply with this provision shall be considered a breach of this Grant Agreement, and State may withhold disbursements to Grantee or take any other action it deems necessary to protect its interests.
- D.26) **INSPECTIONS OF PROJECT BY STATE:** State shall have the right to inspect the work being performed at any and all reasonable times during the term of the Grant Agreement. This right shall extend to any subcontracts, and Grantee shall include provisions ensuring such access in all its contracts or subcontracts entered into pursuant to its Grant Agreement with State.
- D.27) **INVOICE DISPUTES:** In the event of an invoice dispute, payment will not be made until the dispute is resolved and a corrected invoice submitted. Failure to use the address exactly as provided may result in return of the invoice to the Grantee. Payment shall be deemed complete upon deposit of the payment, properly addressed, postage prepaid, in the United States mail. Any claim that Grantee may have regarding the performance of this Grant Agreement including, but not limited to claims for additional compensation or extension of time, shall be submitted to the DWR Project Manager within thirty (30) calendar days of Grantee's knowledge of the claim. State and Grantee shall then attempt to negotiate a resolution of such claim and process an amendment to the Grant Agreement to implement the terms of any such resolution.
- D.28) **LABOR CODE COMPLIANCE:** The Grantee will be required to keep informed of and take all measures necessary to ensure compliance with applicable California Labor Code requirements, including, but not limited to, Section 1720 *et seq.* of the California Labor Code regarding public works, limitations on use of volunteer labor (California Labor Code Section 1720.4), labor compliance programs (California Labor Code Section 1771.5) and payment of prevailing wages for work done and funded pursuant to these Guidelines, including any payments to the Department of Industrial Relations under Labor Code Section 1771.3.
- D.29) **MODIFICATION OF OVERALL WORK PLAN:** At the request of the Grantee, the State may at its sole discretion approve non-material changes to the portions of Exhibit A which concern the budget and schedule without formally amending this Grant Agreement. Non-material changes with respect to the budget are changes that only result in reallocation of the budget and will not result in an increase in the amount of the State Grant Agreement. Non-material changes with respect to each Project schedule are changes that will not extend the term of this Grant Agreement. Requests for non-material changes to the budget and schedule must be submitted by the Grantee to the State in writing and are not effective unless and until specifically approved by the State's Project Manager in writing.
- D.30) **NONDISCRIMINATION:** During the performance of this Grant Agreement, Grantee and its contractors or subcontractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex (gender), sexual orientation, race, color, ancestry, religion, creed, national origin (including language use restriction), pregnancy, physical disability (including HIV and AIDS), mental disability, medical condition (cancer/genetic characteristics), age (over 40), marital status, and denial of medial and family care leave or pregnancy disability leave. Grantee and its contractors or subcontractors shall ensure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. Grantee and its contractors or subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Gov. Code §12990 (a-f) *et seq.*) and the applicable regulations promulgated there under (California Code of Regulations, Title 2, Section 7285 *et seq.*). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 (a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations, are incorporated into this Agreement by reference and made a part hereof as if set forth in full. Grantee and its contractors or subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement.

Grantee shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the Grant Agreement.

- D.31) **NO DISCRIMINATION AGAINST DOMESTIC PARTNERS:** For contracts over \$100,000 executed or amended after January 1, 2007, the Grantee certifies by signing this Grant Agreement, under penalty of perjury under the laws of State of California that Grantee is in compliance with Public Contract Code section 10295.3.
- D.32) **OPINIONS AND DETERMINATIONS:** Where the terms of this Grant Agreement provide for action to be based upon, judgment, approval, review, or determination of either party hereto, such terms are not intended to be and shall never be construed as permitting such opinion, judgment, approval, review, or determination to be arbitrary, capricious, or unreasonable.
- D.33) **PERFORMANCE AND ASSURANCES:** Grantee agrees to faithfully and expeditiously perform or cause to be performed all Project work as described in Exhibit A, "Work Plan" and to apply State funds received only to Eligible Project Costs in accordance with applicable provisions of the law.
- D.34) **PRIORITY HIRING CONSIDERATIONS:** If this Grant Agreement includes services in excess of \$200,000, the Grantee shall give priority consideration in filling vacancies in positions funded by the Grant Agreement to qualified recipients of aid under Welfare and Institutions Code Section 11200 in accordance with Pub. Contract Code §10353.
- D.35) **PROHIBITION AGAINST DISPOSAL OF PROJECT WITHOUT STATE PERMISSION:** The Grantee shall not sell, abandon, lease, transfer, exchange, mortgage, hypothecate, or encumber in any manner whatsoever all or any portion of any real or other property necessarily connected or used in conjunction with the Projects, or with Grantee's service of water, without prior permission of State. Grantee shall not take any action, including but not limited to actions relating to user fees, charges, and assessments that could adversely affect the ability of Grantee to meet its obligations under this Grant Agreement, without prior written permission of State. State may require that the proceeds from the disposition of any real or personal property be remitted to State.
- D.36) **REMEDIES NOT EXCLUSIVE:** The use by either party of any remedy specified herein for the enforcement of this Grant Agreement is not exclusive and shall not deprive the party using such remedy of, or limit the application of, any other remedy provided by law.
- D.37) **RETENTION:** Notwithstanding any other provision of this Grant Agreement, State shall, for each project, withhold five percent (5.0%) until January 1, 2018 and ten percent (10.0%), thereafter, of the funds requested by Grantee for reimbursement of Eligible Costs. Each project in this Grant Agreement will be eligible to release its respective retention when that project is completed and Grantee has met requirements of Paragraph 19, "Submissions of Reports" as follows: At such time as the "Project Completion Report" required under Paragraph 19 is submitted to and approved by State, State shall disburse the retained funds as to that project to Grantee, except in the case of the last project to be completed under this Grant Agreement, in which case retention for such project will not be disbursed until the "Grant Completion Report" is submitted to and approved by State.
- D.38) **RIGHTS IN DATA:** Grantee agrees that all data, plans, drawings, specifications, reports, computer programs, operating manuals, notes and other written or graphic work produced in the performance of this Grant Agreement shall be made available to the State and shall be in the public domain to the extent to which release of such materials is required under the California Public Records Act., Cal. Gov't Code §6250 *et seq.* Grantee may disclose, disseminate and use in whole or in part, any final form data and information received, collected and developed under this Grant Agreement, subject to appropriate acknowledgement of credit to State for financial support. Grantee shall not utilize the materials for any profit-making venture or sell or grant rights to a third party who intends to do so. The State shall have the right to use any data described in this paragraph for any public purpose.
- D.39) **SEVERABILITY:** Should any portion of this Grant Agreement be determined to be void or unenforceable, such shall be severed from the whole and the Grant Agreement shall continue as modified.

- D.40) **STATE REVIEWS:** The parties agree that review or approval of project applications, documents, permits, plans, and specifications or other project information by the State is for administrative purposes only and does not relieve the Grantee of their responsibility to properly plan, design, construct, operate, maintain, implement, or otherwise carry out the projects.
- D.41) **SUSPENSION OF PAYMENTS:** This Grant Agreement may be subject to suspension of payments or termination, or both, and Grantee may be subject to debarment if the State determines that:
- a) Grantee, its contractors, or subcontractors have made a false certification, or
 - b) Grantee, its contractors, or subcontractors violates the certification by failing to carry out the requirements noted in this Grant Agreement.
- D.42) **SUCCESSORS AND ASSIGNS:** This Grant Agreement and all of its provisions shall apply to and bind the successors and assigns of the parties. No assignment or transfer of this Grant Agreement or any part thereof, rights hereunder, or interest herein by the Grantee shall be valid unless and until it is approved by State and made subject to such reasonable terms and conditions as State may impose.
- D.43) **TERMINATION BY GRANTEE:** Subject to State approval which may be reasonably withheld, Grantee may terminate this Agreement and be relieved of contractual obligations. In doing so, Grantee must provide a reason(s) for termination. Grantee must submit all progress reports summarizing accomplishments up until termination date.
- D.44) **TERMINATION FOR CAUSE:** Subject to the right to cure under Paragraph 14, the State may terminate this Grant Agreement and be relieved of any payments should Grantee fail to perform the requirements of this Grant Agreement at the time and in the manner herein, provided including but not limited to reasons of default under Paragraph 14.
- D.45) **TERMINATION WITHOUT CAUSE:** The State may terminate this Agreement without cause on 30 days advance written notice. The Grantee shall be reimbursed for all reasonable expenses incurred up to the date of termination.
- D.46) **THIRD PARTY BENEFICIARIES:** The parties to this Agreement do not intend to create rights in, or grant remedies to, any third party as a beneficiary of this Agreement, or any duty, covenant, obligation or understanding established herein.
- D.47) **TIMELINESS:** Time is of the essence in this Grant Agreement.
- D.48) **TRAVEL:** Grantee agrees that travel and per diem costs shall NOT be eligible for reimbursement with State funds, and shall NOT be eligible for computing Grantee cost match. Travel includes the costs of transportation, subsistence, and other associated costs incurred by personnel during the term of this Grant Agreement.
- D.49) **WAIVER OF RIGHTS:** None of the provisions of this Grant Agreement shall be deemed waived unless expressly waived in writing. It is the intention of the parties here to that from time to time either party may waive any of its rights under this Grant Agreement unless contrary to law. Any waiver by either party of rights arising in connection with the Grant Agreement shall not be deemed to be a waiver with respect to any other rights or matters, and such provisions shall continue in full force and effect.
- D.50) **WORKERS' COMPENSATION:** Grantee affirms that it is aware of the provisions of Section 3700 of the California Labor Code, which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and Grantee affirms that it will comply with such provisions before commencing the performance of the work under this Grant Agreement and will make its contractors and subcontractors aware of this provision.

EXHIBIT E
AUTHORIZING RESOLUTION

RESOLUTION OF THE BOARD OF SUPERVISORS OF THE
COUNTY OF LOS ANGELES, CALIFORNIA, ACTING AS THE GOVERNING BODY
OF THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT,
APPROVING THE FILING OF APPLICATIONS FOR INTEGRATED REGIONAL
WATER MANAGEMENT IMPLEMENTATION GRANTS

WHEREAS, the Legislature and the Governor of the State of California have provided funds for the Integrated Regional Water Management Grant Program pursuant to the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Act of 2006 (Proposition 84); and

WHEREAS, the Legislature and the Governor of the State of California have enacted Senate Bill 104 to provide funds for the Integrated Regional Water Management Grant Program Proposition 84 Round 3 Part 1 (Drought Relief) and Part 2; and

WHEREAS, this grant program is administered by the California Department of Water Resources; and

WHEREAS, the California Department of Water Resources requires the governing body of a grant applicant to designate, by Resolution, an authorized representative for filing grant applications and executing Grant Agreements; and

WHEREAS, the Los Angeles County Flood Control District (LACFCD) intends to submit an application for Proposition 84 Round 3 Implementation Grant funds in the maximum amount allowable (not-to-exceed \$96,340,789.00) for projects under the Integrated Regional Water Management Grant Program on behalf of local entities in the Greater Los Angeles County Region; and

WHEREAS, the Regional Water Management Group for the Greater Los Angeles County Integrated Regional Water Management Group will identify projects in the Greater Los Angeles County Region to be included in the LACFCD's Implementation Grant Proposal.

NOW, THEREFORE, BE IT RESOLVED, by the Board of Supervisors of the County of Los Angeles, acting as the governing body of the LACFCD:

1. That an application be made to the California Department of Water Resources on behalf of the local entities to obtain Integrated Regional Water Management Implementation Grants pursuant to the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Act of 2006 for the implementation of projects that protect communities from drought, conserve and improve water quality, restore habitat, and reduce dependency on imported water.

2. That the Board of Supervisors authorizes and directs the Chief Engineer of the LACFCD or her designee to file such applications for Implementation Grant funds and designates the Chief Engineer or her designee to act as the authorized representative of the LACFCD when conducting business with the California Department of Water Resources on any and all matters related to these grants, including negotiating and executing the grant agreements and any amendments and signing requests for payment/reimbursement.

The foregoing Resolution was adopted on the 13th day of May, 2014, by the Board of Supervisors of the County of Los Angeles acting as the governing body of the LACFCD.



SACHI A. HAMAI
Executive Officer of the
Board of Supervisors of the
County of Los Angeles



By Carla Little
Deputy

APPROVED AS TO FORM:

JOHN F. KRATTLI
County Counsel

By [Signature]
Senior Associate

RP:av
P:\wmpub\Secretarial\2014 Documents\Board Letters\Prop 84 Rd 3\Enclosure.doc

**EXHIBIT F
LOCAL PROJECT SPONSORS**

Grantee has assigned, for each project, a Local Project Sponsor according to the roles of the participating agencies identified in the IRWM Plan. Local Project Sponsors may act on behalf of Grantee for the purposes of individual project management, oversight, compliance, and operations and maintenance. Local Project Sponsors are identified for each Sponsored Project below:

| Local Project Sponsor Agency Designations | | |
|--|---|---|
| Sponsored Project | Sponsor Agency | Agency Address |
| Project 1 – Grant Agreement Administration | Los Angeles County Flood Control District | 900 South Fremont Avenue Alhambra, CA 91803 |
| Project 2 – Mission Wells Improvement Project | Los Angeles Department of Water and Power | 111 North Hope Street, Room 1460 Los Angeles, CA 90012 |
| Project 3 – Manhattan Wells Improvement Project | Los Angeles Department of Water and Power | 111 North Hope Street, Room 1460 Los Angeles, CA 90012 |
| Project 4 – TIWRP Advanced Water Purification Facility and Distribution System Expansion Project | Los Angeles Department of Water and Power | 111 North Hope Street, Room 1460 Los Angeles, CA 90012 |
| Project 5 – Recycled Water Turnouts Project | Water Replenishment District of Southern California | 4040 Paramount Blvd Lakewood, CA 90712 |
| Project 6 – Goldsworthy Desalter Expansion Project | City of Torrance | 3031 Torrance Blvd Torrance, CA 90503 |
| Project 7 – Be A Water Saver Project | City of Burbank Water and Power | 164 West Magnolia Blvd Burbank, CA 91503 |
| Project 8 – On-Site Recycled Water Retrofits Project | West Basin Municipal Water District | 17140 South Avalon Blvd. Suite 210 Carson, CA 90746 |
| Project 9 – UGVMWD Recycled Water Program Expansion Project | Upper San Gabriel Valley Municipal Water District | 602 E. Huntington Drive, Suite B Monrovia, CA 91016 |
| Project 10 – West Coast Basin Barrier Project Unit 12 Injection and Observations Wells Project | Los Angeles County Flood Control District | 900 South Fremont Avenue Alhambra, CA 91803 |
| Project 11 – Rockhaven Well Project | Crescenta Valley Water District | 2700 Foothill Blvd La Crescenta, CA 91214 |
| Project 12 – Water Budget Based Rate Implementation Project | Las Virgenes Municipal Water District | 4232 Las Virgenes Road Calabasas, CA 94132 |
| Project 13 – Well No.2 Rehabilitation Project | City of Inglewood | 1 West Manchester Blvd Inglewood, CA 90301 |
| Project 14 – Pomona Basin Regional Groundwater Project | Puente Basin Water Agency | 271 South Brea Canyon Road Walnut, CA 91789 |

EXHIBIT G
REPORT FORMATS AND REQUIREMENTS

The following reporting formats should be utilized. Please obtain State approval prior to submitting a report in an alternative format.

PROGRESS REPORTS

Progress reports shall generally use the following format. This format may be modified as necessary to effectively communicate information. For each project, discuss the following at the task level, as organized in Exhibit A Work Plan:

- Percent complete estimate.
- Discussion of work accomplished during the reporting period.
- Milestones or deliverables completed/submitted during the reporting period.
- Scheduling concerns and issues encountered that may delay completion of the task.

For each project, discuss the following at the project level, as organized in Exhibit A Work Plan:

- Work anticipated for the next reporting period.
- Photo documentation, as appropriate.
- Any schedule or budget modifications approved by DWR during the reporting period.

PROJECT COMPLETION REPORT

Project Completion Reports shall generally use the following format.

Executive Summary

Should include a brief summary of project information and include the following items:

- Brief description of work proposed to be done in the original Grant application.
- Description of actual work completed and any deviations from Exhibit A. List any official amendments to this Grant Agreement, with a short description of the amendment.

Reports and/or Products

The following items should be provided:

- Final Evaluation report
- Electronic copies of any data collected, not previously submitted
- As-built drawings
- Final geodetic survey information
- Self-Certification that the Project meets the stated goal of the Grant Agreement (e.g. 100-year level of flood protection, HMP standard, PI-84-99, etc.)
- Project photos
- Discussion of problems that occurred during the work and how those problems were resolved
- A final project schedule showing actual progress versus planned progress

Costs and Dispositions of Funds

A list of showing:

- The date each invoice was submitted to State
- The amount of the invoice
- The date the check was received
- The amount of the check (If a check has not been received for the final invoice, then state this in this section.)
- A summary of the payments made by the Grantee for meeting its cost sharing obligations under this Grant Agreement.

- A summary of final funds disbursement including:
 - Labor cost of personnel of agency/ major consultant /sub-consultants. Indicate personnel, hours, rates, type of profession and reason for consultant, i.e., design, CEQA work, etc.
 - Project cost information, shown by material, equipment, labor costs, and any change orders
 - Any other incurred cost detail
 - A statement verifying separate accounting of funding disbursements
- Summary of project cost including the following items:
 - Accounting of the cost of project expenditure;
 - Include all internal and external costs not previously disclosed; and
 - A discussion of factors that positively or negatively affected the project cost and any deviation from the original project cost estimate.

Additional Information

- Benefits derived from the project, with quantification of such benefits provided, if applicable.
- A final project schedule showing actual progress verse planned progress as shown in Exhibit B.
- Certification from a California Registered Professional (Civil Engineer or Geologist, as appropriate) that the project was conducted in accordance with the approved work plan and any approved modifications thereto.
- Submittal schedule for the Post Performance Report and an outline of the proposed reporting format.

GRANT COMPLETION REPORT

The Grant Completion Report shall generally use the following format. This format may be modified as necessary to effectively communicate information on the various projects in the IRWM Program funded by this Grant Agreement, and includes the following:

Executive Summary

The Executive Summary consists of a maximum of twenty (20) pages summarizing information for the grant as well as the individual projects.

Reports and/or products

- Summary of the regional priorities, objectives, and water management strategies of the IRWM Plan.
- Brief comparison of work proposed in the original Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 IRWM Implementation Grant application and actual work done.
- Brief description of the projects completed and how they will further the goals identified in the Agency's final approved IRWM Plan.
- Describe how the implemented projects will meet the regional priorities identified in the final approved IRWM Plan and how the projects contribute to regional integration.
- Identify remaining work and mechanism for their implementation.
- Identify any changes to the IRWM Plan as result of project implementation.
- If applicable, a short discussion on how the IRWM Plan will assist in reducing dependence on Delta water supplies.
- If applicable, a discussion of the critical water supply or water quality benefits to DAC as part of this Grant Agreement

Cost & Disposition of Funds Information

- A summary of final funds disbursement for each project.

Additional Information

- A final schedule showing individual project's actual progress duration verse planned progress.
- Certification from a California Registered Professional (Civil Engineer or Geologist, as appropriate) that the Program was conducted in accordance with the approved work plan and any approved modifications thereto. Discussion of the synergies of the completed projects, including the

integration of project benefits and a comparison of actual benefits versus those discussed in the original proposal.

- Submittal schedule for the Post Performance Reports for each of the projects in this Grant Agreement.

POST-PERFORMANCE REPORT

Reports should be concise, and focus on how (each/the) project is actually performing compared to its expected performance; whether the project is being operated and maintained, and providing intended benefits as proposed.

Reports and/or products

- Time period of the annual report (i.e., Oct 2014 through September 2015)
- Short project description
- Discussion of the project benefits
- An assessment of any explanations for any differences between the expected versus actual project benefits in meeting IRWM priorities as stated in the original IRWM Implementation Grant application. Where applicable, the reporting should include quantitative metrics, i.e., new acre-feet of water produced that year, acres of wildlife habitat added, etc.
- Summary of any additional costs and/or benefits deriving from the project since its completion, if applicable
- Continued reporting on meeting the Output Indicators and Targets discussed in the Project Monitoring Plan discussed in Paragraph 21 of this Grant Agreement
- Any additional information relevant to or generated by the continued operation of the project

EXHIBIT H
REQUIREMENTS FOR STATEWIDE MONITORING AND DATA SUBMITTAL

Surface and Groundwater Quality Data

Groundwater quality and ambient surface water quality monitoring data that include chemical, physical, or biological data shall be submitted to the State as described below, with a narrative description of data submittal activities included in project reports, as described in Exhibit G.

Surface water quality monitoring data shall be prepared for submission to the California Environmental Data Exchange Network (CEDEN). The CEDEN data templates are available on the CEDEN website. Inclusion of additional data elements described on the data templates is desirable. Data ready for submission should be uploaded to your CEDEN Regional Data Center via the CEDEN website. CEDEN website: <http://www.ceden.org>.

If a project's Work Plan contains a groundwater ambient monitoring element, groundwater quality monitoring data shall be submitted to the State for inclusion in the State Water Resources Control Board's Groundwater Ambient Monitoring and Assessment (GAMA) Program. Information on the GAMA Program can be obtained at: http://www.waterboards.ca.gov/water_issues/programs/gama/. If further information is required, the Grantee can contact the State Water Resources Control Board (SWRCB) GAMA Program. A listing of SWRCB staff involved in the GAMA program can be found at: http://www.swrcb.ca.gov/water_issues/programs/gama/contact.shtml

Groundwater Level Data

Grantee shall submit to DWR groundwater level data collected as part of this grant. Water level data must be submitted using the California Statewide Groundwater Elevation Monitoring (CASGEM) online data submission system. Grantee should use their official CASGEM Monitoring Entity or Cooperating Agency status to gain access to the online submittal tool and submit data. If the data is from wells that are not part of the monitoring network, the water level measurements should be classified as voluntary measurements in the CASGEM system. If the grantee is not a Monitoring Entity or Cooperating Agency, please contact your DWR grant project manager for further assistance with data submittal. The activity of data submittal should be documented in appropriate progress or final project reports, as described in Exhibit G. Information regarding the CASGEM program can be found at <http://www.water.ca.gov/groundwater/casgem/>.

EXHIBIT I
STATE AUDIT DOCUMENT REQUIREMENTS AND FUNDING MATCH GUIDELINES
FOR GRANTEES

State Audit Document Requirements

The list below details the documents/records that State Auditors typically reviewed in the event of a Grant Agreement being audited. Grantees should ensure that such records are maintained for each State funded Program/Project. Where applicable, this list of documents also includes documents relating to the Grantee's funding match which will be required for audit purposes.

Internal Controls:

1. Organization chart (e.g., Agency's overall organization chart and organization chart for this Grant Agreement's funded project).
2. Written internal procedures and flowcharts for the following:
 - a) Receipts and deposits
 - b) Disbursements
 - c) State reimbursement requests
 - d) State funding expenditure tracking
 - e) Guidelines, policy(ies), and procedures on State funded Program/Project
3. Audit reports of the Grantee's internal control structure and/or financial statements within the last two years.
4. Prior audit reports on State funded Program/Project.

State Funding:

1. Original Grant Agreement, any amendment(s) and budget modification documents.
2. A list of all bond-funded grants, loans or subventions received from the State.
3. A list of all other funding sources for each Program/Project.

Contracts:

1. All subcontractor and consultant contracts and related, if applicable.
2. Contracts between the Grantee, member agencies, and project partners as related to the State funded Program/Project.

Invoices:

1. Invoices from vendors and subcontractors for expenditures submitted to the State for payments under the Grant Agreement.
2. Documentation linking subcontractor invoices to State reimbursement requests and related Grant Agreement budget line items.
3. Reimbursement requests submitted to the State for the Grant Agreement.

Cash Documents:

1. Receipts (copies of warrants) showing payments received from the State.
2. Deposit slips or bank statements showing deposit of the payments received from the State.
3. Cancelled checks or disbursement documents showing payments made to vendors, subcontractors, consultants, and/or agents under the Grant Agreement.

Accounting Records:

1. Ledgers showing receipts and cash disbursement entries for State funding.
2. Ledgers showing receipts and cash disbursement entries of other funding sources.
3. Bridging documents that tie the general ledger to reimbursement requests submitted to the State for the Grant Agreement

Administration Costs:

1. Supporting documents showing the calculation of administration costs.

Personnel:

1. List of all contractors and Grantee staff that worked on the State funded Program/Project.
2. Payroll records including timesheets for contractor staff and the Grantee's

Project Files:

1. All supporting documentation maintained in the Program/Project files.
2. All Grant Agreement related correspondence.

Funding Match Guidelines

Funding Match consists of non-State funds including in-kind services. In-kind services are defined as work performed or items contributed (i.e., dollar value of non-cash contributions) by the Grantee (and potentially other parties involved) directly related to the execution of Exhibit A "Work Plan" (examples: volunteer services, equipment use, and facilities). The cost of in-kind service can be counted as funding match in-lieu of actual funds (or revenue) provided by the Grantee. Other funding match and in-kind service eligibility conditions may apply. Provided below is guidance for documenting funding match with and without in-kind services.

1. Although tracked separately, in-kind services shall be documented and, to the extent feasible, supported by the same methods used by the Grantee for its own employees. Such documentation should include the following:
 - a. Detailed description of the contributed item(s) or service(s)
 - b. Purpose for which the contribution was made (tied to Grant Agreement Exhibit A "Work Plan")
 - c. Name of contributing organization and date of contribution
 - d. Real or approximate value of contribution. Who valued the contribution and how the value was determined? (e.g., actual, appraisal, fair market value, etc.). Justification of rate. (See item #2, below)
 - e. For contributed labor, the person's name, the work performed, the number of hours contributed, and the pay rate applied
 - f. If multiple sources exist, these should be summarized on a table with summed charges
 - g. Source of contribution and whether it was provided by, obtained with, or supported by government funds
2. Rates for volunteer or in-kind services shall be consistent with those paid for similar work in the Grantee's organization. For example, volunteer service of clearing vegetation performed by an attorney shall be valued at a fair market value for this service, not the rate for professional legal services. In those instances in which the required skills are not found in the recipient organization, rates shall be consistent with those paid for similar work in the labor market. Paid fringe benefits that are reasonable, allowable and allocable may be included in the valuation.
3. Funding match contribution (including in kind services) shall be for costs and services directly attributed to activities included in the Grant Agreement Work Plan. These services, furnished by professional and technical personnel, consultants, and other skilled and unskilled labor may be counted as in-kind if the activities are an integral and necessary part of the State funded Program/Project under the Grant Agreement.
4. Cash contributions made to a Program/Project shall be documented as revenue and in-kind services as expenditure. These costs should be tracked separately in the Grantee's accounting systems.

EXHIBIT J
PROJECT MONITORING PLAN GUIDANCE

Introduction

Please include a brief description of the project (maximum ~150 words) including project location, implementation elements, and need for project (what problem will the project address).

Project Monitoring Plan Components

The Project Monitoring Plan should contain responses to the following questions:

- What are the anticipated project physical benefits?
- What are the corresponding numeric targets for each project benefit?
- How will proposed numeric targets be measured?
- What are baseline conditions?
- When will the targets be met (upon project completion, five years after completion, etc.)
- How often will monitoring be undertaken (monthly yearly, etc.).
- Where are monitoring point locations (ex: meter located at..., at stream mile...)? Include relevant maps.
- How will the project be maintained (ex: irrigation, pest management, weed abatement..)?
- What will be the frequency and duration of maintenance proposed activities?
- Are there any special environmental considerations (e.g., resource agency requirements, permit requirements, CEQA/NEPA mitigation measures)?
- Who is responsible for collecting the samples (who is conducting monitoring and/or maintenance)?
- How, and to whom, will monitoring results be reported (e.g.,: paper reports, online databases, public meetings)?
- What adaptive management strategies will be employed if problems are encountered during routine monitoring or maintenance?
- What is the anticipated life of the project?