

**GRANT AGREEMENT BETWEEN THE STATE OF CALIFORNIA (DEPARTMENT OF WATER RESOURCES) AND
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
AGREEMENT NUMBER 4600011488
2015 PROPOSITION 84 INTEGRATED REGIONAL WATER MANAGEMENT (IRWM) IMPLEMENTATION 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 §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 **March 31, 2021**, 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.
3. GRANT AMOUNT. The maximum amount payable by the State under this Grant Agreement shall not exceed **\$27,742,975**.
4. GRANTEE COST SHARE. Grantee agrees to fund the difference between the Total Project Cost and the Grant Amount (amount specified in Paragraph 3). Grantee Cost Share consists of Funding Match and Additional Cost Share, as documented in **Exhibit B** (Budget). 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 and Funding Match Guidelines for Grantees).
5. FUNDING MATCH. Grantee is required to provide a Funding Match (non-State funds) of not less than 25 percent of the Grand Total of all the total project costs unless a Disadvantaged Community project waiver is granted. Grantee agrees to provide a Funding Match for the amount as documented in **Exhibit B** (Budget), and may include expenses directly related to **Exhibit A** (Work Plan) after **January 1, 2011**.
6. 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.
7. 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 Region IRWM Implementation Grant Proposal, August 2015** 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.
8. 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 and submitting an Audited Financial Statement Summary for each Local Project Sponsor.
- b) Grantee must demonstrate compliance with the groundwater compliance options set forth on pages 14 and 15 of the IRWM Program Guidelines, dated May 2015.
- c) Grantee submits deliverables as specified in Paragraph 19 of this Grant Agreement and in **Exhibit A**.
- d) 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 project 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."

9. **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.
10. **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 Grant 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 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 that is 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.

11. METHOD OF PAYMENT.

- a) **Reimbursement** – Grantee shall submit a copy of invoice for costs incurred and supporting documentation to the DWR Project Manager via Grant Review and Tracking System (GRANTS). Additionally, the original invoice form with signature and date (in ink) of Grantee's Project Representative, as indicated on **page 10** of this Grant Agreement, must be sent to the DWR Project Manager for approval. Invoices submitted via GRANTS shall include the following information:
 - 1) Costs incurred for work performed in implementing the project(s) during the period identified in the particular invoice.
 - 2) Costs incurred for any interests in real property (land or easements) that have been necessarily acquired for the project(s) during the period identified in the particular invoice for the implementation of a project.
 - 3) Invoices shall be submitted on forms provided by State and shall meet the following format requirements:
 - i) Invoices must contain the date of the invoice, the time period covered by the invoice, and the total amount due.
 - ii) 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).
 - iii) 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.
 - iv) 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). After the disbursement requirements in Paragraph 8 "Basic Conditions" are met, State will disburse the whole or portions of State funding to Grantee, following receipt from Grantee via U.S. 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.
- b) **Advanced Payment** – Water Code § 10551 authorizes advance payment by State for projects which are sponsored by a nonprofit organization; a disadvantaged community (DAC); or, the proponent of a project that benefits a DAC. If these projects are awarded less than \$1,000,000 in grant funds, the project proponent may receive an advanced payment of 50% of the grant award; the remaining 50% of the grant award will be reimbursed in arrears. Within 90 calendar days of execution of the Grant Agreement, the Grantee shall provide DWR an Advanced Payment Request. The Advanced Payment Request must contain the following:
 - 1) Documentation demonstrating that each Local Project Sponsor was notified about their eligibility to receive an advanced payment and a response from the Local Project Sponsor stating whether it wishes to receive the advanced payment or not.

- 2) If the Local Project Sponsor is requesting the advanced payment, the request must also include:
 - i) A funding plan which shows how the advanced funds will be expended within 18 months of this Grant Agreement's execution. (i.e., for what, how much, and when)
 - ii) A discussion of the Local Project Sponsor's financial capacity to complete the project once the advanced funds have been expended.
- 3) If an Local Project Sponsor is requesting advanced payment, Grantee shall also submit a single Advance Payment invoice, containing the request for each qualified project, to the DWR Project Manager with signature and date (in ink) of Grantee's Project Representative, as indicated on **page 10** of this Agreement. The Grantee shall be responsible for the timely distribution of the advanced funds to the individual Local Project Sponsors. Within 60 calendar days of receiving the Advanced Payment invoice and subject to the availability of funds, State will authorize payment of the advanced funds sought of 50% of the grant award for the qualified project(s).

The Advance Payment Invoice shall be submitted on forms provided by State and shall meet the following format requirements:

- 1) Invoice must contain the date of the invoice, the time period covered by the invoice, and the total amount due.
- 2) Invoice must be itemized based on the categories (i.e., tasks) specified in **Exhibit B**.
- 3) DWR Project Manager will notify Grantee, in a timely manner, when, upon review of an Advance Payment Invoice, the State determines that any portion or portions of the costs claimed are not eligible costs. Grantee may, within thirty (30) calendar days of the date of receipt of such notice, submit additional documentation to cure such deficiency(ies). After the disbursement requirements in Paragraph 8 "Basic Conditions" (8a) and 8b) only) 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 Progress Reports as required by Paragraph 19 "Submission of Reports."

On a quarterly basis, the Grantee will submit an Accountability Report to DWR that demonstrates how actual expenditures compare with the scheduled budget. The Accountability Report shall include the following information:

- 1) An itemization of how advanced funds have been expended to date (Expenditure Summary), including documentation that supports the expenditures (e.g. contractor invoices, receipts, personnel hours, etc.). Invoices must be itemized based on the categories (i.e., tasks) specified in **Exhibit B**.
- 2) A funding plan which shows how the remaining advanced funds will be expended.
- 3) Documentation that the funds were placed in a non-interest bearing account, including the dates of deposits and withdrawals from that account.

DWR Project Manager will notify Grantee, in a timely manner, when, upon review of the Expenditure Summary, the State determines that any portion or portions of the expenditures claimed are not eligible costs. Grantee may, within thirty (30) calendar days of the date of receipt of such notice, submit additional documentation to cure such deficiency(ies). If costs are not consistent with the tasks in **Exhibit B**, the State will reject the claim and remove them from the Expenditure Summary.

Once Grantee has expended all advanced funds, then the method of payment will revert to the reimbursement process specified in Paragraph 11 a) and any remaining requirements of Paragraph 8.

12. REPAYMENT OF ADVANCES. State may demand repayment from Grantee of all or any portion of the advanced State funding along with interest at the California general obligation bond interest rate at the time the State notifies the Grantee, as directed by State and take any other action that it deems necessary to protect its interests for the following conditions:
 - a) A project is not being implemented in accordance with the provisions of this Grant Agreement.
 - b) 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.

Repayment amounts may also include:

- c) Advance funds which have not been expended within 18 months of the Grant Agreement's execution by the Local Project Sponsor.
- d) Actual costs incurred are not consistent with the **Exhibit A** (Work Plan) activities, not supported, or are ineligible.
- e) At the completion of the project, the funds have not been expended.

For conditions 12c) and 12d), repayment may consist of deducting the amount from future reimbursement invoices.

State may consider Grantee's refusal to repay the requested advanced amount a substantial breach of this Grant Agreement subject to the default provisions in Paragraph 14, "Default Provisions." If State notifies Grantee of its decision to demand repayment or 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.

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:
- a) 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.
 - b) Making any false warranty, representation, or statement with respect to this Grant Agreement or the application filed to obtain this Grant Agreement.
 - c) Failure to maintain an adopted IRWM Plan that meets the requirements contained in Part 2.2 of Division 6 of the CWC, commencing with § 10530.
 - d) Failure to operate or maintain project(s) in accordance with this Grant Agreement (Paragraph 20).
 - e) Failure to make any remittance required by this Grant Agreement.
 - f) Failure to comply with Labor Compliance Program requirements (Paragraph 18).
 - g) Failure to submit timely progress reports.
 - h) Failure to routinely invoice State.
 - i) 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:

- a) Declare the funding be immediately repaid, with interest, at the California general obligation bond interest rate at the time the State notifies the Grantee of the default.
- b) Terminate any obligation to make future payments to Grantee.

- c) Terminate the Grant Agreement.
- d) 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:

- a) An urban water supplier that receives grant funds governed by this Grant Agreement shall:
 - 1) Maintain compliance with the Urban Water Management Planning (UWMP) Act (Water Code §10610 *et seq.*) and Sustainable Water Use and Demand Reduction, Part 2.55 of Division 6 (Water Code §10608 *et seq.*). Urban water suppliers that submitted AB 1420 compliance Table 2 in the 2015 Implementation Grant Application must submit, until June 30, 2016, either:
 - i) List of tasks to implement the best management practices listed in AB 1420 compliance Table 2 and a corresponding schedule and budget or;
 - ii) The progress toward the 2015 interim Gallons 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 Water Code §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 Water Code §10608.24. Starting June 30, 2017, those urban water suppliers that did not meet their 2015 GPCD target must also submit, by June 30, annual reports that include a schedule, financing plan, and budget for achieving the GPCD (Water Code §10608.24).

- 2) Have their 2010 UWMP deemed consistent by DWR. The 2015 UWMP update must be submitted to DWR by July 1, 2016. If the 2015 UWMP is not submitted to DWR by July 1, 2016, funding disbursements to the urban water supplier will cease until the 2015 UWMP is submitted. If the 2015 UWMP is deemed inconsistent by DWR, the urban water supplier will be ineligible to receive funding disbursements until the inconsistencies are addressed and DWR deems the UWMP consistent. 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 Water Code. Before July 1, 2016, submit a schedule, financing plan, and budget for implementation of the efficient water management practices, required pursuant to Water Code §10608.48.
 - 2) Have their Agricultural Water Management Plan (AWMP) deemed consistent by DWR. The most recent AWMP update must have been submitted to DWR by December 31, 2015. To maintain eligibility and continue funding disbursements, an agricultural water supply must have their 2015 AWMP deemed consistent by DWR on or before October 1, 2016. For more information, visit the following website: <http://www.water.ca.gov/wateruseefficiency/agricultural/agmgmt.cfm>.
- c) Grantees diverting surface water must maintain compliance with diversion reporting requirements as outlined in Part 5.1 of Division 2 of the Water Code.
- d) Projects with potential groundwater impacts must demonstrate compliance with the groundwater compliance options set forth on pages 14 and 15 of the IRWM Program Guidelines, dated May 2015.
- 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 Water Code §10920 and the CASGEM Program.

16. PERMITS, LICENSES, APPROVALS, AND LEGAL OBLIGATIONS. Grantee and Local Project Sponsors 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 and Local Project Sponsors 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 §1771.5 for projects funded by:
- Proposition 84 (Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006; Public Resources Code §75075 *et seq.*) or
 - 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. 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** (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.
 - Accountability Report: Grantee shall submit, on a quarterly basis, an Accountability Report by individual Local Project Sponsor that at a minimum:
 - An itemization of how advanced funds have been expended to date (Expenditure Summary), including documentation that supports the expenditures (e.g. contractor invoices, receipts, personnel hours, etc.). Invoices must be itemized based on the categories (i.e., tasks) specified in **Exhibit B**.
 - A funding plan which shows how the remaining advanced funds will be expended.
 - Provides an accounting of distributing the advanced funds to the appropriate Local Project Sponsor.
 - Documents that the funds were spent on eligible reimbursable costs.
 - Documentation that the funds were placed in a non-interest bearing account, including the dates of deposits and withdrawals from that account.
 - Water Management Status Report: Until June 30, 2016, Grantees shall submit status reports on implementation of either AB 1420 status or SBx7-7 water conservation status for the urban water suppliers that submitted an AB 1420 compliance Table 2 in the 2015 Implementation Grant Application. AB 1420

status reports shall be uploaded into GRANTS no later than 30 calendar days after execution of this agreement. SBx7-7 GPCD status reports shall be uploaded via GRANTS no later than June 30, 2016. 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 the urban water supplier is not meeting the interim target, then the urban water suppliers must also submit with its UWMP, a schedule, financing plan, and budget for achieving the GPCD (Water Code §10608.24). Starting June 30, 2017, those urban water suppliers that did not meet their 2015 GPCD target must also submit, by June 30, annual reports that include a schedule, financing plan, and budget for achieving the GPCD (Water Code §10608.24). Failure to progress on implementation may result in continuing grant eligibility actions under Paragraph 15. Before July 1, 2016, all agricultural water suppliers must submit a schedule, financing plan, and budget for implementation of the efficient water management practices, required pursuant to Water Code §10608.48 to comply with Sustainable Water Use and Demand Reduction requirements outlined in Part 2.55 (commencing with §10608) of Division 6 of the Water Code.

- d) 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's completion. Project Completion Report(s) 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.
- e) 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 this 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.
- f) 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 project(s) begins 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, Local Project Sponsors, 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 2015 IRWM Implementation Grant Proposal Solicitation Package (pages 20 and 21), and (2) the guidance provided in **Exhibit J**, "Project Monitoring Plan Guidance."
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 §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. See **Exhibit H** (Requirements for Statewide Monitoring and Data Submittal), for web links and information regarding other State monitoring and data reporting requirements.
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
Arthur Hinojosa
Chief, Division of IRWM
P.O. Box 942836
Sacramento CA 94236-0001
Phone: (916) 653-4736
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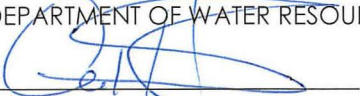
Either party may change its Project Representative or Project Manager upon written notice to the other party.

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 Guidance

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

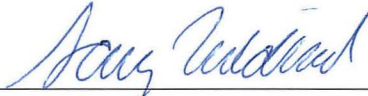
STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES



Arthur Hinojosa, P.E., Chief
Division of Integrated Regional Water Management

Date 12/2/16

LOS ANGELES FLOOD CONTROL DISTRICT



for Gail Farber
Chief Engineer
Department of Public Works

Date 11/30/16

Approved as to Legal Form and Sufficiency

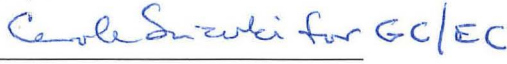


Robin Brewer, Assistant Chief Counsel
Office of Chief Counsel

Date 12-1-16

Approved as to Form

Mary C. Wickham
County Counsel

By 

Deputy

Date 11-28-16

EXHIBIT A WORK PLAN

The Proposition 84 2015 IRWM Implementation Grant Agreement provides funding for 19 projects located within the Greater Los Angeles IRWM region.

PROJECT 1: Advanced Water Meter Replacement Project

IMPLEMENTING AGENCY: Gateway Water Management Authority (GWMA)

PROJECT DESCRIPTION: The project will save approximately 423 acre-feet per year (AFY) of water supply and improve regional water use efficiency by replacing an estimated 4,199 water meters at customer service connections with Advanced Meter Reading (AMR) units that have advanced reading technology capabilities. The project encompasses the service areas of 11 participating GWMA entities including the cities of Bellflower, Cerritos, Commerce, Downey, Lakewood, Norwalk, South Gate, and Whittier, as well as the Pico Rivera Water Authority, Long Beach Water Department and the Pico Water District.

Budget Category (a): Direct Project Administration

Task 1 Project Management

Manage Grant Agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Los Angeles County Flood Control District (Grantee). Prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Other Applicable Project Deliverables

Task 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 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

No land acquisition or easements will be needed; therefore, this task does not apply to this Project.

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

This project does not require the preparation of feasibility studies. The GWMA developed this project based on experience from a current successful program, the Advanced Meter Infrastructure Program, which is already improving regional water management by converting meters into smart meters. This program has provided background and structure for this project to determine scope, potential benefits, and effective implementation strategies.

Deliverables: N/A

Task 6 CEQA Documentation

This project is categorically exempt since the AMR units will be installed in existing meter boxes on each agency-owned property. Therefore, environmental impacts associated with the project are not anticipated. This task will include: 1) the completion and filing of a Categorical Exemption prior to the beginning of field work; and 2) the preparation of a "no legal challenges" letter (or "addressing legal challenges" letter) to DWR.

Deliverables:

- Notice of Exemption
- No Legal Challenges letter to DWR

Task 7 Permitting

Permits will not be required for this project because all meters will be installed in place of existing water meters.

Deliverables: N/A

Task 8 Design

This project does not require preparation of designs.

Deliverables: N/A

Task 9 Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in **Exhibit J**) 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

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

This task will include procurement of professional services for the installation of AMR units. Third-party contracting specifics and structure will vary throughout the 11 participating agencies, but is anticipated to include the preparation and issuance for the request for proposal, evaluation of the bids received to furnish and install the necessary components, selection and award of contractor, issuance of a notice to proceed and related activities.

Deliverables:

- Request for Proposal
- Award of contract
- Notice to proceed

Task 11 Construction Administration

This task will involve monitoring and reporting on the installation contract work performed by vendors or any participating agency staff, providing direction to the contractor, reviewing the contractor's schedule and recommendations, and providing implementation inspection and management oversight.

Deliverables:

- Contractor Summary Progress Reports

Task 12 Construction/Implementation Activities

Installation of advanced water meters will include the preparation of the installation plan, purchase and delivery of new meters, removal of existing meters, and replacing those with the AMR units at an estimated 4,199 service meter locations in 11 cities. Participating agencies and/or customers will repair any leaks identified during removal/replacement activities – costs for such repairs are outside the scope of work for this project.

Subtask 12.1: Installation Plan Preparation

Based on information from each participating agency, the vendor will compile an Installation Plan for the work required to install the AMR units. This plan will lay out which customer service meters will be replaced with advanced meters and the general sequence and schedule for the work in each neighborhood, including an estimated date for completion. The vendor will work with each respective agency to determine which meters will be replaced and ensure that disadvantaged communities (DACs) are prioritized. The respective agency and GWMA will approve the plan before installation work begins plan must be approved by the respective agency and GWMA before installation work begins.

Deliverable:

- Installation Plan

Subtask 12.2: Equipment

This subtask includes the procurement of all equipment necessary to ensure successful installation. Equipment will include:

- Approximately 4,199 AMR units
- Other equipment required to carry out the AMR installation, such as service trucks, hand tools including weed eaters, shovels, saws, pipe cutters, and other specialized meter installation equipment.

Deliverable:

- List of equipment and costs for purchases by each agency

Subtask 12.3: Installation and Testing

This subtask consists of installation and configuration of approximately 4,199 AMR units and field testing to validate system functionality. In accordance with the Installation Plan, the vendor or agency staff will install the AMR units. Collecting and analyzing water use data will be necessary in order to ensure the efficiency of the new AMR system. The testing data will also be used as a baseline analysis of current water use. Since all leak repairs will be completed as part of the participating agency's existing maintenance program or by the customer, there is no additional scope associated with leak repair for this project.

Deliverables:

- Verification of installation
- Photographic documentation of Acknowledgment of Credit Sign
- Testing data collected following launch of AMR system

PROJECT 2: Southeast Water Efficiency Program

IMPLEMENTING AGENCY: Gateway Water Management Authority (GWMA)

PROJECT DESCRIPTION: The project will improve water use efficiency by conducting audits to determine excess water use and implementing retrofits to offer immediate drought relief and long-term water savings at public facilities throughout the Central Basin service area. The project primarily targets the disadvantaged communities (DACs) in the Central Basin service area for the audits and retrofits. Devices that will be available for installation include high-efficiency toilets (tanks and flushometers), zero water and ultra-low water urinals, laminar flow restrictors, large rotary nozzles, rotating nozzles for spray heads, weather-based irrigation controllers, central computer irrigation controllers, and flow regulators. This project will save an estimated 176 AFY of water and provide a water quality benefit of reducing approximately 0.29 milligrams per liter (mg/L) per year of nitrate/nitrite.

Budget Category (a): Direct Project Administration

Task 1 Project Management

Manage Grant Agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. Prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Other Applicable Project Deliverables

Task 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 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

No land acquisition or easements will be needed; therefore, this task does not apply to this Project.

Deliverables: N/A

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

This Project does not require the preparation of feasibility studies as it builds off of work completed under the previous Water Conservation/Management and Education Program.

Deliverables: N/A

Task 6 CEQA Documentation

This project is categorically exempt under CEQA. This task will include the completion and filing of a Categorical Exemption and the preparation of a "no legal challenges" letter (or "addressing legal challenges" letter) to DWR.

Deliverables:

- Copy of Notice of Exemption
- No Legal Challenges letter

Task 7 Permitting

This project does not require permits or regulatory approvals; therefore, this task does not apply to the project.

Deliverables: N/A

Task 8 Design

This project does not require the preparation of designs; therefore, this task does not apply to the project.

Deliverables: N/A

Task 9 Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in **Exhibit J**) 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

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

This task will include the procurement of professional services for the Project. GWMA will prepare and advertise request for proposals, evaluate the bids received, award the vendor, and issue a notice to proceed. A qualified vendor will be chosen to assist in the management and implementation of the project.

Deliverables:

- Request for proposal

- Award of contract
- Notice to proceed

Task 11 Construction Administration

This task will include the management of the vendor and vendor contract including providing direction throughout the implementation of the project, reviewing schedules and recommendations, and providing feedback on site selection criteria and water audits. The vendor will submit audit reports and site selection criteria to GWMA for review, comments, and approval. This task will require the management and coordination of GWMA staff and departments involved with the project, and providing implementation inspection and management oversight.

Deliverables:

- Summary of approved site selection criteria
- Summary of approved water audit reports
- Contractor Summary Progress Reports

Task 12 Construction/Implementation Activities

This project will audit public facilities to determine water use efficiency and will retrofit the facilities based on the results of the audits. The subtasks below include all the steps necessary to ensure successful implementation of the project.

Subtask 12.1: Site Identification

This subtask includes the following:

- Develop and conduct public surveys – in order to evaluate potential participants for the program that will most benefit from water efficiency improvements
- Develop the site selection criteria
- Review customer billing data
- Develop list of potential sites and customers - The initial list of potential sites will prioritize DACs, which will be given first opportunity to participate in the project.
- To maximize water savings, the retrofits that will save the most amount of water will be completed.

Deliverables:

- Site selection criteria
- List of potential sites and customers

Subtask 12.2: Program Outreach and Customer Enrollment

This subtask will require the vendor and GWMA to develop and use marketing campaigns and outreach tools to enroll participants. The vendor will meet with target public facilities identified through the selection process to provide information about the project, project benefits, expectations, timeframe, and to ensure transition to water efficient irrigation equipment.

Deliverable:

- Summary of enrollment forms
- Copy of all outreach materials

Subtask 12.3: Water Audits

- Conduct up to 57 water audits

Each target customer selected will have a water audit performed. GWMA will provide the vendor an approved equipment list that will be used during audits. The results from the audits will be used to determine individual customer equipment or repair needs. The vendor will submit the audit reports to GWMA for review, comment, and approval. Results of the audits will be provided to participants along with a list of recommendations to perform retrofits at each site.

Deliverable:

- Water Audit Results
- Recommended list of equipment

Subtask 12.4: Equipment Procurement

This subtask includes the procurement of all equipment necessary to ensure successful installation. The types of equipment that may be needed for this project include: high-efficiency toilets (tanks and flushometers), zero water and ultra-low water urinals, laminar flow restrictors, large rotary nozzles, rotating nozzles for spray heads, weather-based irrigation controllers, central computer irrigation controllers, and flow regulators.

Based on the audit recommendations, the participants will determine which equipment will be installed. The number and type of equipment installations for each retrofit will be customized on the basis of customer needs identified during the water audit. The vendor will purchase the necessary equipment and provide documentation of purchases. The vendor will be required to recycle equipment removed during the retrofit process.

Deliverables:

- Summary of Customized Retrofit List Reports
- List of equipment purchased for each site

Subtask 12.5: Retrofit Installation

The vendor will perform retrofits and repairs, including the initial start-up and testing for any piece of equipment. Once installation is complete, each customer will certify the type and number of equipment installed and that all equipment is fully functioning.

Deliverables:

- Equipment installation certification forms

PROJECT 3: Gateway Cities Regional Recycled Water System Expansion Project

IMPLEMENTING AGENCY: Gateway Water Management Authority (GWMA)

PROJECT DESCRIPTION: The project includes the planning, design, and environmental documentation for pipelines that will extend the Central Basin Municipal Water District (CBMWD) recycled water system into three cities, the City of South Gate, the City of Bell Gardens, and the City of Lynwood. The new customers that will be served include parks and schools in the disadvantaged communities (DACs) of the three cities. The project will provide 453 AFY of water savings and water quality improvement.

Budget Category (a): Direct Project Administration

Task 1 Project Management

Manage Grant Agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. Prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Other Applicable Project Deliverables

Task 2 Labor Compliance Program

This task is not applicable because this grant will be only used for planning, design, specifications, and the preparation of CEQA documents.

Deliverables: N/A

Task 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit (G) of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

No land acquisition or additional easements will be needed for the project.

Deliverables: N/A

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

This task involves the preparation of the technical memorandum entitled, *Determination of Irrigation Water Demand for Facilities to be Served with Recycled (Title 22) Water in the Cities of Bell Gardens, Lynwood, and South Gate*. Based on this analysis, a Feasibility Study/Basis of Design Report will be completed to develop and evaluate refined project alternatives. Work to complete the Basis of Design Report will include the following activities: land surveying, field reconnaissance, site evaluation, preparing conceptual design and cost estimates, and cultural resources investigation.

Deliverables:

- Technical Memorandum: *Determination of Irrigation Water Demand for Facilities to be Served with Recycled (Title 22) Water in the Cities of Bell Gardens, Lynwood, and South Gate*
- Feasibility Study/Basis of Design Report

Task 6 CEQA Documentation

A Notice of Preparation will be circulated followed by the preparation of a CEQA Initial Study (IS) and Mitigated Negative Declaration (MND) for the project. The MND document will be released for public review, and a Notice of Determination will be filed. Additionally, a "no legal challenges" letter (or "addressing legal challenges" letter) to DWR will be prepared.

Deliverables:

- Copy of Notice of Preparation
- Final IS
- Draft and Final MND
- Copy of Notice of Determination, as applicable
- Proof of Tribal Notification (Public Resources Code §75102), as applicable
- No Legal Challenges letter to DWR

Task 7 Permitting

This task will consist of arranging for all necessary permits for the project. Permits are not required until such time as the construction project is undertaken, which is planned for a later phase not part of this Grant Agreement. During the project design phase, contact will be made with the County of Los Angeles Department of Public Health, the Los Angeles County sanitation districts, City and County planning agencies, and other agencies that have statutory jurisdiction over the recycled water pipeline to initiate permit review in anticipation of construction.

Deliverables:

- Copy of all permit-related submittals

Task 8 Design

This task includes geotechnical investigation and topographical surveys, and 30%, 60%, 90%, and final design specifications and cost estimates. Activities will also include project management base map compilation, potholing, utility research, field investigations, hydraulics, and contract documents.

Deliverables:

- Aerial and Topographic Surveys
- Utility Research and Field Investigation documentation
- Preliminary Cost Estimates
- Geotechnical Report
- 100% Design Plans and Specifications

Task 9 Project Monitoring Plan

This task is not applicable because this grant will be only used for planning, design, specifications, and the preparation of CEQA documents.

Deliverables: N/A

Budget Category (d): Construction/Implementation

This budget category is not applicable because this grant will be only used for planning, design, specifications, and the preparation of CEQA documents.

Deliverables: N/A

PROJECT 4: Franklin D. Roosevelt Park Regional Best Management Practices (BMP) Project

IMPLEMENTING AGENCY: County of Los Angeles

PROJECT DESCRIPTION: The project will improve water quality by capturing the first flushes of stormwater and urban runoff from the disadvantaged community (DAC) of Florence-Firestone and diverting them to infiltration basins under Franklin D. Roosevelt Park (FDR Park). These flows will be infiltrated to the Central Groundwater Basin through the infiltration galleries, reducing an average annual zinc load in stormwater and urban runoff from the project drainage area by approximately 71 kilograms and increasing groundwater recharge by an estimated average of 105 AFY. Urban pollutants and nutrients carried in stormwater and urban runoff will be reduced to meet water quality standards established by the Los Angeles Regional Water Quality Control Board through pre-treatment systems, storage in the infiltration basins, and gradual infiltration through soil layers to the Central Groundwater Basin. Bio-swales and other low impact development features will be installed to capture additional surface flow and provide educational outreach opportunities.

Budget Category (a): Direct Project Administration

Task 1 Project Management

Manage Grant Agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. Prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors and administrative responsibilities associated with project planning and budgeting that began with Concept Design.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Other Applicable Project Deliverables

Task 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 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

No land purchase is necessary to complete the project. The project site is on land owned by the County of Los Angeles Department of Parks and Recreation (a project partner).

Deliverables: N/A

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

Geotechnical and environmental studies were completed as part of this task. Activities included a literature review, soil borings, infiltration testing, geotechnical and environmental laboratory testing, data analysis and evaluation, and preparation of a final geotechnical report that summarizes the analysis.

Deliverables:

- Copy of Geotechnical Investigation Report – Roosevelt Park upon request

Task 6 CEQA Documentation

Los Angeles County Department of Public Works (LACDPW) will prepare all necessary CEQA documentation before construction is initiated. LACDPW will prepare and circulate a Notice of Preparation, a CEQA Initial Study and a draft Mitigated Negative Declaration (MND). LACDPW will circulate the draft MND for public review, conduct public meetings, and respond to all comments. LACDPW will prepare a final MND, and file a Notice of Determination (NOD) with the State Clearinghouse. Additionally, a “no legal challenges” letter (or “addressing legal challenges” letter) to DWR will be prepared.

Deliverables:

- Copy of Notice of Preparation
- Draft and Final MND
- Copy of NOD, as applicable
- Proof of Tribal Notification (Public Resources Code §75102), as applicable
- No Legal Challenges letter to DWR

Task 7 Permitting

Permits are not anticipated to be required. The Project site is owned by the Los Angeles County Department of Parks and Recreation. Excavation permits will not be required; construction of the storm drain diversion pipeline outside of the FDR Park site will be entirely within the Los Angeles County Unincorporated area within the LACDPW Right-of-Way. However, in the event that permits are required, they will be obtained as necessary.

Deliverables:

- Copy of all required permits

Task 8 Design

The design is being completed in-house by LACDPW engineers. This task includes the preparation of the Project Concept Report, as well as the 30% design, 90%, and 100% design plans, specifications and cost estimates. The Project Concept Report and 30% design stage have been completed.

Deliverables:

- 30% Design Plans
- Engineer's Cost Estimate
- 100% Design Plans and Specifications

Task 9 Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in **Exhibit J**) will include baseline conditions, a brief discussion of monitoring systems to be used, methodology of monitoring, frequency of monitoring, and location of monitoring points. The Monitoring Plan will be prepared as part of the Mitigation Monitoring and Reporting Program.

Deliverables:

- Project Monitoring Plan

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

Activities necessary to secure a contractor and award a contract include developing the construction bid package, preparing advertisement and contractor documents for construction, evaluating bids, selecting a contractor, awarding of contractor and issuing the notice to proceed.

Deliverables:

- Bid documents
- Proof of Advertisement
- Award of contract
- Notice to proceed

Task 11 Construction Administration

Construction administration activities include managing contractor submittal review, answering requests for information, and issuing work directives. An engineering construction observer will be available for the duration of the project to document pre-construction conditions, daily construction activities, inspections, addressing the contractor's questions, reviewing and updating the project schedule, and reviewing change orders, log submittals, and pay requests

Deliverables:

- Notice of Completion

Task 12 Construction/Implementation Activities

Construction activities will likely include, but are not limited to the following:

Subtask 12.1: Mobilization

Mobilization and site preparation will include setting up equipment and materials at the project site, traffic control, site security, and signage.

Subtask 12.2: Infiltration Basins

Construction of the infiltration basins will include excavation, shoring of open excavation, and construction of three infiltration basins, including installation of geotextile fabric, pre-treatment filtration units, a catch basin, diversion structures, approximately 1,600 linear feet of 24" reinforced concrete pipes, and six flow meters. A Storm Water Pollution Prevention Plan (SWPPP) will be implemented during construction. The three infiltration galleries will be 15 feet below ground surface and sized as follows:

- Gallery #1: Area of approximately 31,600 square feet (SF) with a volume of approximately 6.48 acre-feet (AF)
- Gallery #2: Area of approximately 4,500 SF with a volume of approximately 0.91 AF
- Gallery #3: Area of approximately 4,900 SF with a volume of approximately 1.08 AF

Additionally, a new catch basin will be constructed on the west side of the park to catch roof runoff from park facilities. The new catch basin will be connected to the existing storm drain pipe inside the FDR Park that will connect to infiltration Gallery #3.

Deliverables:

- Photographic Documentation of Construction Activities
- Photographic Documentation of Acknowledgement of Credit Sign
- As-Built Plans

Subtask 12.3: Re-vegetation, Bio-swales and Other Park Improvements

The project site will be re-vegetated after the infiltration basins are installed. Re-vegetation will cover all construction area inside FDR Park (Gallery #1 and Gallery #2), including areas where existing vegetation will be removed during construction. The types of native and drought tolerant plants selected for re-vegetation will be determined based on LACDPW Architectural Engineering recommendations for the area. Gallery #3 is located on the street where there is existing pavement; therefore re-vegetation in this area will not need to occur. Bio-swales will be constructed on the west side of the FDR Park near the new catch basin. Other low impact development (LID) features and park improvements include tree planting, walkway improvements that will increase permeability using decomposed permeable granite, and interpretive signage to educate park visitors about the stormwater BMPs.

Deliverables:

- Photographic Documentation

Subtask 12.4: Demobilization – Demobilization will include removing equipment and materials from the project site and returning the project site to pre-construction conditions.

PROJECT 5: Paramount Blvd. Turf Replacement Project (Lakewood)

IMPLEMENTING AGENCY: Gateway Water Management Authority (GWMA)

PROJECT DESCRIPTION: The project includes replacing turf with water-efficient and drought-tolerant landscaping, installing a water efficient irrigation system, and installing biofiltration swales along several roadway medians. These improvements will be implemented on approximately 100,000 square feet (ft²) of median islands along Paramount Boulevard from Del Amo Boulevard to Carson Street. The project will provide an estimated 165 AFY of water savings and will improve water quality by reducing zinc concentrations in stormwater runoff.

Budget Category (a): Direct Project Administration

Task 1 Project Management

Manage Grant Agreement including preparation of the grant application, compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. Prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Deliverables:

- Complete grant application
- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Other Applicable Project Deliverables

Task 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 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

The project will be implemented on existing City of Lakewood lands therefore no land acquisition or additional easements will be needed.

Deliverables: N/A

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

Prior to construction, a study will be completed to analyze the surrounding communities, traffic conditions or restraints, and sight visibility. In order to prepare for this study, field analyses will be conducted and meetings will be held with the neighborhood committees.

Deliverables:

- Field Analysis Report

Task 6 CEQA Documentation

This project is categorically exempt under CEQA since it consists of minor alterations in the condition of the land and the purpose of the existing facilities will not be altered. Therefore, a Notice of Exemption will be prepared for Class 1 (Existing Facilities) and Class 4 (Minor Alterations to Land) categorical exemptions. Additionally, a "no legal challenges" letter (or "addressing legal challenges" letter) to DWR will be prepared.

Deliverables:

- Copy of Notice of Exemption
- No Legal Challenges letter to DWR

Task 7 Permitting

Permits are not anticipated to be required for this project because the project site is owned by the City of Lakewood. However, in the event permits are required, they will be obtained as necessary.

Deliverables:

- Copy of all required permits, if applicable

Task 8 Design

This task includes the preparation of the Preliminary and Final Design Concept, as well as the 60% design, 90%, and 100% design plans, specifications and cost estimates. Two meetings will be conducted with the local neighborhood committee to present the Preliminary and Final concept and request feedback from the committee.

Deliverables:

- Preliminary Design Concept
- 100% Design Plans and Specifications

Task 9 Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in **Exhibit J**) 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

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

A construction contractor will be secured and a contract will be awarded for the construction of this project. This task includes developing the construction bid package, which will include conducting a pre-bid and job site meeting, preparing and advertising the request for proposal, evaluating bids, providing recommendations for a selected contractor, awarding the contractor, and issuing a notice to proceed. This will also include verifying the contractor's agency references from past projects and ensuring proper license standings to perform work. This task includes the logging of questions and responses during the bid process.

Deliverables:

- Notice Inviting Sealed Bids
- Bid documents
- Award of contract
- Notice to proceed

Task 11 Construction Administration

This task will include the management of the construction contractor and providing direction throughout the implementation of the project. The following activities are included under this task: conduct pre-construction meetings and weekly standing meetings with the contractor; require the contractor to submit a construction schedule with weekly updates; conduct construction activity observations; log, track and process requests for information, requests for comment, contract change orders, field directives, and non-conformance reports; monitor traffic control plans; and provide project workbooks to GWMA at the conclusion of construction.

Deliverables:

- Pre-Final and Final Punch List Item
- Notice of Completion

Task 12 Construction/Implementation Activities

Construction activities likely include, but are not limited to the following:

Subtask 12.1: Mobilization and Site Preparation

This subtask includes mobilization and site preparation such as setting up equipment and materials at the project site, traffic control, site security, and signage will be performed. In addition, the Stormwater Pollution Prevention Plan (SWPPP) will be prepared for implementation during construction.

Deliverables:

- SWPPP

Subtask 12.2: Project Construction

Work conducted under this subtask will be in accordance with the final design plans and will include improvements along several roadway median islands along Paramount Boulevard, from Del Amo Boulevard to Carson Street (project site). Work under this subtask includes but is not limited to the following:

- The project site area (median islands) is estimated to include approximately 100,000 ft²;
- Removal of existing turf, irrigation system, and declining trees;
- Soil excavation of the biofiltration swale at the project;
- Stake and layout all of the proposed non-planting areas such as cobblestone dry steam bed, landscape boulders, and decomposed granite path or maintenance strip, as specified in design plans. The total quantity for non-planting area is approximately 30,000 ft².
- Procure and install all irrigation equipment; and
- Procure and install all non-planting area materials, including: cobblestones dry steam bed, boulders, decomposed granite path, and curb cut construction.

The following activities will be completed after the completion of the non-planting area construction and the installation of the irrigation system:

- Install drought-tolerant plants and trees - total planting area is approximately 70,000 ft²;
- Conduct tasks that supplement the planting installation, including soil preparation/amendment and conducting tree-hole water percolation tests; and
- Installation of the biofiltration planting material.

Deliverables:

- Quarterly Progress Reports
- Site photographs
- Photographic documentation of Acknowledgment of Credit Sign
- Final Construction Reports

Subtask 12.3: Performance Testing and Demobilization

This subtask includes the following:

- Conduct a final field observation at each site, and ensure the new irrigation system is working properly
- Prepare final construction reports for compliance with the construction documents
- Conduct final certifications of the constructed project
- The contractor will prepare and deliver to GWMA all field marked construction as-builts, irrigation equipment accessories, instruction booklets and warranties
- Prepare record drawings based on the contractor's as-builts
- Prepare final project certification

Deliverables:

- Final Project Certification

PROJECT 6: Comprehensive Water Conservation Project

IMPLEMENTING AGENCY: City of Malibu (City)

PROJECT DESCRIPTION: The City, as the local project sponsor (LPS), is partnering with West Basin Municipal Water District (West Basin), the local water wholesale agency, and Los Angeles County Waterworks District 29 (District), the local water retail agency, to reduce potable water consumption by an estimated 87.4 AFY in the project area. The project will provide a wide-range of resources such as rebates, classes, conservation devices, educational classes, indoor/outdoor surveys, smart water meters and consultations. Rebates will be provided for customer installation of water-efficient devices and removal of turf; provide graywater reuse incentives, drip irrigation kits, , efficient shower heads and stormwater capture device rebates for rain barrels and small rainwater harvesting cistern rebates for targeted customers; and directly install smart meter devices. The project will also provide educational training such as free California Friendly Landscape Training Classes, turf removal, and graywater workshops. With the installation of these project components an estimated 1,174.5 AF of potable water will be more efficiently used or offset with non-potable stormwater supply over the lifetime of the project.

Budget Category (a): Direct Project Administration

Task 1 Project Management

Manage Grant Agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. Prepare invoices that include relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies, processing invoices and receipts and managing consultants.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Other Applicable Project Deliverables

Task 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 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

No land acquisition or additional easements will be needed for the project.

Deliverables: N/A

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

Feasibility studies were not required for this project, since many of the Project components are successful conservation measures already in place throughout Southern California through Metropolitan Water District of Southern California's (MWD) SoCal Water Smart Program and/or other related studies.

Deliverables: N/A

Task 6 CEQA Documentation

This project is categorically exempt according to the California Code of Regulations, title 14, section 15061(b)(3). The City of Malibu, as lead agency, will file a Notice of Exemption (NOE) to meet the CEQA requirements prior to implementation of the project. Additionally, a "no legal challenges" letter (or "addressing legal challenges" letter) to DWR will be prepared.

Deliverables:

- Copy of NOE
- No Legal Challenges letter to DWR

Task 7 Permitting

There is no permitting required to implement this project.

Deliverables: N/A

Task 8 Design

There is no design included in this project.

Deliverables: N/A

Task 9 Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in **Exhibit J**) 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

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

The task includes the activities necessary to secure consultants and award contracts for successful implementation of this project by the City and the project partners, and include the following: develop consultant solicitation documents, issue requests for proposals, evaluate proposals, provide recommendations for approval by the City Council or Board (West Basin or District) as appropriate, award contracts and issue the notices to proceed. The following contracts have already been or are anticipated to be procured:

- Landscape and indoor survey vendors to help with conducting surveys throughout the project area (already in place)
- An outreach vendor to assist with marketing and promotion efforts to encourage customer participation in the Project (already in place)
- A program manager (PM)/consultant will be hired to provide coordination and implementation of the entire project.
- An implementation consultant(s) will be hired in order to maximize the participation of customers and ensure successful implementation of this Project, including additional marketing and promotion efforts.
- An experienced code-based graywater consultant or organization will be hired to implement several classes and on-site hands-on workshops.
- An experienced consultant or organization will be hired to implement several efficient landscaping classes and on-site workshops (some are sponsored through MWD)

Deliverables:

- Request for Proposals
- Award of contracts
- Notices to proceed

Task 11 Construction Administration

The Project Manager will ensure successful implementation and management of the construction administration (In this case implementation administration). The project is primarily implementation of water use efficiency programs and does not include any actual construction elements; therefore, this will include contracting, coordination, or management of any activities, and consultants and vendors hired for this project; reviewing and tracking project activity reports including schedules, tasks, and benchmarks; maintaining coordination with the project partners and providing any requested data information; and providing support for any other implementation tasks including, but not limited to, providing devices, and scheduling site visits.

Deliverables:

- Summary progress reports, upon request

Task 12 Construction/Implementation Activities

Subtask 12.1: Customer Targeting and Project Marketing

Work under this subtask includes but is not limited to the following:

- Review customer use data to determine a prioritized list of potential project customer participants, based on water use patterns.

- Determine the best candidates for the 300 mandatory and 100 voluntary smart meter installations.
- For those customers that will have smart meters installed as part of the project, review water use data to determine baseline use and to determine which project elements would be most appropriate for those sites to reduce water use
- Educate residents about the ongoing drought, conduct customer meetings and site visits to provide information about the benefits, and assist residents with participation by helping them apply for the devices and rebates.
- Once residents are enrolled, provide information on their current water use and provide ways to conserve water.
- Develop an effective marketing campaign. The effective marketing campaign will include outreach materials such as brochures, flyers, bill stuffers, posters, social media posts and websites that will advertise the programs and incentives through various local media options.
- Educate residents about water efficient landscaping through the California Friendly Landscape Training (CFLT) Classes (sponsored by MWD and hosted by the City and/or Project partners) similar classes.
- Work with MWD to coordinate and schedule approximately 10 CFLT classes for participants in the project area. The CFLT classes will ensure that participants are informed about sustainable landscaping.
- Provide residents with approximately 15 free training classes and workshops on how to implement graywater systems and the graywater system rebates being offered.
- New or revised classes and incentives that MWD or the project partners offer, such as MWD's proposed Turf Removal classes and cistern rebates, will be incorporated into the program during the project period. Participants of the turf removal rebate will also be encouraged to also attend such classes.
- The budget as of execution of this Grant Agreement is based on the currently available classes and incentives sponsored by MWD, and it is subject to change as modifications are made by MWD.

Deliverables:

- Consumption Analysis Report, upon request
- Examples of public outreach/marketing materials

Subtask 12.2: Rebate Implementation and Incentives

This subtask involves the implementation of the rebate program, including processing and issuance of rebates. Provide rebates to residents as follows:

- Approximately 1,000 high-efficiency toilet rebates
- Approximately 100 clothes washers rebates
- The City and project partners will coordinate the rebate program and provide additional water conservation measures, for rebates such as, but not limited to: Approximately 100 hot water on-demand systems, 25 graywater systems and 25 small rainwater harvesting cisterns.
- Conduct approximately 500 indoor/outdoor landscape surveys (audits) in the project area targeting the identified high water users. Surveys will be utilized to provide customers with more information about water

usage and to identify recommendations to better manage and improve water usage. Reports detailing the results of the surveys will be provided to the participants.

Deliverables:

- Summary of Rebate Applications
- Survey Recommendation Reports

Subtask 12.3: Equipment Procurement

This subtask includes the procurement of all equipment and devices to be installed through the project, which includes but is not limited to the following:

- 400 smart meter devices;
- 1,000 high-efficiency showerheads (with temperature controlled shut-off devices); and
- 400 drip irrigation kits

Deliverables:

- Summary of equipment invoices

Subtask 12.4: Installations

This subtask involves the installation of the smart meter devices and the high-efficiency showerheads and drip irrigation kits as follows:

Smart meter devices

- District 29 will provide installation services for the smart meter devices to the residents in order to identify leaks and other water use efficiency problems. As part of Task 11, District 29 will receive water usage data from the smart meters, and using accompanying software, will identify leaks and water waste. Any potential leaks identified by District 29 will be repaired by the individual customers.

High-efficiency showerheads and drip irrigation kits

- These devices will be provided to project participants by the Project's implementation consultant retained by West Basin. Installation of these devices will be performed by the residents and verified by the project's implementation consultant or the vendor conducting the audits.
- Participation selection will be based on community members signing up for the program services per outreach/marketing efforts, enrollment of customers identified via data analyzed by the District from water bills, and smart meter, or as identified via an audit.

Deliverables:

- Notice of Completion

PROJECT 7: Las Virgenes - Calleguas Municipal Water Districts Interconnection Project

IMPLEMENTING AGENCY: Las Virgenes Municipal Water District

PROJECT DESCRIPTION: The Las Virgenes Municipal Water District (LVMWD) is partnering with the Calleguas Municipal Water District (CMWD) to construct an intertie pipeline between the two respective potable water service areas, located in west Los Angeles County and east Ventura County. The new intertie will allow the exchange of water of up to approximately 870 AFY (595+275, during years when unplanned and planned outages both occur) and will also enable LVMWD to fill the Las Virgenes Reservoir by an additional 1,300 AF of water each year. The project also includes construction of a recycled water pipeline extension along the same alignment as the intertie component of the project to serve 13 AFY to Canyon Oaks Park for irrigation. The project area spans both the Greater Los Angeles County IRWM Region and the Watersheds Coalition of Ventura County IRWM Region and will provide benefits to both regions.

Budget Category (a): Direct Project Administration

Task 1 Project Management

Manage Grant Agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. Prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Other Applicable Project Deliverables

Task 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 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

No land acquisition or additional easements will be needed for the project.

Deliverables: N/A

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

This task includes the preparation and development of the 2014 Potable/Recycled Water Master Plan Updates and the 2014 Las Virgenes-Calleguas Interconnection Study, and the Preliminary Design Report.

Deliverables:

- 2014 Potable/Recycled Water Master Plan Updates (complete)
- 2014 Las Virgenes-Calleguas Interconnection Study (complete)
- Final Preliminary Design Report

Task 6 CEQA Documentation

This task includes the preparation of a CEQA Initial Study (IS) and Mitigated Negative Declaration (MND) for the Project. A Notice of Preparation (including tribal notification to the California Native Heritage Commission) will be prepared and circulated, and a draft MND will be prepared and eventually released for public review. Finally, a Notice of Completion will be filed with the State Clearinghouse, and a letter will be prepared stating that there are no legal challenges (or that LVMWD is addressing legal challenges).

Deliverables:

- Copy of Notice of Preparation
- Final IS
- Final MND
- Copy of Notice of Determination, as applicable
- Proof of Tribal Notification (Public Resources Code §75102), as applicable
- No Legal Challenges letter to DWR

Task 7 Permitting

This task includes the acquisition of all necessary permits for the project, including an encroachment permit from the City of Westlake Village. LVMWD will also be required to obtain an amendment to their Potable Water System Operating Permit from the State Water Resources Control Board (SWRCB), Division of Drinking Water (DDW) and a Stormwater Pollution Prevention Plan (SWPPP) during construction. Additional permits may be required and will be obtained as necessary.

Deliverables:

- Copy of all required permits

Task 8 Design

Task includes the preparation of a Basis of Design Report (BOD), and the development of final design plans and specifications. The BOD will provide the overall project concept for use in development of final design, plans and specifications including: hydraulic calculations, design details, and final plans and specifications.

Deliverables:

- Geotechnical Report
- Topographic Survey
- BOD Report
- 100% Design Plans and Specifications

Task 9 Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in **Exhibit J**) 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

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

This task includes activities needed to secure a contractor and award a contract such as developing the construction bid package, preparing advertisement and contractor documents for construction, evaluating bids, selecting a contractor, award of contractor, and issuing the notice to proceed.

Deliverables:

- Bid documents
- Proof of Advertisement
- Award of contract
- Notice to proceed

Task 11 Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documentation of pre-construction conditions, maintaining a daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, and notifying the contractor if work is not acceptable.

Deliverables:

- Construction Management Reports upon request
- Notice of Completion

Task 12 Construction/Implementation Activities

Construction activities will likely include, but are not limited to the following:

Subtask 12.1: Mobilization and Site Preparation

Mobilization and site preparation will include setting up equipment and materials at the project site as well as preparing the site for the restoration activities clearing, demolition, and debris removal. Site preparation includes conducting field surveying, potholing, and utility marking; erecting construction signage; and setting up materials storage areas.

Subtask 12.2: Project Construction

The installation of piping activities will consist of trenching, installing pipe, testing, restoration and clean-up. This task includes the installation of:

- The potable water intertie will consist of approximately 5,600 linear feet of 24-inch pipe, installed from Thousand Oaks Boulevard heading north on Lindero Canyon Road to the Ventura County border;
- Pipe connections, and other related appurtenances in accordance with the final design plans and specifications; and
- The recycled water extension will consist of approximately 1,260 linear feet of 6-inch pipeline that follows the same alignment as the potable water intertie as well as a 4-inch service line to serve Canyon Oaks Park.

This project includes all of the recycled water pipeline extension and the portion of the potable intertie pipeline that is located inside the LVMWD service area. CMWD, on the Ventura County side, will construct the remaining portion of the intertie pipeline, the pump station, and the pressure regulation valve (PRV). It does not include the Ventura County components of the project (remaining pipeline, PRV, and pump station).

Subtask 12.3: Performance Testing and Demobilization

Demobilization includes final testing of installed items and equipment including bacteria tests and pressure test for water mains, compaction tests for asphalt pavement replacement, final clean-up and removal of temporary construction facilities and materials

Deliverables:

- Photographic documentation
- Photographic Documentation of Acknowledgement of Credit Sign
- Start-up and Testing Reports

PROJECT 8: Urban Streams Restoration in the Malibu Creek Watershed

IMPLEMENTING AGENCY: Mountains Restoration Trust (MRT)

PROJECT DESCRIPTION: The project will protect seven native species by removing invasive crayfish from approximately 1.1 miles of stream along Medea Creek and 1.1 miles of stream along Las Virgenes Creek. The project will also restore approximately 0.70 acre of riparian habitat along Las Virgenes Creek by removing invasive vegetation and replanting native vegetation. The intended outcome of the project is to restore the project area to its natural state.

Budget Category (a): Direct Project Administration

Task 1 Project Management

Manage Grant Agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. Prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors. This task also includes staff time for preparation of the grant application, including time to attend related meetings.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Other Applicable Project Deliverables

Task 2 Labor Compliance Program

Not applicable. All work performed on this project will be completed by MRT staff and volunteers; no contractors will be hired. Thus, no labor compliance program is needed for this project.

Deliverables: N/A

Task 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

No land acquisition or additional easements will be needed for the project.

Deliverables: N/A

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

A feasibility analysis was completed for the non-native invasive aquatic species removal from 2010-2013 during field tests conducted on Malibu Creek.

Deliverables:

- Floodplain analysis to assess impact of vegetation in channel (completed 2011)*
- Geographic Information System (GIS) mapping of re-vegetation work area on Las Virgenes Creek
- Feasibility analysis*
- * A copy of each study referenced above upon request

Task 6 CEQA Documentation

This task involves the preparation and filing of a Notice of Exemption. In addition, a letter will be prepared stating that there are no legal challenges (or addressing legal challenges).

Deliverables:

- Notice of Exemption
- No Legal Challenges letter to DWR

Task 7 Permitting

Obtain all necessary federal, state, and local permits. The California Department of Fish & Wildlife (CDFW) permit for in-stream crayfish removal work was obtained June 26, 2014. Other permits may include:

- an encroachment permit from the Ventura County Watershed Protection District (VCWPD); and
- a CDFW 1603 Streambed Alteration Agreement for vegetation work

Additional permits may be required and will be obtained as necessary.

Deliverables:

- In-stream barriers and Crayfish trapping clearance from the CDFW (completed June 2014)
- Encroachment Permit from the VCWPD
- 1603 Streambed Alteration Agreement from the CDFW
- Copy of any other required permits

Task 8 Design

Work associated with this task includes developing the landscape design plans and a crayfish barrier plan.

Deliverables:

- Landscape design plan (completed November 2012)
- Crayfish barrier plan

Task 9 Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in **Exhibit J**) 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

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

Implementation of the project will be conducted by MRT staff and volunteers; contracting and agreements with outside contractors and/or consultants will not be necessary for this project.

Deliverables: N/A

Task 11 Construction Administration

Construction administration activities will include supervising field crews during the restoration of vegetation and crayfish removal process, documenting field work performed in field logs, reviewing progress, and reporting to the Project Manager.

Deliverables:

- Field logs (upon request)

Task 12 Construction/Implementation Activities

Construction activities will likely include, but are not limited to the following:

Subtask 12.1: Mobilization

Mobilization and site preparation will include setting up equipment and materials, including the irrigation lines for habitat restoration and preparing the site for crayfish removal. This task will also involve securing volunteers by coordinating with community members, conducting biological surveys for baseline conditions prior to start of crayfish removal, and confirming monitoring locations.

Subtask 12.2: Restoration

The restoration activities include but are not limited to the following activities:

- The purchasing of supplies and materials including but not limited to: crayfish traps, barrier materials, waders, gloves, buckets, irrigation pipe, valves, fittings, hoses, shovels, plants, cages, mulch, and other necessary items.
- Crayfish trapping and removal – this will consist of the use of metal traps in established 100 yard sections that are separated by temporary barriers.
- Crews will remove crayfish and maintain the areas daily to ensure that all traps are functional and appropriately placed. Removed crayfish are frozen off site until freezer storage is full, and then are donated as feed to local wildlife rehabilitation centers including the California Wildlife Center, Santa Barbara Zoo and the Wildlife

Waystation. If local centers are unable to take them, collected crayfish are killed by freezing and disposed of in the trash.

- Invasive plants such as tree of heaven (*Ailanthus altissima*), Virginia creeper (*Parthenocissus quinquefolia*), bull thistle (*Cirsium vulgare*), hoary mustard (*Hirschfeldia incana*), tocalote (*Centaurea melitensis*), red-stem filaree (*Erodium cicutarium*), smilo grass (*Piptatherum miliaceum*) and common plantain (*Plantago major*) will be removed and replaced with native species.
- The habitat restoration will add approximately 700 new native plants, including approximately 150 trees, 250 shrubs, 200 perennials, and 100 grasses. Native plant species will include coast live oak (*Quercus agrifolia*), valley oak (*Quercus lobata*), red willow (*Salix laevigata*), Fremont cottonwood (*Populus fremontii*), toyon (*Heteromeles arbutifolia*), California wild rose (*Rosa californica*), sugarbush (*Rhus ovata*), milkweed (*Asclepias fascicularis*), and blue wildrye, along with numerous other trees, shrubs, perennials, and grass species.

Deliverables:

- Photographic Documentation

Subtask 12.3: Monitoring

Monitoring for the crayfish portion of the project will include data collection, macroinvertebrate identification, habitat enhancement reports and crayfish mortality investigation. Dead crayfish have been found in the project area, but other organisms do not appear to be affected. Possible causes for crayfish death will be investigated to determine whether they could be used as targeted biocontrol to help manage the population. Re-vegetation annual reports will include photo documentation from fixed photo stations, transect survey data, and percentage survival from field observations. All monitoring will be accomplished between April 2016 and September 2019. Monitoring beyond this period is not included as part of the grant-funded project.

Deliverables:

- Annual Monitoring Reports

Subtask 12.4: Demobilization

Demobilization will include removing temporary barriers, and other equipment and materials from the project site, including the irrigation lines and crayfish traps, and returning disturbed areas within the Project site to pre-construction conditions.

PROJECT 9: Las Virgenes Creek Restoration Project - Phase II

IMPLEMENTING AGENCY: City of Calabasas (City)

PROJECT DESCRIPTION: The project will restore approximately 27 acres of riverine habitat and protect native species along Las Virgenes Creek. The restoration includes removing a concrete liner, stabilizing creek banks, constructing a terraced creek bed with weirs and pools for fish passage, and constructing trails. The intended outcome of the project is to restore the project area to its natural state with native species. Anticipated benefits include habitat restoration and native species protection.

Budget Category (a): Direct Project Administration

Task 1 Project Management

This task includes grant application preparation by a consultant, as well as staff time to attend meetings and provide project materials for the grant application preparation. The City will manage the Grant Agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. City staff will prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Other Applicable Project Deliverables

Task 2 Labor Compliance Program

Prepare a labor compliance program that complies with applicable California Labor Code requirements, Labor Code Section 1771.3.

Deliverables:

- Proof of labor compliance upon request

Task 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

No land acquisition or additional easements will be needed for the project. The site is a mix of publicly-owned land and private land that has existing variable-width trail easements, dating from the 1980's. The City of Calabasas has existing Memoranda of Understanding (MOU's) in place with the two private property owners in the project area: Steeplechase Homeowners Association (HOA) and Equity Office. The MOU's were signed by both property owners in 2014 which agreed to a realignment and re-recording of the easements based on the constructed trail.

Deliverables:

- Signed MOU, upon request

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

This task involves the development and evaluation of alternatives including the following activities: land surveying, field reconnaissance, site evaluation, base map compilation, preparing conceptual design and cost estimates, geotechnical investigation, hydrologic/hydraulic and geomorphic analysis, biological assessment, jurisdictional delineation, and cultural resources investigation. This task is complete.

Deliverables:

- Site Conditions and Constraints Technical Memo
- Jurisdictional Determination Report
- Geotechnical Report
- Biological and Cultural Resources Reports
- A copy of each study referenced above upon request

Task 6 CEQA Documentation

The City will prepare a CEQA Initial Study (IS) and Mitigated Negative Declaration (MND) for the project. Work included preparing an administrative draft IS-MND, releasing draft IS-MND, responding to comments, and preparing of the final IS-MND. This task is considered 100% complete because the final IS-MND was submitted and approved on December 09, 2015, by the City of Calabasas.

Deliverables:

- Final IS-MND
- Mitigation Monitoring and Reporting Program, if applicable
- Proof of Tribal Notification (Public Resources Code §75102), as applicable
- No Legal Challenges letter to DWR

Task 7 Permitting

All necessary permits for the project will be obtained, and may include:

- Flood Control Permit from the County of Los Angeles
- 401 Water Quality Certification from the Regional Water Quality Control Board

- Section 404 National Wetlands Fill Permit from the U.S. Army Corps of Engineers
- Section 1600 Streambed Alteration Agreement from the California Department of Fish and Wildlife
- Section 10 Consultation with the US Fish and Wildlife Service

Additionally, a Storm Water Pollution Prevention Plan (SWPPP) will be produced as part of the requirements for the Regional Water Quality Control Board permit. The City has submitted all necessary permits and has received a draft from California Department of Fish and Wildlife (CDFW). This task is considered 50% complete because all the permits have been submitted and the City is waiting on responses.

Additional permits may be required and will be obtained as necessary.

Deliverables:

- Copy of all required permits

Task 8 Design

The design task includes the 30% design, 60% design, 90%, final design plans, specifications and cost estimates. This task includes holding public workshops and stakeholder meetings to review the design and offer opportunities for comment.

Deliverables:

- Cost Estimate
- 100% Design Plans and Specifications

Task 9 Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in Exhibit J) 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

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

Activities needed to secure a contractor and award a contract include developing the construction bid package, preparing advertisement and contractor documents for construction, evaluating bids, selecting a contractor, awarding of contractor and issuing the notice to proceed. It is anticipated that two contractors will be hired: one will be responsible for site mobilization and the other will be responsible for construction/implementation activities. In addition to construction contractor services, the Project also requires that a surveyor be hired to map the new trail and record the new easement after construction is complete.

Deliverables:

- Bid documents
- Proof of Advertisement
- Award of contract
- Notice to proceed

Task 11 Construction Administration

Construction administration activities include overseeing construction activities, inspections services, and environmental compliance by all contractors. An engineering construction observer will be on-site to document pre-construction conditions, daily construction activities, inspections, addressing the contractor's questions, and reviewing change orders, log submittals, and pay requests. Implementation of the Labor Compliance Program during construction is included in this task.

Deliverables:

- Construction Log Reports upon request
- Notice of Completion

Task 12 Construction/Implementation Activities

Construction activities will likely include, but are not limited to the following:

Subtask 12.1: Pre-Migratory Bird Mobilization and Site Preparation

Pre-migratory bird mobilization and site preparation will take place before the start of the official nesting season. Equipment and materials needed for restoration activities such as limbing, clearing, and organic flood flow obstruction removal will be placed at staging areas along the site. Invasive plant species removal will be the main thrust of this mobilization as well as developing access points to the creek bed to effectively transport removed organic material. To further limit any potentially adverse effects on the native and migratory birds that will be nesting, some of which may be sensitive or special status species, bridges will have nets installed to deter nesting in those areas, and existing abandoned nests will be removed prior to the arrival of the birds.

Subtask 12.2: Pre-Construction Mobilization and Staging

Pre-construction mobilization and site preparation will include finalizing necessary best practices that minimize disturbances to native and migratory birds and wildlife while preparing and assembling equipment and materials at the project site in designated staging areas for the more structural restoration effort (failed concrete liner removal, bank stabilization, and the installation of any needed flow diversions).

Subtask 12.3: Creek Restoration and Bank Stabilization

The project components include the construction of a stable channel bed and banks, utilization of bio-engineering techniques for bank stabilization, enhancement of bed morphologic diversity, removal of exotic vegetation, and native riparian re-vegetation.

Creek rehabilitation and restoration will include the following activities:

- removing debris in the creek,
- repairing erosion sites,
- conducting bank stabilization,
- limbing and thinning existing trees in the creek to improve over-bank flood flows,
- removing obstructions to flood flows that are causing local slope erosion and siltation problems, and increasing visibility and riparian habitat conditions.
- Remove approximately 50 cubic yards of concrete from a failed culvert in the creek.

- In the section of concrete culvert removal, a series of rock step pools will be constructed over a distance of 400 feet to gradually raise the channel bed to the invert elevation of the culvert. Baffles (structure sills) in the culvert may be installed to reduce stream velocities, as needed.
- Non-native invasive species such as Tree of Heaven, eucalyptus, pepper trees, pampas grass, cactus, and palm will be removed.
- Native riparian tree, understory shrub species, and groundcover plants will be planted, including willow and cottonwood pole planting on the upper creek bank slopes.
- Creek rehabilitation will also include general cleanup, removal of downed wood, debris, and other materials from the creek for habitat improvement and management of fire fuel loads.

Bank stabilization will include the following activities:

- Location is downstream of Meadow Creek Lane, where there is 400 feet of unstable bank
- The channel banks of the creek and other areas impacted by active gully erosion from upstream drainage and over-slope flow will be repaired. This work includes using willow-planted rock rip rap along the lower creek bank slopes, earthen fill stabilized with coir end wrapped geogrids, and coir blankets on the upper slopes.

Deliverables:

- Photographic Documentation
- Construction Reports
- Photographic documentation of Acknowledgment of Credit Sign

Subtask 12.4: Demobilization

Demobilization will include removing equipment and materials from the project site and returning the project site to pre-construction conditions.

PROJECT 10: Inglewood New Well No. 7

IMPLEMENTING AGENCY: City of Inglewood (City)

PROJECT DESCRIPTION: The project will enhance the City's groundwater production capacity by approximately 1,178 AFY, on average, allowing the City to utilize more of its groundwater allocation in the West Coast Basin and reduce its dependence on imported water supplies. The project includes the drilling of a new well (Inglewood New Well No. 7) at a City-owned property to provide a new source of high-quality groundwater. In addition, implementation of this project will ensure that the City's customers in this disadvantaged community (DAC) area will have a more reliable supply of local water and will offset the amount of imported water needed.

Budget Category (a): Direct Project Administration

Task 1 Project Management

This task includes grant application preparation, as well as City's staff time to attend meetings and provide project materials for the grant application preparation. The City will manage the Grant Agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. The City staff will prepare invoices, including relevant supporting documentation for submittal to DWR via Grantee. This task also includes administrative responsibilities associated with the project, managing consultants, contractors, and permitting agencies.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Other Applicable Project Deliverables

Task 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 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

No land acquisition or additional easements will be needed for the project. The City owns the lot (it was acquired in the 1980s) and City Council approved the lot for the drilling of a new well.

Deliverables: N/A

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

The Feasibility Study Report for Inglewood Well No. 7 was completed in April 2014.

Deliverables:

- Copy of Feasibility Study Report for Inglewood Well No. 7, upon request

Task 6 CEQA Documentation

A CEQA Mitigated Negative Declaration (MND) was completed and adopted in November 2014. Prepare letter to DWR stating no legal challenges (or addressing legal challenges).

Deliverables:

- City Council Resolution 15-12
- Copy of CEQA MND
- Copy of CEQA Notice of Determination, as applicable
- Proof of Tribal Notification (Public Resources Code §75102), as applicable
- No legal challenges letter to DWR

Task 7 Permitting

Obtain all necessary federal, state, and local permits. Permits include: the new well permit and the new National Pollutant Discharge Elimination System (NPDES) permit from the State Water Resources Control Board for the project.

Additional permits may be required and will be obtained as necessary.

Deliverables:

- Copy of all required permits

Task 8 Design

Develop the plan and specifications for construction of Well No. 7 facilities.

Deliverables:

- Project Specification: 100% Plans, specifications and cost estimates

Task 9 Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in **Exhibit J**) 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

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

The City will award a construction contract to a private contractor for construction of Well No. 7 facilities. Activities needed to secure a contractor and award a contract include developing the construction bid package, preparing the advertisement and contractor documents for construction, evaluating bids, selecting a contractor, awarding of contractor and issuing the notice to proceed.

Deliverables:

- Bid documents
- Proof of Advertisement
- Award of contract
- Notice to proceed

Task 11 Construction Administration

The City will perform construction administration activities and construction management services. The construction management services include overseeing construction activities, inspections services, and environmental compliance by the contractor. The construction manager will be on site to document construction conditions, record daily construction activities, prepare/review change orders, log submittals, address the contractor's questions, and perform project inspections.

Deliverables:

- Construction inspection reports and photographs
- Notice of Completion

Task 12 Construction/Implementation Activities

This task likely includes, but is not limited to the following:

Subtask 12.1: Mobilization and Site Preparation

Remove two existing trees on the site. Mobilize a drill rig, pipe trailer, mud tank, and water tanks to the site. Install sound barriers.

Deliverables:

- Acknowledgment of Credit Sign

Subtask 12.2: Project Construction

Project construction activities include, but are not limited to, the following:

- Drill a pilot borehole to approximately 700' below ground surface;
- install conductor casing;
- log drill cuttings;
- conduct downhole geophysical surveys;

- conduct isolated aquifer zone testing at 4 depths;
- ream pilot hole; install well casing, gravel pack, and seal;
- well development using airlifting, swabbing, and chemical methods;
- install submersible pump assembly, piping, valves, electronics and control panel, wastewater discharge tank and line;
- install wellhead facility, including: concrete pad, tubular steel fencing with gated access, and bollards;
- construct sound-proof wall around perimeter of site, approximately 24-feet high and 360 linear feet; and
- construct concrete driveway, and other site improvements, including: 4-inch fire hydrant service line for well development and lubrication for water-lube pump assembly.

Project construction materials, equipment and labor needed to implement the project include, but are not limited to, the following:

- Materials: stainless steel 20" diameter louver well casing, grout seal, gravel packs, well development chemicals, and submersible pump assembly;
- Equipment: trucks, drill rig, crane, waste bin and Baker tank; and
- Labor: Project Manager, foreman, drilling technician, rig operators, electrician.

Deliverables:

- Photographic documentation

Subtask 12.3: Performance Testing and Demobilization

Conduct down-well (down gradient) testing, conduct discrete depth sampling, regrade site, demobilize equipment, and install fencing.

Deliverables:

- As-built drawings

PROJECT 11: North Torrance Well Field Project, Phase III

IMPLEMENTING AGENCY: City of Torrance

PROJECT DESCRIPTION: The North Torrance Well Field Project, Phase III will construct two groundwater production wells (No. 10 and No. 11). The project will include the construction of a well house, water tank, electrical supply and piping from the pumps to the tank. Upon completion of the project, the existing booster pumps and the one-million gallon water tank at McMaster Park will be demolished. The project will increase the water supply for the City of Torrance (City) by producing approximately 4,000 AFY of groundwater and improve water quality by reducing manganese concentrations.

Budget Category (a): Direct Project Administration

Task 1 Project Management

Manage Grant Agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. Prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies, permitting agencies and managing consultants/contractors. This task includes grant application preparation, as well as City's staff time to attend meetings and provide project materials for the grant application preparation.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Other Applicable Project Deliverables

Task 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 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

The City owns, leases, or has easements for all property related to the project. The Well No. 10 property is surrounded by Southern California Edison (SCE) in the north; Yukon Elementary School in the east; and CalTrans right-of-way in the south and west. As part of Phase I of the project, the City secured an easement from the Torrance Unified School District in August 2012. This easement is 15 feet wide for vehicular travel and 24 feet wide for underground utilities from the school parking lot to the well site. In June 2015, the City entered into a 5-year lease with SCE for the property north of the project site for construction storage.

Deliverables:

- Property deed for wells (Purchased August 2008), upon request
- Easement from Torrance Unified School District (Secured August 2012)
- Lease from Southern California Edison (Secured June 2015)

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

This task is complete and involved the development of three feasibility studies related to the project. The Well No. 10 Report, completed in June 2009, summarizes a casing, screen, and filter pack design proposed for the Well No. 10 site based on the pilot well. These design recommendations were based on observation and classification of lithologic samples collected during pilot borehole drilling, geophysical borehole logs obtained from the pilot borehole, mechanical grading analysis of selected soil sample intervals, and the results of isolated aquifer zone testing. The Geotechnical Study Report, completed in August 2011, details the results of project-specific field exploration, laboratory testing, and geotechnical analysis. The Report finds that the project site is suitable from a geotechnical standpoint for construction of the facilities associated with the project. The Inundation Study, completed in March 2014 as part of the Mitigated Negative Declaration (MND), addresses the effect that an earthquake or other natural disaster would have on the storage tank.

Deliverables:

- City of Torrance Well Site No. 10 Report (Completed June 2009)
- Geotechnical Study Report (Completed August 2011)
- Inundation Study (Completed March 2014)
- A copy of each study referenced above upon request

Task 6 CEQA Documentation

Prepare an MND for the Project. The MND was approved by the City of Torrance City Council in July 2015. Part of the MND required the City to complete an Inundation Study in the event the concrete storage tank should rupture during a natural disaster. The Inundation Study is included in Task 5, Feasibility Studies. Prepare letter to DWR stating no legal challenges (or addressing legal challenges).

Deliverables:

- Copy of MND (November 2010)
- MND Approval by City of Torrance City Council (July 2015)

- Copy of Notice of Determination as applicable
- Proof of Tribal Notification (Public Resources Code §75102) as applicable
- No Legal Challenges letter to DWR

Task 7 Permitting

This task includes securing all the necessary federal, state, and local permits for the project, as well as re-zoning a portion of the project site. Permits may include:

- Construction and Excavation Permit from the City of Torrance for any construction and excavation occurring in the public right-of-way.
- Well Permit from the County of Los Angeles Department of Public Health is required for constructing a public/municipal production well.
- Well Development Permit from the Regional Water Quality Control Board is required to address water quality issues.
- The National Pollutant Discharge Elimination System Permit (NPDES) Permit from the Regional Water Quality Control Board is required for discharges of groundwater into the storm drain system.

The City has received approval from the City of Torrance City Council to re-zone the project site from its current zone designation of light agriculture to the public use zone designation.

Additional permits may be required and will be obtained as necessary.

Deliverables:

- Copy of all required permits
- Rezoning approval from the City of Torrance City Council (Completed July 2015)

Task 8 Design

Complete design and design-build work for the project. The final design will include the architectural, structural, mechanical, electrical, and landscape drawings for the project, including the design for the three-million-gallon tank. Additionally, specifications and special provisions for the project will be included in the design.

Deliverables:

- 100% Design Plans and Specifications

Task 9 Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in **Exhibit J**) 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

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

This task involves securing a firm to conduct design and construction activities for the project. Activities needed to secure a design-build firm and award a contract include developing the request for qualifications (RFQ) and notice inviting bids (NIB), advertising for the work, evaluating bids, awarding a contract to the contractor, and issuing the Notice to Proceed (NTP).

Deliverables:

- Bid documents
- Proof of Advertisement
- Award of contract
- Notice to proceed

Task 11 Construction Administration

Construction administration activities include overseeing construction activities, submittal reviews, inspections services, and environmental compliance by contractor. The construction manager will be on-site to document pre-construction conditions, daily construction activities, preparing/reviewing change orders and log submittals, addressing the contractor's questions, and project inspections.

Deliverables:

- Construction inspection reports (upon request)
- Notice of Completion

Task 12 Construction/Implementation Activities

Construction activities will likely include, but are not limited to the following:

Subtask 12.1: Mobilization and Site Preparation

Activities will include:

- Mobilize and move all equipment and materials needed for the project into the staging area (the leased Southern California Edison property north of the project site).
- Clearing and grubbing the area and grading to reduce the project site elevation by one foot.

Subtask 12.2: Project Construction

This subtask includes constructing all physical components necessary for the project including:

- Constructing two groundwater production wells, Well Nos. 10 and 11; and equipping a wellhead treatment system as appropriate (final water quality data will be collected and used to determine the appropriate treatment system);
- A well house;
- A booster pump station that will deliver treated water from the new wells into the City's distribution system - anticipated to include three vertical turbine pumps and an electric motor;
- One, three-million-gallon concrete storage tank. The tank will be constructed of pre-stressed concrete and will be buried 20 feet below ground to mitigate any potential ruptures of the tank. This work includes excavating the site, installing steel reinforcements, applying the concrete, and installing and connecting piping;

- Other site appurtenances including, but not limited to: the electrical supply and piping from the pumps to the tank; and
- Upon completion of the project, when the system is operational, the existing booster pumps and the one-million-gallon tank at McMaster Park will be demolished.

Subtask 12.3: Performance Testing and Demobilization

This subtask includes conducting performance testing once construction is complete. Performance testing will include water quality testing to determine the concentrations of manganese from Well Nos. 10 and 11 and reading the flow meters to determine total supply production from these wells. Demobilization will include removing equipment and materials from the Project site and Southern California Edison staging area and returning the Project site to pre-construction conditions.

Deliverables:

- Photographic documentation of Acknowledgment of Credit Sign
- Photographic documentation

PROJECT 12: Recycled Water Supply for Palos Verdes Golf Course

IMPLEMENTING AGENCY: West Basin Municipal Water District

PROJECT DESCRIPTION: The West Basin Municipal Water District (WBMWD) is partnering with the City of Palos Verdes Estates (City) and the Palos Verdes Golf Club to implement the project. This project extends a recycled water system to serve the Palos Verdes Golf Course (PVGC), the Los Arboles Park and the Riviera Elementary School and restores approximately 0.85 acres of dune habitat. The habitat restoration will take place along Valmonte Trail in the Malaga Dunes, located along the recycled water pipeline extension. The project will result in approximately 210 AFY of recycled water being served (200 AFY at the PVGC and 10 AFY at the park and school, combined).

Budget Category (a): Direct Project Administration

Task 1 Project Management

Manage Grant Agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. Prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors. This task also includes staff time for WBMWD, the City and Project partners to provide supporting documentation for the grant application, along with preparation by a consultant.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Other Applicable Project Deliverables

Task 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 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

The project will require purchase of land or acquisition of easements for the pump station for the pipeline. The pipeline will be constructed primarily within the public right-of-way. The existing Anza Lateral is the closest recycled water pipeline within the area. The closest point of connection is at the 6-inch diameter recycled water main at Calle Mayor and Juan Avenue in the City of Torrance. A pump station for the pipeline would be required within close proximity as the topographic gradient starts ascending immediately.

Near the connection point, there are several potential locations for the pump station including, Calle Mayor Middle School, South High School, and a commercial-market place. In order to determine availability for pump station space, further conversations with owners and or corresponding representatives will take place. This task includes the cost of land acquisition necessary for the pump station space or easements, and the associated staff time to evaluate and develop the purchase or easements.

Deliverables:

- Documentation supporting property value (if purchased)
- Property Deed or Permanent Easement documentation

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

For the recycled water facilities, WBMWD completed a 2009 Capital Implementation Master Plan (CIP) for which a portion of this project was included. A more detailed feasibility study is being completed for the connection to the two sites in Torrance and the Palos Verdes Golf Course. A Habitat Restoration Plan will be prepared and approved by the City of Palos Verdes Estates.

Deliverables:

- WBMWD 2009 CIMP (Completed in June 2009)
- Feasibility Study to Palos Verdes Golf Course that includes connection to sites in Torrance
- Results of Jurisdictional Delineation and Habitat Assessment of the Palos Verdes Golf Club Expansion Project, Palos Verdes Estates, Los Angeles County, California
- Habitat Restoration Plan
- A copy of each study referenced above upon request

Task 6 CEQA Documentation

WBMWD completed the Environmental Assessment: Harbor/South Bay Water Recycling Project Programmatic Environmental Impact Report (EIR) in 2003 and a Supplemental Environmental Impact Statement (EIS)/EIR in 2009 which includes the recycled water facilities portion of the Project. WBMWD will be preparing a Draft and Final Initial Study/Mitigated Negative Declaration (IS/MND) for the pipeline and booster pump station. The Palos Verdes Golf Club and City of Palos Verdes Estates will review the existing environmental documentation (mentioned above) and determine if supplemental CEQA documentation is required for the habitat restoration portion of the Project. In addition, WBMWD will prepare a letter to DWR stating no legal challenges (or addressing legal challenges).

Deliverables:

- Environmental Assessment, & Supplemental EIS/EIR Harbor South Bay Water Recycling Project Programmatic EIR (Completed in January 2003 & August 2009), upon request
- Amendment for Habitat Restoration Plan Environmental Documentation (if needed)
- Draft and Final Initial Study/Mitigated Negative Declaration
- Copy of Notice of Determination or appropriate CEQA approval documentation
- Proof of Tribal Notification (Public Resources Code §75102) as applicable
- No Legal Challenges letter to DWR

Task 7 Permitting

Obtain all necessary federal, state, and local permits. Permits may include:

- CalTrans: The alignment will cross the Pacific Coast Highway at the intersection with Calle Mayor. Once the design and perimeters for traffic control are set during the design phase, CalTrans will determine their involvement in permitting.
- City of Torrance and Palos Verdes Estates: Encroachment Permit
- State Water Resources Control Board, Division of Drinking Water (SWRCB, DDW) – This is not a permit but rather a letter that WBMWD sends to SWRCB, DDW informing them of the Project's compliance with their guidelines on potable and recycled water pipeline separation criteria. The SWRCB, DDW responds to WBMWD with a letter.
- National Pollutant Discharge Elimination System (NPDES) permit – for discharge of pressure test water.
- A Conditional Use Permit will be required from the Los Angeles County Department of Regional Planning to ensure that the Project will not adversely impact the surrounding land uses.
- A Change to the Parklands Permit is needed from the City of Palos Verdes Estates' Parklands Committee because modifications are being made to the vegetation in the Malaga Dunes.
- Fire Department permit - if needed for the pump station once the design stages advance.

Additional permits may be required and will be obtained as necessary.

Deliverables:

- Copy of all required permits

Task 8 Design

Prepare a preliminary design report. This will be followed by a geotechnical report; topographical survey; and 60%, 90%, and 100% design plans. The habitat restoration plan (Task 5) will be incorporated into the design plans and specifications for the recycled pipeline.

Deliverables:

- Preliminary Design Report
- Geotechnical Report
- Topographic Survey
- 100% Design Plans and Specifications

Task 9 Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in **Exhibit J**) 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

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

Activities necessary to secure a contractor and award the contract include: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

Deliverables:

- Bid documents
- Proof of Advertisement
- Award of contract
- Notice to proceed

Task 11 Construction Administration

Review contractor submittals, answer requests for information, issue work directives, perform inspections, prepare reports, conduct field verifications, notifying contractor if work is not acceptable, participate in negotiations, and maintain booking of log reports and submittals. A construction outreach firm will be hired to operate the project construction hotline and distribute construction notices.

Deliverables:

- Construction Management reports, logs, and submittals, upon request
- Notice of Completion

Task 12 Construction/Implementation Activities

The project includes the following 3 components: 1) construction of a new recycled water line, pump station and onsite storage to serve approximately 200 acre-feet per year (AFY) to the PVGC; 2) the installation of connections to two other sites along the new recycled water line alignment for an additional 10 AFY: Los Arboles Park and Riviera Elementary School; and 3) habitat restoration. Construction activities likely include, but are not limited to the following:

Subtask 12.1: Mobilization and Site Preparation

Mobilization and Site Preparation by the contractor will include: procure the DigAlert for utility markings, surveying, potholing, material submittal, contractor permits, construction temporal re-striping, attendance at meetings, material and equipment procurement, best management practices, and storage area setup.

Deliverables: N/A

Subtask 12.2: Project Construction

Component 1 – Construct new recycled water line, pump station and onsite storage

- Construct new recycled water pipeline extension of approximately 12,000 feet of 4 to 8-inch diameter PVC pipe – includes trenching, pipe installation, restoration of pavement and striping, traffic control, dust control, and implementation of best management practices (BMPs);
- Construct recycled water line pump station – anticipated to consist of a four-pump lift station rated at approximately 1,250 gallons per minute
- Construct a 500,000 gallon storage tank or pond – on-site at the PVGC.
- Connect pipeline extension to the existing PVGC Irrigation system.

Component 2 – Install recycled water line connections to Los Arboles Park and Riviera Elementary School

The work at both sites includes but is not limited to the following:

- Install recycled water irrigation lines (PVC or similar) from the new recycled water line extension pipeline (Component 1) and connecting to each of the existing irrigation systems;
- Install water meters at the point of connection at each site in order to monitor the usage of recycled water.

Component 3 – Habitat restoration

The habitat restoration will take place along Valmonte Trail in the Malaga Dunes, located along the recycled water pipeline extension. These activities include, but are not limited to the following:

- Remove non-native acacia trees and understory grass from in an area of approximately 0.85 acres; and replace with a mix of native transitional riparian species and native scrub species.
- New plantings will be monitored for their survival. If weather conditions require supplemental irrigation, then this will be temporarily added until such time that the new plantings are established and thriving on their own.

Deliverables:

- Final Notice of Completion Letter
- Photographic Documentation of Construction Activities
- Photographic documentation of Acknowledgment of Credit Sign

Subtask 12.3: Performance Testing and Demobilization

This subtask includes pressure test, cleanup of Project site and storage area, disposal of pressure test water per NPDES permit requirements, final walk through of the site for project acceptance, demobilization, and final notice of completion letter.

Deliverables:

- Performance Testing Results

PROJECT 13: Upper Los Angeles River Big Tujunga Restoration Arundo Eradication Project

IMPLEMENTING AGENCY: National Forest Foundation

PROJECT DESCRIPTION: The project will restore approximately 50 acres of riparian habitat along Big Tujunga Creek by removing the invasive *Arundo donax* (Arundo) and replanting native vegetation, including willows and mulefat. By eradicating an estimated 50 acres of high water demand Arundo, the project will conserve approximately 1,000 AFY that can be used for other beneficial uses including groundwater recharge.

Budget Category (a): Direct Project Administration

Task 1 Project Management

Manage Grant Agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. Prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors. This task includes grant application preparation and National Forest Foundation's (NFF) staff time to attend meetings and provide project materials for the grant application preparation.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Other Applicable Project Deliverables

Task 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 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

No land acquisition or additional easements will be needed for the project.

Deliverables: N/A

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

The Project Plan was completed as part of the project development process. This task involved remapping the invasive stands based on the 2008-09 data for the project area. The size and density of the invasive stands were evaluated with aerial imagery combined with on-the-ground verification to determine the final project acreage. In addition, re-mapping helped determine which locations to begin removal of Arundo from within the Upper Big Tujunga Watershed.

Deliverables:

- Project Plan (completed July 30, 2015)
- A copy of study referenced above upon request

Task 6 CEQA Documentation

This task includes the development of and approval for CEQA and National Environmental Policy Act (NEPA) documentation for the project. CEQA activities include the preparation and approval of an MND and Addendum. NEPA activities include preparation/approval of the Draft and Final NEPA Environmental Analysis documentation. This task also includes the release of CEQA/NEPA documents for public review. In addition, under this task, NFF will prepare a letter to DWR stating no legal challenges (or addressing legal challenges).

Deliverables:

- Draft and Final NEPA Environmental Analysis (completed April 22, 2015)
- Final NEPA Environmental Analysis (approved December 2, 2015)
- Copy of Notice of Preparation
- Draft and Final MND (approved August 7, 2014)
- Final Addendum MND (September, 2015)
- Copy of Notice of Determination as applicable
- Proof of Tribal Notification (Public Resources Code §75102)
- No Legal Challenges letter to DWR

Task 7 Permitting

Obtain all necessary federal, state, and local permits. Permits may include:

- 1600 Streambed Alteration Permit; and
- Regional General Permit-41

Additional permits may be required and will be obtained as necessary.

Deliverables:

- Copy of all required permits

Task 8 Design

Work for this task involves completing the final implementation plan by incorporating initial mapping and environmental permit needs to develop specific treatments at specific geographic locations based on the remapping efforts detailed in Task 5. Treatments will take into account the final environmental analysis and permit mitigation measures.

Deliverables:

- Final Implementation Plan

Task 9 Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in **Exhibit J**) 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

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

Activities necessary to secure a contractor and award the contract include: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

Deliverables:

- Bid documents (completed)
- Proof of Advertisement (completed)
- Award of contract
- Notice to proceed

Task 11 Construction Administration

Construction administration activities include managing contractor(s) submittal reviews, answering requests for information, and issuing work directives. An NFF project manager will be assigned to the project part-time for construction of the project. The NFF Project Manager will work with contractors and Forest Service representatives to document weekly accomplishments. NFF Project Manager and executives will prepare change orders, address questions from contractors on site, review/update project schedule, review contractor(s) log submittals and pay requests, forecast cash flow, and notify contractor if work is not acceptable.

Deliverables:

- Documentation of weekly accomplishments, upon request

Task 12 Construction/Implementation Activities

Construction activities likely include, but are not limited to the following:

Subtask 12.1: Mobilization and Site Preparation

This task includes mobilization of the treatment and biomass removal crews which will involve scouting treatment locations, identifying access and egress routes, flagging treatment locations, and determining locations for depositing biomass (if required).

Subtask 12.2: Treatment of Stands and Biomass Removal

This task involves both treating the stands of Arundo and removing the biomass. These activities are described in more detail below.

Treatment of Arundo Stands

The stands that have been identified in the project area will be treated by a contractor or multiple contractors. The goal is to reduce as many acres of stands within the watershed during each year of the project, starting at the top and working downstream. The exact treatment approach, foliar spraying or cut and dab, and the process for biomass removal will be determined in Task 8, in consultation with the permitting agencies and the environmental analysis to mitigate any potential impacts.

This work includes, but is not limited to the following activities:

- Pre-treatment Site preparation - The site is prepped for work, particularly where Arundo and woody natives are intermixed. This site preparation involves physically separating any non-target native woody vegetation from the Arundo stand. This is done by separating the vegetation from other nearby plants and selective trimming of the native vegetation (stems under < 4"). This allows the Arundo to be treated thoroughly with no drift onto native woody vegetation.
- Apply herbicide treatment to Arundo stands - Treatment method and selection of herbicide will depend on time of year, density of infestation, presence of sensitive resources (e.g., native plants and wildlife species, including protected species), degree of intermixing of invasive species with sensitive native habitats, access, and proximity to surface water. It is likely that many areas will require multiple treatments. It is anticipated that 95% of acres treated initially will require retreatments annually until the invasive species are controlled. These construction activities will occur for four years, and therefore may include up to four annual treatments.
- Herbicide treatment methods are all performed by hand and are highly selective to the target plant. These include: foliar spraying; spot spraying; frill or 'hack and squirt'; cut-stump; paint/daub; stem injection, basal bark treatment, and wick application. Herbicides with formulations approved for use in wetlands by the US Environmental Protection Agency (EPA) will be considered as treatment options.
- Apply tracer dye to treatment solution as necessary to assure adequate coverage is occurring on Arundo and to assure that no non-target application or drift is occurring.

Biomass Removal

Removal of Arundo biomass may occur before or after herbicide application. Stands of Arundo >0.5 acres will typically be cut to remove biomass that presents a flood and fire hazard. This work includes, but is not limited to the following activities:

- Manual removal techniques will be used including hand cutting invasive plant biomass using loppers and chainsaws, and pulling weeds by hand or extracting with a weed wrench.

- Crews will cut and haul material to chippers where it will be loaded and hauled off site or spread in disturbed areas outside of the 10 year flow elevation (used as mulch).
- Stands with significant standing dead canes will typically be cut and removed, followed by treatment of re-sprouting canes. Areas that re-sprout are not cut again after treatment as the treated re-sprouts wither and decay rapidly, presenting little flood or fire risk.

Deliverables:

- Photographic Documentation of Implementation Activities
- Photographic documentation of Acknowledgment of Credit Sign

Subtask 12.3: Performance Tracking

This task covers monitoring activities that will occur during implementation only. Any monitoring activities that occur after implementation are not included in this Grant Agreement, but will be outlined in the Performance Monitoring Plan (Task 9). Annual monitoring and evaluation of the eradication process to document the treatment success will be conducted via a combination of:

- On-site observations from the treatment team,
- Review of aerial images, and
- In the field ground verification.
- An annual report will be provided documenting the eradication success to date. Biological monitoring that may be required will also be incorporated into this task. Based on updated mapping the team will determine treatments and locations for the following year.

Deliverables:

- Annual Completion Report and Treatment Effectiveness Analysis

PROJECT 14: Water LA Neighborhood Retrofits - Northeast San Fernando Valley

IMPLEMENTING AGENCY: The River Project

PROJECT DESCRIPTION: The project will consist of a total of 120 parkway basins and 36 home retrofits in disadvantaged communities (DACs) throughout the eastern San Fernando Valley. The project will ensure equitable distribution of benefits by prioritizing DACs in the project service area to provide water savings; these supplies support access to safe, clean, and affordable water, adequate for human consumption, cooking, and sanitary purposes. The project benefits include: infiltration of 26 AFY of stormwater to groundwater for local water supply; and improved water quality through stormwater capture. By capturing and infiltrating urban runoff, zinc concentrations will be reduced by 0.125 mg/L. Additional benefits include 10 AFY in water conservation provided by reduced outdoor water demands through increasing rainwater harvesting in tanks for onsite use, installation of greywater systems, and turf removal.

Budget Category (a): Direct Project Administration

Task 1 Project Management

This task includes aspects of managing the Grant Agreement as well as preparation of the grant application by the consultant. Work will include ensuring compliance with grant requirements, preparation and submission of supporting grant documents and coordination with the Grantee. Prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Other Applicable Project Deliverables

Task 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 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

No land purchase is necessary for this project.

Deliverables: N/A

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

This task includes the acquisition and analysis of relevant GIS data to determine DAC and climate vulnerability per CalEnviroScreen, as well as soils suitability and total maximum daily load (TMDL) issues around potential project sites. Light detection and ranging (LIDAR) data for remote sensing will be integrated to establish greater detail and flow directions. Initial site visits to priority neighborhoods will be included in this task to help verify additional factors such as parkway width, tree health, and social interest. Soils analyses will verify soil suitability and provide a baseline for monitoring performance in each neighborhood.

Deliverables:

- Mapped Priority Project areas
- Soils reports, upon request

Task 6 CEQA Documentation

This project is categorically exempt under Class 1 and Class 4 categorical exemptions (Cal. Code Regs., tit. 14, §§ 15301 and 15304) since the project consists largely of minor grading on slopes of less than 10%, new water efficient landscaping, minor excavation and backfilling where the surface is restored, and interior or exterior alterations to plumbing. Therefore, environmental impacts and associated documentation are not anticipated and an NOE will not be filed with the State Clearinghouse or County Clerk. Task includes the preparation of a letter to DWR stating no legal challenges (or addressing legal challenges).

Deliverables:

- No Legal Challenges letter to DWR

Task 7 Permitting

Obtain all necessary federal, state, and local permits. Permits may include:

- Parkway permit agreement
- Parkway permits (if required)
- Greywater permits

Additional permits may be required and will be obtained as necessary.

Deliverables:

- Copy of all required permits

Task 8 Design

The design task consists of two components: the standardized designs of the installation options that each homeowner may choose from for their site retrofit and the site-specific retrofit designs.

Standardized designs: Draft strategy plans and plant lists that lay out setback requirements for infiltration, as well as other items related to the general design of rain tanks, greywater systems, parkway basins, permeable pavement, infiltration trenches, and grading for rain capture. These strategy plans will be finalized to complement the City of Los Angeles and County of Los Angeles requirements. It is anticipated that this suite of strategy plans will be adopted by the City and the County in late-2016 as a component of their respective LID documents for voluntary use at residential parcels.

Site-specific designs: Include site, size and design of 120 parkway basins, including planting plans; and retrofit design plans for each home involves working with each homeowner's own site assessments and design plans drafted during the workshops (Subtask 12.2). These design plans will include estimates of required soil, vegetation and/or hardscape removal volumes, list of necessary materials, and planting needs. Water supply and water quality benefits will be estimated for each homeowner during site design. The site design phase will be ongoing throughout the Project because the selection of homes to be retrofitted will be staged over the three and a half year project implementation period.

Deliverables:

- Final Strategy Plans and Plant Lists
- Parkway Designs and Planting Plans
- Homeowner Site Plans

Task 9 Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in **Exhibit J**) will include baseline conditions, a brief discussion of monitoring approach to be used, including method of monitoring, frequency of monitoring, and location of monitoring points.

Deliverables:

- Project Monitoring Plan

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

This task will include the preparation and execution of contract documents, and issuance of notices to proceed. The River Project will be contracting with multiple contractors to complete the parkway basin and home retrofits including an arborist for tree installations, a mason for concrete cutting and masonry, and contractors who specialize in parkway basin, greywater systems, rain tank installations, information technology (IT) and design.

Deliverables:

- Award of Contract
- Notice to Proceed

Task 11 Construction Administration

A construction foreman will oversee the residential and parkway basin retrofits. Duties will include managing contractor submittal review, answering requests for information, and issuing work directives. Other activities include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/updating project schedule, reviewing contractor log submittals and pay requests, notifying contractor if work is not acceptable. The foreman will develop a strategy for efficient deployment for each neighborhood.

Deliverables:

- Notice of Completion

Task 12 Construction/Implementation Activities

Construction/implementation activities will include an outreach and engagement campaign with the neighborhoods selected for the project, developing educational materials for and conducting workshops with the selected project participants, and implementing the project installations for the parkway basins and home retrofits. These activities may be phased such that approximately one project neighborhood is completed each year. These activities are described in more detail in the subtasks below.

Subtask 12.1: Outreach – Once neighborhoods are identified (Task 5), they will be connected with the local neighborhood councils and community-based organizations to undertake a comprehensive multi-lingual outreach and engagement campaign through direct contact, telephone, email, website, and social media. The Project Team will look for interested neighbors to participate in the program and build relationships. The website will allow people to sign up for workshops and access materials, videos, and before and after images. Interested homeowners sign a set of documents including access to water bills, waivers of liability, neighbor-labor commitments, and stewardship agreements. Stewardship is critical and assisting homeowners in becoming partners in green infrastructure maintenance requires an investment of some time. The River Project will maintain a presence in the neighborhood to support success, and send ongoing reminders and updates. This task also covers ongoing development and maintenance of the Water LA web platforms and site assessment tools.

Deliverables:

- Copies of Outreach Materials
- Participant Enrollment Agreements
- Documentation of Advertisements

Subtask 12.2: Education/Workshops – This subtask involves the development of educational materials such as multi-lingual how-to guides, videos, and other educational materials, as well as the delivery of hands-on workshops for the selected neighborhood participants. The Water LA how-to guides and videos assist participants in selecting, designing, and maintaining their home retrofits. The River Project will deliver a series of hands-on workshops in each neighborhood, which cover water and climate literacy, site assessment and design, building healthy soil, grading for rain capture, native plants, rain tanks, greywater, parkway basins, permeable paving and infiltration trenches. These workshops help homeowners understand how the retrofits function, what the benefits are, and what the maintenance requirements will be. This information is critical for the selection of retrofit features at each site. Through the site assessment workshops, homeowners undertake their own site assessment and create draft designs which The River Project will use to create the official site-specific design for each home and parkway basin site (Task 8). Educational materials include the how-to guides, videos, one-sheet handouts and workshop materials. Each home retrofit and parkway basin site will be required to display a project sign on the property, which features the Water LA logo and the logos of the project funders.

Deliverables:

- Copy of Educational Materials

Subtask 12.3: Project Installations – The project installations will consist of the 36 home retrofits and 120 parkway basin retrofits that will be constructed in the neighborhoods and specific sites selected during the site assessment in Task 5 and further refined during the outreach component of the implementation for the project (Subtask 12.1). The site-specific design for each installation will be further refined during the workshops (Subtask 12.2) and design (Task 8) stages of the project. The general components will include: lawn removal, rain grading, native and edible landscaping, rain tanks, greywater systems, permeable paving and infiltration trenches. The Project Team will work with homeowners and the rain tank and greywater contractors to complete the 36 residential retrofits. For the parkway basins, the project team will undertake parkway site preparation and finishing (lawn removal, grading, planting, mulching). The green contractor, La Loma, will be responsible for curb cuts and masonry required for the rock reinforced basin slopes and the erosion control feature. The parkway basin installations will be ongoing throughout the project term.

Deliverables:

- Photographic Documentation of Project Installations
- Photographic Documentation of Acknowledgement of Credit Sign

PROJECT 15: Hoover, Toll, & Keppel School Recycled Water Project

IMPLEMENTING AGENCY: City of Glendale

PROJECT DESCRIPTION: The project will expand the existing recycled water system by the installation of approximately 5,890 linear feet (LF) of new 8" PVC recycled water main to offset approximately 55 AFY of potable supplies with recycled water for non-potable purposes. The project will provide recycled water supplies to Hoover High School, Toll Middle School, and Keppel Elementary School in the Glendale Water and Power (GWP) service area. The project also provides a secondary benefit of improved water quality by reducing the amount of recycled water, along with the associated chloride, total dissolved solids, and copper, discharged to the Los Angeles River. In addition, a large portion of the project area encompasses DACs.

Budget Category (a): Direct Project Administration

Task 1 Project Management

Manage Grant Agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. Prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors and engineer services.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Other Applicable Project Deliverables

Task 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 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

The project will not require purchase of land or acquisition of easements, because all infrastructure will be constructed in the City of Glendale (City) rights-of-way.

Deliverables: N/A

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

The *City of Glendale Recycled Water System Improvement and Extension Plan* was prepared in 2007 and served as the basis of design for this project.

Deliverables:

- City of Glendale Recycled Water System Improvement and Extension, 2007
- A copy of the study referenced above upon request

Task 6 CEQA Documentation

A Notice of Exemption (NOE) was completed on April 7, 2009. This task includes the preparation of a letter to DWR stating no legal challenges were encountered for the Project (or addressing legal challenges).

Deliverables:

- Final NOE
- No Legal Challenges letter to DWR

Task 7 Permitting

Obtain all necessary federal, state, and local permits. Permits may include:

- Excavation Permit
- Encroachment Permit, and;
- Street Use Permit from the City of Glendale.

Additional permits may be required and will be obtained as necessary.

In addition, a letter will be sent to the State Water Resources Control Board (SWRCB), Division of Drinking Water informing them of the Project's compliance with their guidelines on potable and recycled water pipeline separation criteria.

Deliverables:

- Copy of all required permits
- Copy of SWRCB letter, upon request

Task 8 Design

This task includes the preparation of a geotechnical report, conducting a topographic survey and the preparation and development of 100% (Final) design, plans, and specifications.

Deliverables:

- Geotechnical Report
- Topographic Survey
- 100% Design Plans and Specifications
- "Approved For Construction" Design Plans
- As-Built Plans

Task 9 Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in **Exhibit J**) 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

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

This task includes activities needed to secure a Design-Build Entity (DBE) and award a contract, such as developing the DBE Request for Proposal (RFP), preparing advertisement and DBE documents for design and construction, evaluating proposals, selecting a DBE, award of contract, and issuing the notice to proceed.

Deliverables:

- Request for Proposals/Qualifications for Design-Build of the Project
- Proposals (Bid Documents) from Qualified Design-Build Entities
- Proof of Advertisement
- Award of Design-Build Contract
- Notice to Proceed
- Notice of Completion

Task 11 Construction Administration

GWP will perform construction management and inspection services. The GWP Construction Administrator will prepare and file reports, field verifications, participate in negotiations, and maintain booking of log reports and submittals.

Deliverables:

- Notice of Completion

Task 12 Construction/Implementation Activities

The project expands the recycled water system to provide recycled water supplies to Hoover High School, Toll Middle School, and Keppel Elementary School in the GWP service area. Construction/implementation will be in accordance with the final plans and specifications for the project, and are anticipated to include the materials and activities described below.

Subtask 12.1: Mobilization and Site Preparation

Mobilization and site preparation by the contractor will include: procure the DIG Alert for utility markings, surveying, potholing, material submittal, contractor permits, construction temporary re-striping, attendance at meetings,

coordination and outreach with the three schools to minimize construction impacts to them, material and equipment procurement, best management practices, and storage area setup.

Subtask 12.2: Project Construction

The project includes the following components and activities:

- Excavation and installation of approximately 5,890 LF of 8-inch diameter AWWA C-900 PVC (anticipated) recycled water pipeline;
- Acquisition and installation of:
 - Service connections with valves and flow meters at seven locations at three new sites;
 - Isolation valves, air release valves, blow-offs on recycled mainline; and
 - Other appurtenances and work necessary for a completed project, in accordance with final plans and specifications for the project.
- Conduct traffic control;
- General construction activities will include: Pavement marking, saw cutting, trench excavation, pipe installation, pipe hydrostatic pressure testing, backfill of trenches, restoration of pavement and striping, and storm water best management practices (BMPs).

Subtask 12.3: Performance Testing and Demobilization

This subtask includes pressure test, cleanup of project site and storage area, final walk through of the site for project acceptance, demobilization, and final notice of completion letter.

Deliverables:

- Photographic documentation

PROJECT 16: Lopez Spreading Grounds Improvement

IMPLEMENTING AGENCY: Los Angeles County Flood Control District

PROJECT DESCRIPTION: This project will produce approximately 480 AFY of water supply by improving recharge to the San Fernando Groundwater Basin via Lopez Spreading Grounds. Improvements include enhancing the existing intake and storage capacity at the Lopez Spreading Grounds. The project will increase the infiltration of stormwater from 583 AFY to 1,063 AFY by reconfiguring and deepening the existing basins in the spreading grounds, improving the existing intake structure, and replacing the facility's manual gates with new automated electronic gates.

Budget Category (a): Direct Project Administration

Task 1 Project Management

This task includes aspects of managing the Grant Agreement, preparation of the grant application, compliance with grant requirements, and preparation and submission of supporting grant documents and coordination. Prepare invoices including relevant supporting documentation for submittal to DWR. This task also includes administrative responsibilities such as developing and processing a Memorandum of Agreement between Grantee and the Los Angeles Department of Water and Power (LADWP), which has already been completed. The Memorandum of Agreement details the project's partnership between Grantee and LADWP and identifies the responsibilities of each agency in regards to the project.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Memorandum of Agreement between Grantee and LADWP

Task 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, and/or including any payments to the Department of Industrial Relations under Labor Code Section 1771.3.

Deliverables:

- Proof of Labor Compliance upon request

Task 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

No land purchase is required for the project.

Deliverables: N/A

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

A Project Concept Report was prepared and approved as part of the project development process. The Project Concept Report (Lopez Spreading Grounds Basin Improvements Project Concept Report, July 16, 2013) includes scoping and investigations associated with the project.

Deliverables:

- Signed Project Concept Report, upon request

Task 6 CEQA Documentation

Evaluate and prepare a Mitigated Negative Declaration (MND) for the project. Grantee will circulate the draft MND for public review; conduct public meetings, including scoping meetings; respond to all comments; prepare a final MND; file a Notice of Determination with the State Clearinghouse; and prepare a No Legal Challenges Letter.

Deliverables:

- Final MND
- Copy of Notice of Determination
- Proof of Tribal Notification per PRC §75102
- No Legal Challenges letter to DWR

Task 7 Permitting

Obtain all necessary federal, state, and local permits. Permits may include:

- 408 Permit from the USACE

Additional permits may be required and will be obtained as necessary.

Deliverables:

- Copy of all required permits

Task 8 Design

This task includes the preparation of complete 100% (Final) Design Plans, Engineer's Cost Estimate and Specifications. This task also includes the subtasks of: performing geotechnical investigations, conducting a design survey, site screenings, and a utility search.

Deliverables:

- Soil testing, survey and site screening reports upon request
- Engineer's Cost Estimate
- 100% Design Plans and Specifications

Task 9 Project Monitoring Plan

Develop and submit a project monitoring plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in **Exhibit J**) 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

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

Activities necessary to secure a contractor and award a contract include: developing the construction bid documents, advertising the project, opening and evaluating bids, awarding the Project, and issuing the Notice to Proceed.

Deliverables:

- Proof of Advertisement
- Award of contract
- Notice to proceed

Task 11 Construction Administration

Construction administration activities include construction supervision, submitting the Project Completion Memorandum, answering requests for information, and issuing work directives. A construction inspector will be assigned to the site for the duration of the project to document pre-construction conditions, daily construction activities, and perform inspections. The construction inspector will answer questions of the contractors on-site, review and update the project schedule, review change orders, log submittals, and pay requests.

Deliverables:

- Contractor Summary Progress Reports, upon request
- Notice of Completion

Task 12 Construction/Implementation Activities

Construction activities likely include, but are not limited to the following:

Subtask 12.1: Mobilization

Mobilization and site preparation will include setting up equipment and materials at the project site, site security, and signage.

Subtask 12.2: Project Construction

Project construction will include reconfiguring, expanding and deepening the basins. The original five percolation basins and one desilting basin will be reconfigured into four percolation basins and one modified desilting basin. Construction activities will include, but are not limited to the following:

- Remove approximately 230,000 cubic yards of sediment from the basins.
- The sediment will be transported via truck and disposed of at a Sediment Placement Site, which will be determined following the completion of the MND.

- Flashboard systems between the basins will be replaced with new interbasin structures that include automated gate systems with electric motor operators (EMOs).
- Upgrade the diversion structure that diverts flows from the upstream Lopez Flood Control Basin with an automated gate system.
- Replace the existing 36-inch corrugated metal pipe portion of the intake canal with a 3-feet by 5-feet reinforced concrete box culvert to prevent further sedimentation and erosion.
- Approximately 475-feet of electrical conduit will be installed along the side of the intake canal to power the automated features at the intake diversion structure.
- A Stormwater Pollution Prevention Plan (SWPPP) will be developed and implemented during construction, if necessary.

Deliverables:

- Photographic Documentation of Acknowledgment of Credit Sign
- SWPPP, if applicable
- As-Built Drawings
- Photographic documentation of construction activities

Subtask 12.3: Demobilization and Performance Testing

Demobilization will include removing equipment and materials from the project site. Performance testing will include testing the installed equipment, including the proposed electronic gates to ensure they will meet performance and functional requirements

Deliverables:

- Final Project Certification

PROJECT 17: Crescenta Valley Water District Nitrate Removal Treatment Facility at Well 2 Project

IMPLEMENTING AGENCY: Crescenta Valley Water District

PROJECT DESCRIPTION: The Project will produce approximately 240 AFY of local, safe drinking water supply for Crescenta Valley Water District (CVWD) customers and improve water quality by reducing nitrates. This will be accomplished by reactivating Well 2 and installing a nitrate treatment system at CVWD's Ordunio Reservoir. Well 2 is an existing groundwater well that has been out of service since 1976 due to nitrate contamination.

Budget Category (a): Direct Project Administration

Task 1 Project Management

This task includes grant application preparation, as well as CVWD staff time to attend meetings and provide project materials for the grant application preparation. The CVWD will manage the Grant Agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. CVWD staff will prepare invoices including relevant supporting documentation for submittal to DWR via Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies (Glendale Water and Power, Foothill Municipal Water District and Upper Los Angeles River Area Watermaster), managing consultants, contractors, and permitting agencies as well as informing the community and other stakeholders through an extensive public outreach program.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Public Outreach – Press Releases, Information on Website, Newspaper Articles, Community Meetings, and direct flyers to the effected residents during construction – upon request
- Other Applicable Project Deliverables

Task 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 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

The proposed site for construction of the nitrate treatment system is on property owned by CVWD since 1950. Therefore, there are no land acquisitions or additional easements needed for the project.

Deliverables: N/A

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

In 2007, CVWD worked with Richard C. Slade & Associates and General Pump Company to complete a recommendation report with pump testing data on the estimated well capacity and depth setting of the pump.

Deliverables:

- Preliminary Recommendations for Final Pumping Rate and Pump Depth Setting for Permanent Pump in Well No. 2* prepared by Richard C. Slade & Associates (2007)
- A copy of study referenced above upon request

Task 6 CEQA Documentation

Complete a CEQA Negative Declaration (ND) for the project; release the ND for review by the public; submittal to the State Clearing house; prepare response to any public comments; conduct public hearing on the ND; and file the notice of determination for the ND.

The Notice of Intent and the Initial Environmental Study Checklist were completed in August 2015. The Negative Declaration, Notice of Public Hearing, Notice of Determination, and a letter verifying the lack of legal challenges were completed in November 2015.

This task also includes the preparation of a CEQA-plus package to provide detailed technical information to fulfill the State Water Resources Control Board's requirements for CEQA.

Deliverables:

- CEQA – Notice of Intent (completed in August 2015)
- CEQA – Initial Environmental Study Checklist (completed in August 2015)
- CEQA – Negative Declaration (Completed on October 6, 2015)
- CEQA – Board Resolution No. 727 adopting Negative Declaration (Completed on October 6, 2015)
- CEQA – Notice of Determination (completed on November 10, 2015)
- No Legal Challenges Letter to DWR (completed on October 6, 2015)
- CEQA – CEQA Plus package for submittal to State Water Resources Control Board, upon request

Task 7 Permitting

Obtain all necessary federal, state, and local permits. Permits may include:

- City of Glendale – Excavation Permit
- City of Glendale – Sewer Connection Permit
- Glendale Water and Power – Electrical permit
- City of Glendale – Building Permit
- State Water Resources Control Board - Amendment to Operating Permit

Additional permits may be required and will be obtained as necessary.

Deliverables:

- Copy of all required permits

Task 8 Design

The design task includes preparation of construction plans and specifications for the construction of Well 2 facilities including a new building, chlorination system, onsite piping, electrical system and supervisory control and data acquisition (SCADA)/Telemetry System. The design and construction of the Nitrate Reduction Treatment Facility includes a “carport” type of building, treatment containers, onsite piping, electrical system and SCADA/Telemetry System. The design task includes a 50% Design Technical Memorandum, 90% design, and 100% design plans and specifications and cost estimates for both the Well 2 facility and the nitrate treatment system.

Deliverables:

- 50% Design Technical Memorandum
- Engineer’s Cost Estimate
- 100% Design Plans and Specifications

Task 9 Project Monitoring Plan

Develop and submit a project monitoring plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in **Exhibit J**) 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

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

CVWD has contracted with APTwater (sole source) for the design and construction of the ARoNite™ nitrate treatment system. CVWD, with the assistance of SA Associates, will also advertise for bids and award contracts for the construction of the chlorination and electrical systems and related buildings, as well as geotechnical inspection services, construction management services, and construction staking services.

Activities needed to secure a contractor and award a contract includes developing the construction bid package, preparing advertisement and contractor documents for construction, a pre-bid contractors meeting, evaluating bids, selecting a contractor, awarding of contractor and issuing the notice to proceed.

Deliverables:

- Bid Proposal for ARoNite™ nitrate treatment system
- Bid documents
- Proof of Advertisement for bids
- Award Letters
- Notices to proceed

Task 11 Construction Administration

CVWD will perform construction administration activities. CVWD will prepare a request for proposal that will be awarded by the Board of Directors and will oversee the engineering firm which will provide construction management services. These construction management services include overseeing construction activities, inspection services, and environmental compliance by contractors. The construction manager will be on-site to document pre-construction conditions, daily construction activities, preparing/reviewing change orders and log submittals, addressing the contractor's questions, and project inspections. CVWD will oversee the geotechnical firm for geotechnical inspection services and the surveying firm for construction staking services.

Deliverables:

- Board of Director's Award of Contract Letter
- Construction inspection reports, upon request
- Geotechnical inspection report, upon request
- Photographic documentation
- Notice of Completion

Task 12 Construction/Implementation Activities

Construction activities will likely include, but are not limited to the following:

Subtask 12.1: Mobilization, Site Preparation and Underground Utilities

Contractor will prepare shop drawings for approval, mobilize equipment and materials on-site, installation of a project credit sign, perform site preparation and grading, and install underground utilities.

Deliverables:

- Approved Shop Drawings
- As-built drawings for the site and underground utilities
- Photographic documentation of Acknowledgment of Credit Sign

Subtask 12.2: Project Implementation

Project construction includes the following components:

- Install new nitrate removal treatment system within a new building – The nitrate removal treatment facility will include a separate pre-fabricated steel building constructed on a concrete slab that will house the ARoNite fixed-film biological process system called the Nitrate Building. The Nitrate Building will be approximately 31' x 24' (744 square foot (SF)) "car-port" type of structure with open sides on the north and west sides for maintenance.

An approximate 5,000 gallon feed tank will be installed inside the Nitrate Building for water coming in from Well 2. The AroNite treatment system will be installed inside an approximate 70 SF module tank that includes the ARO Reactor of hollow fiber filaments sheets that are spirally wound around water feed tubes which allows the biofilm to come in contact with the water as it passes through and reduces the nitrates to nitrogen and water. The biofilm is fed by hydrogen and carbon dioxide which are feed from chemical tanks located in the chlorination building. The water passes through a series of aeration tanks and filtration tanks to filter out the biofilm. Sodium hypochlorite tanks located in the chlorination building will add chlorine before discharging to the water distribution system. Small variable speed pumps (approximately 5 horsepower (HP) will be installed to move water through the treatment system. The facility will also include nitrate analyzers and chlorine analyzers to ensure the treated water meets the requirements of the State Water Resources Control Board, Division of Drinking Water (DDW). The Nitrate Building will also have power provided by the new Motor Control Center (MCC). A SCADA system with a programmable logic controller (PLC) will be installed as part of the nitrate treatment system for remote monitoring of the equipment and to part an alarm system for control.

- Install new chlorination building – The chlorination building will be a separate approximate 34' x 22' (748 SF) pre-fabricated steel and concrete building on a concrete slab that will include air compressor room, hydrogen generation equipment room, chemical room for sodium hypochlorite, phosphate, coagulant and chemical pumps, bathroom, storage room, laboratory/maintenance room, and electrical motor control center room.
- Install new onsite piping – approximately 50 feet of new 4-inch waterline piping will be installed above and below ground from Well 2 to the Nitrate Building and the Nitrate Building to the existing 6-inch waterline. Approximately 500 feet of additional piping will be installed for the air compressor, chlorination, phosphate, hydrogen, coagulant and electrical systems that range from ¼-inch to 4-inch.
- Installation of new Well 2 pump and motor and equipment – Installation and testing of a new 150 gpm submersible pump and motor assembly, approximately 120 feet of 4-inch PVC column piping, discharge head, water meter and miscellaneous pump & appurtenances.
- Installation of site improvements – includes site demolition, grading, new entrance gate, AC paving, site drainage, new water service from Glendale, approximately 60 feet of 4' high retaining walls, concrete pad for bulk carbon dioxide tanks, and miscellaneous site work.
- Installation of new electrical motor control center and electrical service – A new electrical motor control center will be installed in the chlorination building that will include power for the nitrate removal treatment system, the new pump and motor assembly for Well 2, the existing 20 Hp booster pumps, the existing SCADA and communication systems, existing chlorine analyzer, new lighting and other miscellaneous electrical power. Also included will be a new electrical transformer, electrical pad, electrical meter and connection to MCC from Glendale Water and Power.
- Install SCADA and communication system - Relocation of the existing SCADA and communication system and new SCADA equipment for Well 2 and the nitrate removal treatment system that will be connected to CVWD's main SCADA system.
- Installation of approximately 200 feet new 6-inch ABS sewer lateral with cleanouts, a new sewer manhole and connection to existing sewer lateral from the City of Glendale.

Deliverables:

- As-built drawings and manufacturers operation manuals for the ARoNite™ nitrate treatment system
- As-built drawings and manufacturers operation manuals for Site and Building Construction
- Photographic documentation

Subtask 12.3: Performance Testing

The Site Contractor will perform testing to verify that the systems meet the requirements of the contract documents and the State Water Resources Control Board, as follows:

- Electrical system testing;
- Telemetry system testing;
- New pump and assembly testing; and
- ARoNite™ nitrate treatment system testing.

Deliverables:

- Approval from CVWD and manufacturers verifying equipment meets the project specifications
- Approved State Water Resources Control Board to Amend CVWD's Water Supply Operating Permit
- Manufacturers operation manuals for ARoNite™ nitrate treatment system

Subtask 12.4: Demobilization

This subtask includes the following activities:

- Remove equipment and clean site prior to completing project
- Complete a final punch list; and
- As part of the Contract with APTwater, contractor will include one year of training for CVWD personnel to operate the ARoNite™ nitrate treatment system at no cost. Therefore, no additional cost is included as part of the grant and CVWD will not invoice DWR for this work effort.

Deliverables:

- Complete and approved punch list

PROJECT 18: Centralized Groundwater Treatment System

IMPLEMENTING AGENCY: City of Monterey Park

PROJECT DESCRIPTION: The City will build a centralized groundwater treatment system at its Delta Plant to replace aging, inefficient individual wellhead treatment systems. The centralized treatment system will provide an estimated additional 2,740 AFY of water supply and improve water quality for a DAC. It will enable the City to maximize production from its three U.S. Environmental Protection Agency designated "remedy wells", which are currently limited by the flow-through capacities of the existing wellhead treatment systems. The centralized treatment system will enable the City to increase the combined production from Wells 5, 12, and 15 from 5,700 gallons per minute (gpm) to 7,400 gpm, a net 2,740 AFY increase in local groundwater supply. The centralized treatment system will remove volatile organic compounds, 1,4-dioxane, and perchlorate while maintaining the City's capacity to blend down arsenic and nitrate concentrations.

Budget Category (a): Direct Project Administration

Task 1 Project Management

The City will prepare a Project Management Plan (PMP) describing how the grant funding will be managed. The PMP will specify that the Project be competitively bid at prevailing wages and will specify which labor, material, equipment, and professional service costs are eligible to be covered by grant funding. The PMP will include instructions to contractors, suppliers, and other service providers regarding invoicing frequency and procedures. It will also include procedures for notifications as budget line items are approached.

This task will also include aspects of managing the Grant Agreement as well as preparation of the grant application. Work will include ensuring compliance with grant requirements, preparation and submission of supporting grant documents, and coordination with the Grantee partnering agencies. City staff will prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee.

This task also includes other administrative responsibilities associated with the project such as coordinating with and managing consultants/contractors.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices and Backup Documentation for Reimbursement
- Other Applicable Project Deliverables

Task 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 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

The City already owns the Delta Plant in the City of Rosemead, where the Centralized Groundwater Treatment System will be built. However, negotiating an easement for a new subsurface pipeline in the existing Southern California Edison power line corridor between Well 5 and the Delta Plant is required; easement negotiation work is included in Subtask 12.5.

Deliverables: N/A

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

The 2006 study, *Policy Memo 97-005 Policy Guidance for Wells No. 9, No. 12, and No. 15, City of Monterey Park* was prepared to fulfill the requirements set forth in the Division of Drinking Water (DDW) Policy Memo 97-005 for the direct use of treated water from City Wells No. 9, No. 12 and No. 15 as drinking water sources for the City's customers. The Policy Memo evaluated alternatives for treating produced groundwater for individual production wells or groups of production wells. The 2011 study, *City of Monterey Park, Wells 5 & 6 Treatment System Upgrades, 2450 Charlotte Avenue, Rosemead, California*, included 100 percent design documents for the packed tower air stripper for Wells 5 & 6; however, the air stripper concept was shelved after the DDW requested treatment to remove 1,4-dioxane. This study also included evaluation of upgrades to the packed tower air stripper currently treating water produced from Wells 9, 12, & 15. The upgrades considered included increasing packing depth and installing a larger blower to increase the air/water ratio. The air stripper upgrades were shelved after DDW requested treatment to remove 1,4-dioxane.

Deliverables:

- Stetson Engineers Inc., June 2006, "*Policy Memo 97-005 Policy Guidance for Wells No. 9, No. 12, and No. 15, City of Monterey Park*," prepared for the San Gabriel Basin Water Quality Authority.
- Avocet Environmental, Inc., April 15, 2011, "*City of Monterey Park, Wells 5 & 6 Treatment System Upgrades, 2450 Charlotte Avenue, Rosemead, California*," 100 percent design drawings and specifications prepared for the City of Monterey Park.
- A copy of each study referenced above upon request

Task 6 CEQA Documentation

The project is categorically exempt from the California Environment Quality Act (CEQA) per Categorical Exemption 15302, "Replacement or Reconstruction." The project consists of replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially

the same purposes and capacity as the structure replaced. The City of Rosemead has concurred with the exemption, as the improvements are part of the existing plant treatment system. The City will work with the City of Rosemead to file a Notice of Exemption (NOE) with the County Clerk and will prepare a letter to DWR stating no legal challenges were encountered (or addressing legal challenges).

Deliverables:

- Copy of NOE
- No Legal Challenges letter to DWR

Task 7 Permitting

Obtain all necessary federal, state, and local permits. Permits may include:

- DDW permit application
- Watermaster Section 28 application
- 97-005 Policy Memo evaluation

Additional permits may be required and will be obtained as necessary.

Deliverables:

- Copy of all required permits

Task 8 Design

This task includes preparation of 20% and 100% designs. Preparation of the 20% design for the Centralized Groundwater Treatment System included several meetings with the EPA and the DDW and was completed in April 2013. The 100% design plans will be developed through a design-build contract.

Deliverables:

- 20% design drawings and specifications, upon request
- 100% design drawings and specifications for construction

Task 9 Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in **Exhibit J**) 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

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

This task includes activities necessary to secure a contractor and award a contract include developing the design-build request for proposal package, evaluating bids, selecting a contractor, awarding of contractor and issuing the notice to proceed.

Deliverables:

- Design-build request for proposal package
- Award of Contract
- Notice to Proceed

Task 11 Construction Administration

This task includes construction oversight and start-up of the treatment system. The design-build contract will include onsite oversight with input as appropriate from City Water Utility personnel at the Delta Plant and City Hall. This task also includes tracking and responding to Requests for Information (RFIs), ensuring conformance to design and specifications, design modifications/field changes, maintaining as-built drawings and specifications, preparing as-built reports, and preparing an Operation, Maintenance, & Monitoring (OMM) plan.

Deliverables:

- As-built reports, including drawings, and RFI log (upon request)
- OMM Plan (within 3 months of completing construction)
- Notice of Completion

Task 12 Construction/Implementation Activities

Construction activities will likely include, but are not limited to the following:

Subtask 12.1: Mobilization/Demobilization – This subtask includes the mobilization and demobilization of all project equipment and piping.

Deliverables: N/A

Subtask 12.2: Foundation and Structures – This subtask involves constructing the following:

- foundation pad for five Advanced Oxidation (AO) units;
- foundation pad for eighteen LGAC vessels;
- foundation pad for two pH adjustment ASTs;
- foundation pad for two backwash above ground storage tanks (ASTs); and
- Open-sided canopy over five AO units.

Deliverables:

- As-built drawings and photographic documentation
- Acknowledgment of Credit Sign

Subtask 12.3: Equipment and Piping – This subtask includes the ordering of AO units and other major equipment as well as installation of this equipment on foundation pads upon receipt. It also includes constructing piping connections and installing instrumentation. Much of interconnecting pipeline work will be above-ground, and piping from remedy wells will be partially below grade. Interconnecting pipeline is connection to vessels and includes treatment train manifolds, control valves, and static mixers. Remedy well piping is influent piping from remedy wells that supply the treatment train. This subtask consists of acquiring and installing the following equipment and piping:

- Trojan UVPHOX (3-reactor AO units, 2,600 gallons per minute (gpm) each);
- Bag filter housings (2,500 gpm each);

- 2,000-gal. high density polyethylene (HDPE) ASTs to store sodium hydroxide (NaOH) and hydrochloric acid (HCl) for pH adjustment;
- 20,000-gal backwash ASTs; Valves & fittings (allowance);
- Electrical/controls upgrades; Miscellaneous pipe supports, fittings, etc.;
- 18-inch diameter Ductile Iron pipeline, Wells 9, 12, & 15 to AO units;
- 24-inch diameter Ductile Iron pipeline, AO effluent to LGAC;
- 12-inch diameter Ductile Iron pipeline, backwash line;
- 4-inch diameter PVC communications conduit.

Deliverables:

- As-built drawings and photographic documentation
- Acknowledgment of Credit Sign

Subtask 12.4: Relocate Existing IX and LGAC Vessels – This subtask includes:

- relocating ten - 20,000 pound empty IX vessels from their current locations and installing them on a new foundation pad; and
- installing piping interconnections for the single-pass operation; and
- installing initial charges of LGAC (200,000 lbs total).

Deliverables:

- As-built drawings and photographic documentation
- Acknowledgment of Credit Sign

Subtask 12.5: Connect Well 5

This subtask includes:

- negotiating the easement for new subsurface pipeline in the existing Southern California Edison power line corridor between Well 5 and the Delta Plant;
- the construction of a utility bridge for the new pipeline and access over Alhambra Wash; and
- the installation of 1,500 linear feet of 12-inch diameter ductile iron pipe.

Deliverables:

- As-built drawings and photographic documentation
- Acknowledgment of Credit Sign

Subtask 12.6: Performance Testing – Upon substantial completion of construction, this subtask will include:

- testing the system for correct mechanical/electrical operation, including all safety interlocks, prior to contractor demobilization;

- testing the system to demonstrate treatment efficiency for VOCs and 1,4-dioxane;
- pumping of off-spec water to disposal in the sewer while variables (e.g., hydrogen peroxide dosage, pH) are adjusted based on the sampling of treated effluent;
- system shutdown while DDW evaluates results, during which time existing the air stripper and LGAC systems would remain in operation; and
- DDW approval to bring the system online (at which time existing air stripper and LGAC systems would be retired).

Deliverables:

- System startup operational data submittal to DDW to demonstrate proof-of-concept.
- Copy of above Performance Testing documentation

PROJECT 19: Big Dalton Spreading Grounds Improvement Project

IMPLEMENTING AGENCY: Los Angeles County Flood Control District

PROJECT DESCRIPTION: This project will produce approximately 810 AFY of water supply by improving stormwater recharge to the Glendora Groundwater Basin via Big Dalton Spreading Grounds. The project includes the reconfiguration and deepening of the existing basins in the spreading grounds, constructing a diversion system from the Little Dalton Diversion Channel, and replacing the facility's manual gates with new automated electronic gates.

Budget Category (a): Direct Project Administration

Task 1 Project Management

This task includes aspects of managing the Grant Agreement, preparation of the grant application, compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. Prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies, including the development of Memorandum of Understandings (MOUs), managing consultants/contractors, and general project management, beginning with development of the Project Concept.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- MOUs with Three Valleys Municipal Water District (TVMWD) and the City of Glendora, upon request.
- Invoices and Backup Documentation for Reimbursement

Task 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 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit (G)** of this Agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of **Exhibit G**.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

The project does not require the purchase of land or the acquisition of an easement.

Deliverables: N/A

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

A Draft Project Concept Report has been prepared as part of the project development process. Once approved by Grantee's management, the project will enter the design phase. Other items completed under this task include project scoping and investigations for the development of the Project Concept Report.

Deliverables:

- Approved Project Concept Report, upon request

Task 6 CEQA Documentation

The Project has been investigated by Grantee's Environmental Permits and Compliance Unit with respect to CEQA. It was determined that the project is statutorily exempt under CEQA Guidelines Section 15282 (k) because the Project's proposed pipeline does not exceed one mile in length. The Project is also categorically exempt from CEQA per Section 15301 class 1 (d) because the project consists of restoring an existing facility to its previous condition to increase ground water recharge capacity to address the state's mission of water conservation. This task includes the preparation and filing of a Notice of Exemption, as well as, a letter to DWR stating no legal challenges (or addressing legal challenges).

Deliverables:

- Notice of Exemption
- No Legal Challenges letter to DWR

Task 7 Permitting

Obtain all necessary federal, state, and local permits. Permits may include:

- Section 408 Permit from the US Army Corps of Engineers (USACE)
- Section 404 Permit from the USACE
- Section 401 Certification from the Regional Water Quality Control Board (RWQCB)
- California Department of Fish and Wildlife Streambed Alteration Agreement (SAA) Permit

Additional permits may be required and will be obtained as necessary.

Deliverables:

- Copy of all required permits

Task 8 Design

The 60%, 90%, and 100% (Final) Design Plans, Engineer's Estimate, and specifications will be prepared as part of this task. In addition, design work will include preparation of a geotechnical investigation, design survey, site screenings, and a utility search.

Deliverables:

- Engineer's Cost Estimate
- 100% Design Plans and Specifications

Task 9 Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in **Exhibit J**) 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

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

Activities necessary to secure a contractor and award a contract include developing the construction bid documents, advertising the Project, opening and evaluating bids, awarding the Project, and issuing the Notice to Proceed.

Deliverables:

- Request for Proposal
- Award of contract
- Notice to proceed

Task 11 Construction Administration

Construction administration activities include: construction supervision, answering requests for information, and issuing work directives. A construction inspector will be on site for the duration of the project to document pre-construction conditions, daily construction activities, and perform inspections. The construction inspector will answer questions of the contractors on site, review and update the Project schedule, review change orders, log submittals, and pay requests.

Deliverables:

- Contractor Summary Progress Reports, upon request
- Notice of Completion

Task 12 Construction/Implementation Activities

Construction activities will likely include, but are not limited to the following:

Subtask 12.1: Mobilization – Mobilization and site preparation will include setting up equipment and materials at the project site, site security, and signage.

Subtask 12.2: Project Construction – The original nine percolation basins and one desilting basin will be reconfigured into three percolation basins and one modified desilting basin. These activities, and associated improvements, include the following:

- Remove approximately 83,000 cubic yards (CY) of sediment, including silt material, from the basins.

- The sediment will be transported via truck and disposed of at a Sediment Placement Site, which will be determined during the design phase of the project.
- Flashboard systems between the basins will be replaced with new interbasin structures with slide gates.
- An approximately 12-foot deep slurry wall will be constructed on the east side of the spreading grounds between the previously abandoned basins and the Big Dalton Wash.
- Update the existing intake junction box from the Big Dalton Debris Basin with an automated slide gate with an electric motor operator (EMO) and a rubber dam.
- Install electrical conduit to power the automated features at the intake diversion structure.

Additionally, a new intake and diversion system will be constructed within the Little Dalton Diversion channel on the west side of Big Dalton Spreading Grounds to accept stormwater flows from the Little Dalton Debris Basin. The new diversion system will include construction of the following:

- Approximately 180 linear feet of 36" diameter reinforced concrete pipeline.
- An approximately 48" by 48" slide gate with EMOs.
- A rubber dam and controls.
- A control house.
- Approximately 10 CY of structural concrete and approximately 30 CY of rip rap.

Other: A Stormwater Pollution Prevention Plan (SWPPP) will be developed and implemented during construction if it is found to be required for the project.

Deliverables:

- Photographic Documentation
- Photographic Documentation of Acknowledgment of Credit Sign
- SWPPP (if appropriate)
- As-Built Drawings
- Final Project Certification

Subtask 12.3: Demobilization and Performance Testing – Demobilization will include removing equipment and materials from the project site and returning the project site to pre-construction conditions. Performance testing will include testing the equipment, such as the installation of the proposed electronic motor operators to ensure they are meeting performance and function requirements.

Deliverables:

- Final Project Certification

**EXHIBIT B
BUDGET**

Summary Budget Table: Greater Los Angeles County IRWM - 2015 - Prop. 84 Implementation Grant							
Grantee: Los Angeles County Flood Control District							
Project No.	Project Title	Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost	Required Funding Match - Percent (%)
1	Advanced Water Meter Replacement Project (Gateway WMA)	\$ 745,902	\$ 400,000	\$ -	\$ 323,763	\$ 1,469,665	
2	Southeast Water Efficiency Program (Gateway WMA)	\$ 745,902	\$ 315,000	\$ -	\$ 98,531	\$ 1,159,433	
3	Gateway Cities Regional Recycled Water System Expansion Project (Gateway WMA)*	\$ 920,811	\$ -	\$ -	\$ 125,332	\$ 1,046,143	
4	Franklin D. Roosevelt Park Regional BMP Project (LA County)	\$ 2,050,000	\$ 2,130,000	\$ -	\$ 3,685,265	\$ 7,865,265	
5	Paramount Blvd. Turf Replacement Project (Lakewood)	\$ 1,000,000	\$ 550,000	\$ -	\$ 477,418	\$ 2,027,418	
6	Comprehensive Water Conservation Project (Malibu)	\$ 1,059,260	\$ 480,000	\$ -	\$ 95,232	\$ 1,634,492	
7	Las Virgenes - Calleguas Municipal Water Districts Interconnection Project (Las Virgenes MWD)	\$ 1,975,517	\$ 2,500,000	\$ -	\$ 4,731,877	\$ 9,207,394	
8	Urban Streams Restoration in the Malibu Creek Watershed (Mountains Restoration Trust)	\$ 628,805	\$ 100,000	\$ -	\$ 57,205	\$ 786,010	
9	Las Virgenes Creek Restoration Project - Phase II (Calabasas)	\$ 645,200	\$ 500,000	\$ 676,735	\$ -	\$ 1,821,935	
10	Inglewood New Well No. 7 (Inglewood)	\$ 1,180,117	\$ 540,000	\$ -	\$ 287,022	\$ 2,007,139	
11	North Torrance Well Field Project, Phase III (Torrance)	\$ 3,068,305	\$ 5,000,000	\$ -	\$ 10,007,137	\$ 18,075,442	
12	Recycled Water Supply for Palos Verdes Golf Course (WBMWD)	\$ 2,045,537	\$ 2,500,000	\$ -	\$ 4,725,892	\$ 9,271,429	
13	Upper Los Angeles River Big Tujunga Restoration Arundo Eradication Project (National Forest Foundation)	\$ 792,411	\$ 600,000	\$ 150,000	\$ 698,353	\$ 2,240,764	
14	Water LA Neighborhood Retrofits - Northeast San Fernando Valley (The River Project)*	\$ 900,000	\$ -	\$ -	\$ 1,808,748	\$ 2,708,748	
15	Hoover, Toll, & Keppel School Recycled Water Project (Glendale)	\$ 1,687,499	\$ 700,000	\$ -	\$ 207,991	\$ 2,595,490	
16	Lopez Spreading Grounds Improvement (LACFCD)	\$ 1,297,976	\$ 1,700,000	\$ -	\$ 3,238,324	\$ 6,236,300	
17	Crescenta Valley Water District Nitrate Removal Treatment Facility at Well 2 Project (CVWD)	\$ 705,774	\$ 500,000	\$ -	\$ 619,226	\$ 1,825,000	
18	Centralized Groundwater Treatment System (Monterey Park)	\$ 4,130,400	\$ 2,225,000	\$ -	\$ 1,876,723	\$ 8,232,123	
19	Big Dalton Spreading Grounds Improvement Project (LACFCD)	\$ 2,163,559	\$ 1,170,000	\$ -	\$ 991,058	\$ 4,324,617	
Totals:		\$27,742,975	\$ 21,910,000	\$ 826,735	\$ 34,055,097	\$84,534,807	27.1%

*Granted a DAC Funding Match Waiver

Project 1 - Advanced Water Meter Replacement Project						
Project Sponsor: Gateway Water Management Authority						
Budget Category	Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost	
a	Direct Project Administration	\$ 50,000	\$ -	\$ -	\$ 40,610	\$ 90,610
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -
c	Planning/Design/Engineering/Environmental Documentation	\$ -	\$ -	\$ -	\$ 11,500	\$ 11,500
d	Construction/Implementation Activities	\$ 695,902	\$ 400,000	\$ -	\$ 271,653	\$ 1,367,555
Totals:		\$ 745,902	\$ 400,000	\$ -	\$ 323,763	\$ 1,469,665

Project 2 - Southeast Water Efficiency Program						
Project Sponsor: Gateway Water Management Authority						
Budget Category	Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost	
a	Direct Project Administration	\$ 63,057	\$ -	\$ -	\$ 30,427	\$ 93,485
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -
c	Planning/Design/Engineering/Environmental Documentation	\$ -	\$ -	\$ -	\$ 5,738	\$ 5,738
d	Construction/Implementation Activities	\$ 682,844	\$ 315,000	\$ -	\$ 62,366	\$ 1,060,210
Totals:		\$ 745,902	\$ 315,000	\$ -	\$ 98,531	\$ 1,159,433

Project 3 - Gateway Cities Regional Recycled Water System Expansion Project						
Project Sponsor: Gateway Water Management Authority						
Budget Category		Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost
a	Direct Project Administration	\$ 107,161	\$ -	\$ -	\$ 34,927	\$ 142,088
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -
c	Planning/Design/Engineering/Environmental Documentation	\$ 813,650	\$ -	\$ -	\$ 90,405	\$ 904,055
d	Construction/Implementation Activities	\$ -	\$ -	\$ -	\$ -	\$ -
Totals:		\$ 920,811	\$ -	\$ -	\$ 125,332	\$ 1,046,143

Project 4 - Franklin D. Roosevelt Park Regional BMP Project						
Project Sponsor: County of Los Angeles						
Budget Category		Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost
a	Direct Project Administration	\$ -	\$ -	\$ -	\$ 700,848	\$ 700,848
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -
c	Planning/Design/Engineering/Environmental Documentation	\$ -	\$ 130,000	\$ -	\$ 1,088,977	\$ 1,218,977
d	Construction/Implementation Activities	\$ 2,050,000	\$ 2,000,000	\$ -	\$ 1,895,440	\$ 5,945,440
Totals:		\$ 2,050,000	\$ 2,130,000	\$ -	\$ 3,685,265	\$ 7,865,265

Project 5 - Paramount Blvd. Turf Replacement Project (Lakewood)						
Project Sponsor: Gateway Water Management Authority						
Budget Category		Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost
a	Direct Project Administration	\$ -	\$ -	\$ -	\$ 96,029	\$ 96,029
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -
c	Planning/Design/Engineering/Environmental Documentation	\$ -	\$ -	\$ -	\$ 170,496	\$ 170,496
d	Construction/Implementation Activities	\$ 1,000,000	\$ 550,000	\$ -	\$ 210,893	\$ 1,760,893
Totals:		\$ 1,000,000	\$ 550,000	\$ -	\$ 477,418	\$ 2,027,418

Project 6 - Comprehensive Water Conservation Project						
Project Sponsor: City of Malibu						
Budget Category		Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost
a	Direct Project Administration	\$ 62,076	\$ -	\$ -	\$ 35,449	\$ 97,525
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -
c	Planning/Design/Engineering/Environmental Documentation	\$ 24,900	\$ -	\$ -	\$ -	\$ 24,900
d	Construction/Implementation Activities	\$ 972,284	\$ 480,000	\$ -	\$ 59,783	\$ 1,512,067
Totals:		\$ 1,059,260	\$ 480,000	\$ -	\$ 95,232	\$ 1,634,492

Project 7 - Las Virgenes - Calleguas Municipal Water Districts Interconnection Project						
Project Sponsor: Las Virgenes MWD						
Budget Category		Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost
a	Direct Project Administration	\$ 27,591	\$ -	\$ -	\$ 131,406	\$ 158,997
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -
c	Planning/Design/Engineering/Environmental Documentation	\$ 156,888	\$ -	\$ -	\$ 575,440	\$ 732,328
d	Construction/Implementation Activities	\$ 1,791,039	\$ 2,500,000	\$ -	\$ 4,025,030	\$ 8,316,069
Totals:		\$ 1,975,517	\$ 2,500,000	\$ -	\$ 4,731,876	\$ 9,207,394

Project 8 - Urban Streams Restoration in the Malibu Creek Watershed						
Project Sponsor: Mountains Restoration Trust						
Budget Category		Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost
a	Direct Project Administration	\$ 47,568	\$ 1,000	\$ -	\$ 4,257	\$ 52,825
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -
c	Planning/Design/Engineering/Environmental Documentation	\$ 14,000	\$ 9,000	\$ -	\$ 24,807	\$ 47,807
d	Construction/Implementation Activities					
	(A) Break-out for Required Match - 72% (of total Cat. D requirement):	\$ 567,237	\$ 65,000	\$ -	\$ -	\$ 632,237
	(B) Break-out for Required Match - 28% (of total Cat. D requirement):	\$ -	\$ 25,000	\$ -	\$ 28,141	\$ 53,141
	Subtotal (d):	\$ 567,237	\$ 90,000	\$ -	\$ 28,141	\$ 685,378
Totals:		\$ 628,805	\$ 100,000	\$ -	\$ 57,205	\$ 786,010

Project 9 - Las Virgenes Creek Restoration Project - Phase II						
Project Sponsor: City of Calabasas						
Budget Category		Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost
a	Direct Project Administration	\$ -	\$ 230,000	\$ -	\$ -	\$ 230,000
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -
c	Planning/Design/Engineering/Environmental Documentation	\$ -	\$ 255,000	\$ -	\$ -	\$ 255,000
d	Construction/Implementation Activities	\$ 645,200	\$ 15,000	\$ 676,735	\$ -	\$ 1,336,935
Totals:		\$ 645,200	\$ 500,000	\$ 676,735	\$ -	\$ 1,821,935

Project 10 - Inglewood New Well No. 7						
Project Sponsor: City of Inglewood						
Budget Category		Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost
a	Direct Project Administration	\$ 34,325	\$ -	\$ -	\$ 29,051	\$ 63,376
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -
c	Planning/Design/Engineering/Environmental Documentation	\$ 83,869	\$ -	\$ -	\$ 58,765	\$ 142,634
d	Construction/Implementation Activities	\$ 1,061,923	\$ 540,000	\$ -	\$ 199,206	\$ 1,801,129
Totals:		\$ 1,180,117	\$ 540,000	\$ -	\$ 287,022	\$ 2,007,139

Project 11 - North Torrance Well Field Project, Phase III						
Project Sponsor: City of Torrance						
Budget Category	Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost	
a	Direct Project Administration	\$ 76,708	\$ -	\$ -	\$ 81,675	\$ 158,383
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ 613,869	\$ 613,869
c	Planning/Design/Engineering/Environmental Documentation	\$ -	\$ -	\$ -	\$ 1,737,582	\$ 1,737,582
d	Construction/Implementation Activities	\$ 2,991,597	\$ 5,000,000	\$ -	\$ 7,574,011	\$ 15,565,608
Totals:		\$ 3,068,305	\$ 5,000,000	\$ -	\$10,007,137	\$ 18,075,442

Project 12 - Recycled Water Supply for Palos Verdes Golf Course						
Project Sponsor: West Basin Municipal Water District						
Budget Category	Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost	
a	Direct Project Administration	\$ -	\$ -	\$ -	\$ 447,337	\$ 447,337
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000
c	Planning/Design/Engineering/Environmental Documentation	\$ -	\$ -	\$ -	\$ 1,114,470	\$ 1,114,470
d	Construction/Implementation Activities	\$ 2,045,537	\$ 2,500,000	\$ -	\$ 2,164,086	\$ 6,709,622
Totals:		\$ 2,045,537	\$ 2,500,000	\$ -	\$ 4,725,893	\$ 9,271,429

Project 13 - Upper Los Angeles River Big Tujunga Restoration Arundo Eradication Project						
Project Sponsor: National Forest Foundation						
Budget Category	Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost	
a	Direct Project Administration	\$ 53,445	\$ -	\$ 15,000	\$ 130,763	\$ 199,208
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -
c	Planning/Design/Engineering/Environmental Documentation	\$ 4,000	\$ -	\$ 5,000	\$ 37,256	\$ 46,256
d	Construction/Implementation Activities	\$ 734,966	\$ 600,000	\$ 130,000	\$ 530,334	\$ 1,995,300
Totals:		\$ 792,411	\$ 600,000	\$ 150,000	\$ 698,353	\$ 2,240,764

Project 14 - Water LA Neighborhood Retrofits - Northeast San Fernando Valley						
Project Sponsor: The River Project						
Budget Category	Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost	
a	Direct Project Administration	\$ 186,054	\$ -	\$ -	\$ 328,887	\$ 514,940
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -
c	Planning/Design/Engineering/Environmental Documentation	\$ 78,783	\$ -	\$ -	\$ 263,314	\$ 342,097
d	Construction/Implementation Activities	\$ 635,164	\$ -	\$ -	\$1,216,547	\$ 1,851,710
Totals:		\$ 900,000	\$ -	\$ -	\$1,808,748	\$ 2,708,748

Project 15 - Hoover, Toll, & Keppel School Recycled Water Project						
Project Sponsor: City of Glendale						
Budget Category	Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost	
a	Direct Project Administration	\$ 26,352	\$ -	\$ -	\$ 82,702	\$ 109,054
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -
c	Planning/Design/Engineering/Environmental Documentation	\$ 64,498	\$ -	\$ -	\$ 39,056	\$ 103,554
d	Construction/Implementation Activities	\$ 1,596,649	\$ 700,000	\$ -	\$ 86,234	\$ 2,382,883
Totals:		\$ 1,687,499	\$ 700,000	\$ -	\$ 207,991	\$ 2,595,490

Project 16 - Lopez Spreading Grounds Improvement						
Project Sponsor: Los Angeles County Flood Control District						
Budget Category	Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost	
a	Direct Project Administration	\$ -	\$ -	\$ -	\$ 292,615	\$ 292,615
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -
c	Planning/Design/Engineering/Environmental Documentation	\$ 297,976	\$ -	\$ -	\$ 569,864	\$ 867,840
d	Construction/Implementation Activities	\$ 1,000,000	\$ 1,700,000	\$ -	\$ 2,375,846	\$ 5,075,846
Totals:		\$ 1,297,976	\$ 1,700,000	\$ -	\$ 3,238,325	\$ 6,236,300

Project 17 - Crescenta Valley Water District Nitrate Removal Treatment Facility at Well 2 Project						
Project Sponsor: Crescenta Valley Water District						
Budget Category		Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost
a	Direct Project Administration	\$ 24,449	\$ -	\$ -	\$ 38,767	\$ 63,216
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -
c	Planning/Design/Engineering/Environmental Documentation	\$ 54,055	\$ -	\$ -	\$ 85,720	\$ 139,775
d	Construction/Implementation Activities	\$ 627,270	\$ 500,000	\$ -	\$ 494,740	\$ 1,622,010
Totals:		\$ 705,774	\$ 500,000	\$ -	\$ 619,226	\$ 1,825,000

Project 18 - Centralized Groundwater Treatment System						
Project Sponsor: City of Monterey Park						
Budget Category		Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost
a	Direct Project Administration	\$ -	\$ -	\$ -	\$ 165,663	\$ 165,663
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -
c	Planning/Design/Engineering/Environmental Documentation	\$ -	\$ -	\$ -	\$ 258,660	\$ 258,660
d	Construction/Implementation Activities	\$ 4,130,400	\$ 2,225,000	\$ -	\$ 1,452,400	\$ 7,807,800
Totals:		\$ 4,130,400	\$ 2,225,000	\$ -	\$ 1,876,723	\$ 8,232,123

Project 19 - Big Dalton Spreading Grounds Improvement Project						
Project Sponsor: Los Angeles County Flood Control District						
Budget Category		Grant Amount	Cost Share: Non-State Fund Source (Required Funding Match)	Cost Share: Other State Funding Sources	Additional Cost Share	Total Cost
a	Direct Project Administration	\$ 29,915	\$ -	\$ -	\$ 240,977	\$ 270,892
b	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	\$ -
c	Planning/Design/Engineering/Environmental Documentation	\$ 450,000	\$ -	\$ -	\$ 326,456	\$ 776,456
d	Construction/Implementation Activities	\$ 1,683,644	\$ 1,170,000	\$ -	\$ 423,625	\$ 3,277,269
Totals:		\$ 2,163,559	\$ 1,170,000	\$ -	\$ 991,058	\$ 4,324,617

**EXHIBIT C
 SCHEDULE**

Project 1 - Gateway Water Management Authority Advanced Water Meter Replacement Project	Start Date	End Date
Task 1: Project Management	Jun-16	Sep-19
Task 2: Labor Compliance Program	Jul-16	Jul-18
Task 3: Reporting	Jul-16	Sep-19
Task 4: Land Purchase/Easement - Not applicable		
Task 5: Planning Documentation (modeled after the AMI Program)	Jan-09	Dec-16
Task 6: CEQA Documentation	Jul-16	Oct-16
Task 7: Permitting - Not applicable		
Task 8: Design - Not applicable		
Task 9: Project Monitoring Plan	Aug-16	Dec-16
Task 10: Construction Contracting	Oct-16	Dec-16
Task 11: Construction Administration	Dec-16	Jul-19
Task 12: Construction/Implementation Activities	Dec-16	Jul-19

Project 2 - Gateway Water Management Authority Southeast Water Efficiency Program	Start Date	End Date
Task 1: Project Management	Jun-16	Oct-20
Task 2: Labor Compliance Program	Oct-16	Oct-20
Task 3: Reporting	Sep-16	Oct-20
Task 4: Land Purchase/Easement - Not applicable		
Task 5: Planning Documentation (modeled after the Water Conserv./Management/Ed. Program)	Jun-15	Apr-16
Task 6: CEQA Documentation	Jan-16	Mar-16
Task 7: Permitting - Not applicable		
Task 8: Design - Not applicable		
Task 9: Project Monitoring Plan	Jan-17	Oct-20
Task 10: Construction Contracting	Jul-16	Nov-16
Task 11: Construction Administration	Sep-16	Oct-20
Task 12: Construction/Implementation Activities	Sep-16	Oct-20
Subtask 12.1: Site Development	Mar-16	Jun-17
Subtask 12.2: Program Outreach and Customer Enrollment	Apr-16	Jun-17
Subtask 12.3: Water Audits	Jan-17	Aug-20
Subtask 12.4: Equipment Recommendations and Procurement	Jan-17	Sep-20
Subtask 12.5: Start-up and Testing	Feb-17	Oct-20

Project 3 - Gateway Water Management Authority Gateway Cities Regional Recycled Water System Expansion	Start Date	End Date
Task 1: Project Management	Jun-15	Feb-18
Task 2: Labor Compliance Program - Not applicable		
Task 3: Reporting	Dec-15	Feb-18
Task 4: Land Purchase/Easement - Not applicable		
Task 5: Planning Documentation	Jan-15	Aug-16
Task 6: CEQA Documentation	Jun-16	Sep-16
Task 7: Permitting	Apr-16	Apr-17
Task 8: Design	Apr-16	Dec-17
Task 9: Project Monitoring Plan - Not applicable		
Task 10: Construction Contracting - Not applicable		
Task 11: Construction Administration - Not applicable		
Task 12: Construction/Implementation Activities - Not applicable		

Project 4 - County of Los Angeles Franklin D. Roosevelt Park Regional BMP Project	Start Date	End Date
Task 1: Project Management	Jun-15	Sep-19
Task 2: Labor Compliance Program	Dec-17	Jun-19
Task 3: Reporting	Dec-15	Sep-19
Task 4: Land Purchase/Easement		
Task 5: Planning Documentation (completed)	Aug-13	Aug-13
Task 6: CEQA Documentation	Dec-16	Dec-17
Task 7: Permitting - Not applicable		
Task 8: Design	Jan-15	Jul-17
Task 9: Project Monitoring Plan	Jul-17	Dec-17
Task 10: Construction Contracting	Dec-17	Mar-18
Task 11: Construction Administration	Apr-18	Jun-19
Task 12: Construction/Implementation Activities	Apr-18	Jun-19
Subtask 12.1: Mobilization	Jun-18	Dec-18
Subtask 12.2: Infiltration Basins	Jun-18	Mar-19
Subtask 12.3: Re-vegetation, Bioswales, & Other Park Imp.	Mar-19	Jun-19
Subtask 12.4: Demobilization	Mar-19	Jun-19

Project 5 - Gateway Water Management Authority Paramount Blvd. Turf Replacement Project (Lakewood)	Start Date	End Date
Task 1: Project Management	Jun-15	Jul-18
Task 2: Labor Compliance Program	May-17	Jun-18
Task 3: Reporting	May-16	Jul-18
Task 4: Land Purchase/Easement		
Task 5: Planning Documentation	Aug-16	Sep-16
Task 6: CEQA Documentation	Aug-16	Oct-16
Task 7: Permitting - Not applicable		
Task 8: Design	Aug-16	Feb-17
Task 9: Project Monitoring Plan	Aug-16	Sep-16
Task 10: Construction Contracting	Jan-17	Apr-17
Task 11: Construction Administration	May-17	May-18
Task 12: Construction/Implementation Activities	May-17	May-18
Subtask 12.1: Mobilization	May-17	Jun-17
Subtask 12.2: Project Construction	Jun-17	Jan-18
Subtask 12.3: Demobilization	Feb-18	May-18

Project 6 - City of Malibu Comprehensive Water Conservation Project	Start Date	End Date
Task 1: Project Management	Nov-15	Nov-19
Task 2: Labor Compliance Program	Jun-16	Aug-19
Task 3: Reporting	Sep-16	Nov-19
Task 4: Land Purchase/Easement - Not applicable		
Task 5: Feasibility Studies - Not applicable		
Task 6: CEQA Documentation	Mar-16	Sep-16
Task 7: Permitting - Not applicable		
Task 8: Design - Not applicable		
Task 9: Project Monitoring Plan	Nov-16	Dec-16
Task 10: Construction Contracting - Not applicable		
Task 11: Construction Administration	Nov-16	Nov-19
Task 12: Construction/Implementation Activities	Nov-17	Aug-19
Subtask 12.1: Customer Targeting and Project Marketing	Nov-17	Jun-19
Subtask 12.2: Rebate Implementation and Incentives	Jan-17	Aug-19
Subtask 12.3: Equipment Procurement	Aug-16	Jun-19
Subtask 12.4: Installations	Sep-16	Aug-19

Project 7 - Las Virgenes Municipal Water District Las Virgenes - Calleguas Municipal Water Districts Interconnection Project	Start Date	End Date
Task 1: Project Management	Jun-15	Mar-18
Task 2: Labor Compliance Program	Jan-16	Mar-18
Task 3: Reporting	Jan-16	Mar-18
Task 4: Land Purchase/Easement - Not applicable		
Task 5: Feasibility Studies	Jun-15	Dec-16
Task 6: CEQA Documentation	Apr-16	Dec-16
Task 7: Permitting	Sep-16	Jun-18
Task 8: Design	Sep-16	Jun-17
Task 9: Project Monitoring Plan	Nov-16	Jun-17
Task 10: Construction Contracting	Dec-16	Oct-17
Task 11: Construction Administration	Dec-16	Mar-18
Task 12: Construction/Implementation Activities	Jan-17	Oct-17
Subtask 12.1: Mobilization and Site Preparation	Jan-17	Dec-17
Subtask 12.2: Project Construction	Jan-17	Dec-17
Subtask 12.3: Performance Testing and Demobilization	Nov-17	Dec-17

Project 8 - Mountains Restoration Trust Urban Streams Restoration in the Malibu Creek Watershed	Start Date	End Date
Task 1: Project Management	Jun-15	Oct-19
Task 2: Labor Compliance Program - Not applicable		
Task 3: Reporting	Aug-16	Oct-19
Task 4: Land Purchase/Easement - Not applicable		
Task 5: Feasibility Studies	Jun-11	Feb-13
Task 6: CEQA Documentation	Dec-15	Jul-16
Task 7: Permitting	Jun-14	Nov-16
Task 8: Design	Nov-12	Jul-16
Task 9: Project Monitoring Plan	Mar-16	Aug-16
Task 10: Construction Contracting - Not applicable		
Task 11: Construction Administration	Apr-16	Sep-19
Task 12: Construction/Implementation Activities	Apr-16	Sep-19
Subtask 12.1: Mobilization	Aug-16	Oct-16
Subtask 12.2: Restoration (3.5 years)	Aug-16	Sep-19
Subtask 12.3: Monitoring	Aug-16	Sep-19
Subtask 12.4: Demobilization	Aug-19	Sep-19

Project 9 - City of Calabasas Las Virgenes Creek Restoration Project - Phase II	Start Date	End Date
Task 1: Project Management	Jun-15	Jul-18
Task 2: Labor Compliance Program	Jan-16	Jun-17
Task 3: Reporting	Dec-15	Jul-18
Task 4: Land Purchase/Easement - Not applicable		
Task 5: Feasibility Studies	Oct-14	Jan-15
Task 6: CEQA Documentation	Aug-15	Dec-15
Task 7: Permitting	Oct-15	Jul-16
Task 8: Design	Dec-14	Aug-16
Task 9: Project Monitoring Plan	Aug-15	Mar-18
Task 10: Construction Contracting	Oct-15	Sep-16
Task 11: Construction Administration	Feb-16	Jun-17
Task 12: Construction/Implementation Activities	Mar-16	Jun-17
Subtask 12.1: Pre-Migratory Bird Mobilization and Site Preparat	Mar-16	May-16
Subtask 12.2: Pre-Construction Mobilization and Staging	May-16	Jun-16
Subtask 12.3: Creek Restoration and Bank Stabilization	Jun-16	May-17
Subtask 12.4: Demobilization	Jun-17	Jun-17

Project 10 - City of Inglewood Inglewood New Well No. 7	Start Date	End Date
Task 1: Project Management	Aug-16	May-18
Task 2: Labor Compliance Program	Nov-16	Dec-17
Task 3: Reporting	Dec-15	May-18
Task 4: Land Purchase/Easement - Not applicable		
Task 5: Feasibility Studies (completed)	Oct-13	Apr-14
Task 6: CEQA Documentation	Oct-14	Dec-14
Task 7: Permitting	Mar-16	Oct-16
Task 8: Design	Jan-15	Feb-16
Task 9: Project Monitoring Plan	Jul-16	Sep-16
Task 10: Construction Contracting	Aug-16	Oct-16
Task 11: Construction Administration	Nov-16	Feb-18
Task 12: Construction/Implementation Activities	Nov-16	Feb-18
Subtask 12.1: Mobilization and Site Preparation	Nov-16	Nov-16
Subtask 12.2: Project Construction	Dec-16	Dec-17
Subtask 12.3: Performance Testing and Demobilization	Jan-18	Feb-18

Project 11 - City of Torrance North Torrance Well Field Project, Phase III	Start Date	End Date
Task 1: Project Management	Jun-15	May-19
Task 2: Labor Compliance Program	Jul-16	Dec-18
Task 3: Reporting	Dec-15	May-19
Task 4: Land Purchase/Easement (completed)	Jan-07	Jul-15
Task 5: Feasibility Studies (completed)	May-04	Mar-14
Task 6: CEQA Documentation (completed)	Jan-15	Jul-15
Task 7: Permitting	Jul-15	Aug-18
Task 8: Design	Nov-10	Aug-18
Task 9: Project Monitoring Plan	Aug-17	Nov-17
Task 10: Design/Construction Contracting	Jul-16	Dec-16
Task 11: Design/Construction Administration	Dec-16	Dec-18
Task 12: Construction/Implementation Activities	Dec-16	Feb-19
Subtask 12.1: Mobilization	Dec-16	Feb-17
Subtask 12.2: Project Construction	Feb-17	Dec-18
Subtask 12.3: Performance Testing and Demobilization	Jan-19	Feb-19

Project 12 - West Basin Municipal Water District Recycled Water Supply for Palos Verdes Golf Course	Start Date	End Date
Task 1: Project Management	Jun-15	Jul-19
Task 2: Labor Compliance Program	Feb-18	Apr-19
Task 3: Reporting	Dec-15	Jul-19
Task 4: Land Purchase/Easement	Feb-16	Jan-17
Task 5: Feasibility Studies	Jul-15	Feb-16
Task 6: CEQA Documentation	Aug-15	Feb-17
Task 7: Permitting	Aug-17	May-18
Task 8: Design	Feb-17	Feb-18
Task 9: Project Monitoring Plan	Aug-16	Apr-19
Task 10: Construction Contracting	Feb-18	Apr-18
Task 11: Construction Administration	Nov-17	Apr-19
Task 12: Construction/Implementation Activities	Apr-18	Apr-19
Subtask 12.1: Mobilization and Site Preparation	Apr-18	Jun-18
Subtask 12.2: Project Construction	Apr-18	Apr-19
Subtask 12.3: Performance Testing and Demobilization	Feb-19	Apr-19

Project 13 - National Forest Foundation Upper Los Angeles River Big Tujunga Restoration Arundo Eradication Project	Start Date	End Date
Task 1: Project Management	Jun-15	Dec-19
Task 2: Labor Compliance Program	Jul-15	Sep-19
Task 3: Reporting	Dec-15	Dec-19
Task 4: Land Purchase/Easement - Not applicable		
Task 5: Feasibility Studies	Jan-15	Jul-15
Task 6: CEQA/NEPA Documentation	Jan-14	Dec-15
Task 7: Permitting	Apr-15	Jan-16
Task 8: Design	Jun-15	Feb-16
Task 9: Project Monitoring Plan	Feb-16	Sep-16
Task 10: Construction Contracting	Jul-15	Jan-16
Task 11: Construction Administration	Jul-15	Sep-19
Task 12: Construction/Implementation Activities	Jan-16	Oct-19
Subtask 12.1: Mobilization and Site Preparation	Jan-16	Oct-16
Subtask 12.2: Treatment of Stands and Biomass Removal	Feb-16	Oct-19
Subtask 12.3: Performance Tracking	Jan-16	Oct-19

Project 14 - The River Project Water LA Neighborhood Retrofits - Northeast San Fernando Valley	Start Date	End Date
Task 1: Project Management	Jun-15	Dec-19
Task 2: Labor Compliance Program	Mar-15	Sep-19
Task 3: Reporting	Dec-15	Dec-19
Task 4: Land Purchase/Easement - Not applicable		
Task 5: Feasibility Studies - completed	Sep-14	May-19
Task 6: CEQA Documentation - Categorically Exempt		
Task 7: Permitting	Jan-14	Sep-19
Task 8: Design	Jun-12	May-19
Task 9: Project Monitoring Plan	Nov-15	Jan-17
Task 10: Construction Contracting	Apr-15	Jan-17
Task 11: Construction Administration	Jan-17	Sep-19
Task 12: Construction/Implementation Activities	Nov-15	Sep-19
Subtask 12.1: Outreach	Nov-15	Oct-19
Subtask 12.2: Education/Workshops	Nov-15	Jun-19
Subtask 12.3: Project Installations	Jan-16	Sep-19

Project 15 - City of Glendale Hoover, Toll, & Keppel School Recycled Water Project	Start Date	End Date
Task 1: Project Management	Jun-15	Oct-17
Task 2: Labor Compliance Program	Jul-16	Aug-17
Task 3: Reporting	Dec-15	Oct-17
Task 4: Land Purchase/Easement - Not applicable		
Task 5: Feasibility Studies - completed	Oct-07	Oct-07
Task 6: CEQA Documentation	Apr-09	Apr-09
Task 7: Permitting	Dec-15	Jul-16
Task 8: Design	Jul-16	Aug-16
Task 9: Project Monitoring Plan	Jun-16	Jul-17
Task 10: Construction Contracting	Jun-16	Jul-16
Task 11: Construction Administration	Jul-16	Aug-17
Task 12: Construction/Implementation Activities	Jul-16	Aug-17
Subtask 12.1: Mobilization and Site Preparation	Jul-16	Jul-16
Subtask 12.2: Project Construction	Jul-16	Aug-17
Subtask 12.3: Performance Testing and Demolition	Jun-17	Aug-17

Project 16 - Los Angeles County Flood Control District Lopez Spreading Grounds Improvement	Start Date	End Date
Task 1: Project Management	Jul-11	Feb-19
Task 2: Labor Compliance Program	Jan-18	Nov-18
Task 3: Reporting	Jul-16	Feb-19
Task 4: Land Purchase/Easement - Not applicable		
Task 5: Feasibility Studies	Jul-11	Jul-13
Task 6: CEQA Documentation	Sep-15	Jul-17
Task 7: Permitting	Oct-14	Nov-15
Task 8: Design	Dec-13	Aug-17
Task 9: Project Monitoring Plan	Jul-17	Aug-17
Task 10: Construction Contracting	Oct-17	Jan-18
Task 11: Construction Administration	Jan-18	Nov-18
Task 12: Construction/Implementation Activities	Jan-18	Nov-18
Subtask 12.1: Mobilization	Jan-18	Feb-18
Subtask 12.2: Project Construction	Feb-18	Nov-18
Subtask 12.3: Demobilization and Performance Testing	Nov-18	Nov-18

Project 17 - Crescenta Valley Water District Crescenta Valley Water District Nitrate Removal Treatment Facility at Well 2 Project	Start Date	End Date
Task 1: Project Management	Jun-15	Jan-18
Task 2: Labor Compliance Program	Feb-17	Nov-17
Task 3: Reporting	Dec-15	Jan-18
Task 4: Land Purchase/Easement - Not applicable		
Task 5: Feasibility Studies - Completed	Jan-07	Jan-07
Task 6: CEQA Documentation	Aug-15	Aug-16
Task 7: Permitting	Aug-16	Dec-16
Task 8: Design	Nov-15	Dec-16
Task 9: Project Monitoring Plan	Aug-16	Feb-17
Task 10: Construction Contracting	Dec-16	Feb-17
Task 11: Construction Administration	Feb-17	Nov-17
Task 12: Construction/Implementation Activities	Apr-17	Nov-17
Subtask 12.1: Mobilization, Site Preparation and Underground Utilities	Apr-17	May-17
Subtask 12.2: Project Construction	May-17	Sep-17
Subtask 12.3: Performance Testing (throughout Project construction)	Aug-17	Oct-17
Subtask 12.4: Demobilization	Oct-17	Nov-17

Project 18 - City of Monterey Park Centralized Groundwater Treatment System	Start Date	End Date
Task 1: Project Management	Jun-15	Jun-18
Task 2: Labor Compliance Program	Mar-16	Mar-18
Task 3: Reporting	Dec-15	Jun-18
Task 4: Land Purchase/Easement - Not applicable		
Task 5: Feasibility Studies - Completed	Jun-06	Apr-11
Task 6: CEQA Documentation (NOE Filing)	Mar-16	Nov-16
Task 7: Permitting	Mar-16	Nov-16
Task 8: Design	Apr-13	Nov-16
Task 9: Project Monitoring Plan	Mar-16	Oct-16
Task 10: Construction Contracting	Feb-16	Sep-16
Task 11: Construction Administration	Jun-16	Mar-18
Task 12: Construction/Implementation Activities	Jun-16	Mar-18
Subtask 12.1: Mobilization/Demobilization	Jun-16	Aug-17
Subtask 12.2: Foundation and Structures	Jun-16	Mar-17
Subtask 12.3: Equipment and Piping	Aug-16	May-17
Subtask 12.4: Relocate Existing IX and LGAC Vessel	Sep-16	May-17
Subtask 12.5: Connect Well 5	Sep-16	Jul-17
Subtask 12.6: Performance Testing	Feb-17	Mar-18

Project 19 - Los Angeles County Flood Control District Big Dalton Spreading Grounds Improvement Project	Start Date	End Date
Task 1: Project Management	Jan-11	Nov-19
Task 2: Labor Compliance Program	Nov-18	Jul-19
Task 3: Reporting	Aug-16	Nov-19
Task 4: Land Purchase/Easement - Not applicable		
Task 5: Feasibility Studies	Jan-11	Aug-16
Task 6: CEQA Documentation (NOE Filing)	Jun-18	Jun-18
Task 7: Permitting	Dec-16	Dec-17
Task 8: Design	Jul-16	May-18
Task 9: Project Monitoring Plan	Apr-17	Jul-17
Task 10: Construction Contracting	Aug-18	Nov-18
Task 11: Construction Administration	Nov-18	Jul-19
Task 12: Construction/Implementation Activities	Nov-18	Aug-19
Subtask 12.1: Mobilization	Nov-18	Dec-18
Subtask 12.2: Project Construction	Dec-18	Jul-19
Subtask 12.4: Demobilization and Performance Testing	Jul-19	Aug-19

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 §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 §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 §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://resources.ca.gov/ceqa/>
California State Clearinghouse Handbook:
https://www.opr.ca.gov/docs/SCH_Handbook_2012.pdf
- 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 §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) calendar 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, § 1090 and Public Contract Code, § 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, Government 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 § 8355(a)(1).

- b) Establish a Drug-Free Awareness Program, as required by Government Code §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 §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 Labor Code requirements, including, but not limited to, §1720 *et seq.* of the Labor Code regarding public works, limitations on use of volunteer labor (Labor Code §1720.4), labor compliance programs (Labor Code §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 §1771.3.
- D.29) 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 (Government Code §12990 (a-f) *et seq.*) and the applicable regulations promulgated there under (California Code of Regulations, Title 2, §7285 *et seq.*). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code §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.30) 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 §10295.3.
- D.31) 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.32) 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.33) 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 §11200 in accordance with Public Contract Code §10353.
- D.34) 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.35) 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.36) 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", 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. State shall disburse retained funds to the Grantee.
- D.37) 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., Government 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.38) 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.39) STATE REVIEWS:** The parties agree that review or approval of projects 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.40) 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.41) 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.42) 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.43) 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.44) TERMINATION WITHOUT CAUSE:** The State may terminate this Grant Agreement without cause on 30 calendar days advance written notice. The Grantee shall be reimbursed for all reasonable expenses incurred up to the date of termination.
- D.45) THIRD PARTY BENEFICIARIES:** The parties to this Grant 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.46) TIMELINESS:** Time is of the essence in this Grant Agreement.
- D.47) 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.48) 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.49) WORKERS' COMPENSATION:** Grantee affirms that it is aware of the provisions of §3700 of the 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



GAIL FARBER, Director

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331

<http://dpw.lacounty.gov>

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

ADOPTED

BOARD OF SUPERVISORS
COUNTY OF LOS ANGELES

63

June 14, 2016

June 14, 2016

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, California 90012

Handwritten signature of Lori Glasgow in cursive.

LORI GLASGOW
EXECUTIVE OFFICER

Dear Supervisors:

**INTEGRATED REGIONAL WATER MANAGEMENT PLAN FOR GREATER
LOS ANGELES COUNTY REGION ACCEPTANCE OF PROPOSITION 84
2015 IMPLEMENTATION GRANT FROM THE CALIFORNIA
DEPARTMENT OF WATER RESOURCES
(ALL SUPERVISORIAL DISTRICTS)
(3 VOTES)**

SUBJECT

This action is to accept \$27,742,975.00 in grant funding from the Proposition 84 2015 Implementation Grant Program from the California Department of Water Resources on behalf of the local project sponsors to partially fund the construction of 20 projects and to negotiate and execute a grant agreement with the California Department of Water Resources.

IT IS RECOMMENDED THAT THE BOARD ACTING AS THE GOVERNING BODY OF THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT:

1. Accept \$27,742,975.00 in grant funding from the Proposition 84 2015 Implementation Grant Program from the California Department of Water Resources on behalf of the local project sponsors and the Greater Los Angeles County Integrated Regional Water Management to partially fund the construction of 20 projects, two of which are to be implemented by the Los Angeles County Flood Control District and one, which is to be implemented by the County of Los Angeles. Upon the Board's acceptance of the grant, authorize the Chief Engineer of the Los Angeles County Flood Control District or her designee to negotiate and execute a grant agreement with the California Department of Water Resources.
2. Authorize the Chief Engineer of the Los Angeles County Flood Control District or her designee to act as agent for the Los Angeles County Flood Control District to execute

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amendments to the grant agreement as necessary to complete the projects, including extensions of time, minor changes in project scope, and alterations in the project budget or grant amount of up to 10 percent.

3. Authorize the Chief Engineer of the Los Angeles County Flood Control District or her designee to negotiate and execute a Memorandum of Understanding with each of the local project sponsors, with the exception of the Los Angeles County Flood Control District, that will establish responsibilities and liabilities between the Los Angeles County Flood Control District, local project sponsors, and the California Department of Water Resources regarding the grant and its related projects.

4. Authorize the Chief Engineer of the Los Angeles County Flood Control District or her designee to accept 2.5 percent of the State grant reimbursements from each local project sponsor, with the exception of the Los Angeles County Flood Control District, for a not-to-exceed total amount of \$614,899.89 to provide technical and contract management staff support to administer the grant.

IT IS RECOMMENDED THAT THE BOARD ACTING AS THE GOVERNING BODY OF THE COUNTY OF LOS ANGELES:

1. Authorize the Director of Public Works or her designee to execute a Memorandum of Understanding with the Los Angeles County Flood Control District that will establish responsibilities between the Los Angeles County Flood Control District, the County of Los Angeles, and the California Department of Water Resources regarding the grant and the County's Franklin D. Roosevelt Park Regional Best Management Practices Project and reimburse the Los Angeles County Flood Control District an application fee of \$16,872.75.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The purpose of the recommended actions is to accept \$27,742,975.00 of Proposition 84 2015 Implementation Grant funding from the California Department of Water Resources (DWR) to partially fund the construction of 20 projects. Approval of this recommendation would also authorize the Chief Engineer of the Los Angeles County Flood Control District (LACFCD) or her designee to negotiate and execute a grant agreement with the DWR (Enclosure A). The grant agreement from DWR designates the State as the grantor, the LACFCD as the grantee, and the entities that implement the projects as local project sponsors (LPS) or collectively LPSs. Although not signatories to the grant agreement with DWR, the LPSs are acknowledged in the grant agreement as acting on behalf of the grantee in fulfillment of certain grantee responsibilities as specified in the grant agreement.

The recommended actions would authorize the Chief Engineer of the LACFCD or her designee to act as agent for the LACFCD when requesting payment or grant reimbursements and executing amendments to the grant agreement with the DWR as necessary to complete the projects, including extensions of time, minor changes in project scope, and alterations in the project budget or grant amount of up to 10 percent subject to approval of such documents by County Counsel.

Additionally, the Chief Engineer of the LACFCD or her designee would be authorized to negotiate and execute a Memorandum of Understanding (MOU) substantially similar to the enclosed MOU (Enclosure B), with the LPSs of non-LACFCD projects to establish responsibilities

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and liabilities between the LACFCD, LPSs, and the DWR regarding the grant and its related projects as required by the DWR. Because the County of Los Angeles is the LPS for one of the projects, the recommended actions would also authorize the Director of Public Works to execute such an MOU with the LACFCD, which would include reimbursement by the County to the LACFCD of up to \$16,872.75 for the application preparation fee.

Finally, the LACFCD would be authorized to accept 2.5 percent of the State grant reimbursements from the LPSs of non-LACFCD projects, not to exceed \$614,899.89 total, and to use the funds to provide technical and contract management staff support to administer the grant.

Implementation of Strategic Plan Goals

The Countywide Strategic Plan directs the provisions of Operational Effectiveness/Fiscal Sustainability (Goal 1) by actively seeking grant funds to augment the County's funding sources and Integrated Services Delivery (Goal 3) by implementing projects using grant funds that leverage resources and improve the quality of life for constituents within the LACFCD and County.

FISCAL IMPACT/FINANCING

The County's payment to the LACFCD of a \$16,872.75 application preparation fee is included in the Unincorporated Area Stormwater Program under the Public Works General Fund Fiscal Year 2015-16 Budget.

The estimated total cost for the 20 projects is approximately \$89,148,412.00 of which \$27,742,975.00 will be reimbursed by the grant. The remaining balance estimated at \$61,405,437.00 will come from both the LACFCD's and the LPSs' matching funds.

Two of the 20 projects, the Big Dalton Spreading Grounds Improvement and Lopez Spreading Grounds Improvement Projects will be implemented by the LACFCD. The estimated total cost for the LACFCD projects is approximately \$10.2 million. The total project costs include the preparation of plans and specifications, right of way and utility clearance, construction contract costs, construction engineering, inspection, contract administration, and other services. The LACFCD will be reimbursed approximately \$3,146,980.00 in grant funding for these projects. We will return to the Board at a future date to seek approval and funding for these projects.

One of the 20 projects, Franklin D. Roosevelt Park Regional Best Management Practices (BMP) Project, will be implemented by the County of Los Angeles Department of Public Works (Public Works). The current estimated total cost for this project is \$7.86 million which includes the preparation of plans and specifications, right of way and utility clearance, construction contract cost, construction engineering, inspection, contract administration, and other services. The County will be reimbursed approximately \$2 million in grant funding for this project after deducting 2.5 percent for the LACFCD to provide technical and contract management staff support to administer the grant. We will return to the Board at a future date to seek approval and funding for this project.

In order to provide the necessary accountability of the disposition of the grant funds, the LACFCD will manage the grant funds and will coordinate with the Auditor-Controller to establish a trust account to deposit the grant receipts from the DWR and to record grant reimbursements to the LPSs in the amount up to \$27,742,975.00. Upon reimbursement of grant funds from DWR for the non-LACFCD projects, the LACFCD will retain 2.5 percent of the total grant award, for an amount not to exceed \$614,899.89 to offset the costs of grant administration.

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FACTS AND PROVISIONS/LEGAL REQUIREMENTS

In November 2006, the voters of California enacted the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Proposition 84) adding provisions to the California Public Resources Code. Proposition 84 amended the Public Resources Code to include Sections 75026 et seq., which authorizes the Legislature to appropriate \$1 billion for an Integrated Regional Water Management (IRWM) Program. The IRWM Program is managed by the DWR.

The intent of the IRWM Program is to encourage integrated regional strategies for the management of water resources and to provide funding through competitive grants for projects that protect communities from drought, improve water reliability, protect and improve water quality, and improve local water security by reducing dependence on imported water. The implementation grants are designed for projects that are ready or nearly ready to proceed to implementation.

On May 12, 2015, under Agenda Item No. 41, the Board adopted a resolution delegating authority to the Chief Engineer of the LACFCD or her designee to file an application for Proposition 84 2015 Implementation Grant Funds to partially fund a suite of projects in the Greater Los Angeles County (GLAC) IRWM Region, including two LACFCD projects and one County of Los Angeles project. On January 13, 2016, the DWR awarded \$27,742,975.00 to the GLAC IRWM Region that will fund 20 projects.

As the grantee to this agreement, the LACFCD will be fully accountable for all projects and fully responsible to the State for all aspects of the 20 projects from design and continuing for the useful life of construction and implementation of each project. The grant agreement stipulates that the LACFCD, as the grantee, shall assign LPSs to act on its behalf for the purposes of individual project management, oversight, compliance, and operations and maintenance. Enclosure C provides a brief description of the projects and identifies the LPS for each one. The LACFCD is the LPS for the Big Dalton Spreading Grounds Improvement and Lopez Spreading Grounds Improvement Projects, and the County of Los Angeles is the LPS for the Franklin D. Roosevelt Park Regional BMP Project.

The grant agreement provides that the State may withhold all or a portion of the grant funds, seek repayment of the grant funds with interest, or take any other action that it deems necessary in the event that the State determines that any project is not constructed, operated, or maintained in accordance with the grant agreement. The responsibilities and liabilities assigned to the LACFCD in the grant agreement, which are directly related to the development, construction, maintenance, and post-construction monitoring and operation, will be passed on to the LPSs of non-LACFCD projects by an MOU (Enclosure B) between the LACFCD and each LPS. Under each MOU, the LACFCD will remain responsible for the grant administration, management, and oversight activities related to each of the projects. If an LPS does not execute the MOU, the LACFCD will work with the DWR to amend the grant agreement to exclude that LPS's project and reduce or reallocate the grant funding accordingly.

Because the State was not willing to negotiate the significant responsibilities assumed by the LACFCD under the grant agreement nor directly execute separate agreements with each LPS for their respective projects or a multiparty agreement, the LACFCD will utilize the MOU with each LPS to pass down all responsibilities from design through operation of each project and, thereby, shield itself from liability to the greatest extent possible.

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The DWR indicates in the Proposition 84 2015 Implementation Grant Program funded by Proposition 84, that it will award similar grants to other IRWM Regions throughout the State and intends to enter into the same Grant Agreements with a sole entity as grantee in those regions. The LACFCD, as the only entity that has jurisdiction over the entire GLAC IRWM and as a highly respected leader in flood control, was requested by the Region's IRWM participants to serve as the lead entity for the Region. The LACFCD is currently the Chair of the decision making body of the GLAC IRWM Region and, as such, is in a position to provide leadership and guidance to the effort. Currently, the LACFCD already administers four similarly structured grant agreements under the IRWM Program.

Additionally, securing the \$27,742,975.00 in grant funds will further encourage integrated regional strategies for the management of water resources and implementing much needed projects. These projects will help protect local communities in the region from drought, improve water reliability, protect and improve water quality, and improve local water security by reducing dependence on imported water.

To simplify accounting and to prevent the mixing of grant funds with other funds, the LACFCD, working with the Auditor-Controller, will establish independent individual accounts to receive and disburse grant funds from the DWR to the LPSs.

The LACFCD will provide staff support for grant administration and management, as well as, project oversight under the Grant Agreement. To cover the estimated cost of these services, the MOU will require that each LPS allow the LACFCD to retain 2.5 percent of the total grant paid by the DWR (up to \$614,899.89).

County Counsel has reviewed and approved as to form the enclosed MOU between the LACFCD and each of the LPSs. The final MOU will be substantially similar to the enclosed MOU and will be approved as to form by County Counsel prior to execution by the Chief Engineer of the LACFCD or her designee and the Director of Public Works or her designee.

The final Grant Agreement with the DWR will be substantially similar to the enclosed Agreement and will be approved as to form by County Counsel prior to execution by the Chief Engineer of the LACFCD or her designee.

ENVIRONMENTAL DOCUMENTATION

The proposed action is not a project pursuant to the California Environmental Quality Act (CEQA) because it is an activity excluded from the definition of a project per Section 15378(b) of the CEQA Guidelines. Execution of the grant agreement with DWR and MOUs with each LPS is an administrative activity of government, which will not result in direct or indirect physical changes to the environment. The grant agreement, incorporated into the MOUs between the LACFCD and each LPS, requires that the grantee and LPSs shall be responsible for compliance with CEQA prior to the disbursement of funds by the DWR. Work that is subject to CEQA and/or environmental permitting may not proceed under the grant agreement until the LACFCD receives written concurrence from the State of the LPSs' CEQA documents and State notice of verification of environmental permits submittal. The MOUs for the non-LACFCD projects require each LPS to comply with the requirements of CEQA as to its project(s), including preparation and approval of appropriate environmental documents prior to the commencement of construction or implementation activities, and indemnifies the LACFCD against any claims of CEQA violations.

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We will return to the Board in the future for consideration and approval of the appropriate environmental documentation, together with approval recommendations, for the two LACFCD projects and the County of Los Angeles project, as necessary.

IMPACT ON CURRENT SERVICES (OR PROJECTS)

There will be no adverse impact on current services. The \$27,742,975.00 in grant funds will enable the LPSs to implement projects that will encourage integrated regional strategies for the management of water resources. These projects will protect communities in the GLAC IRWM Region from drought, improve water reliability, protect and improve water quality, and improve local water security by reducing dependence on imported water.

CONCLUSION

Please return an adopted copy of this letter to the Department of Public Works, Watershed Management Division.

Respectfully submitted,



GAIL FARBER
Director

GF:ARG:sw

Enclosures

c: Auditor-Controller
Chief Executive Office (Rochelle Goff)
County Counsel (Erik Conard)
Executive Office

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:

Sponsored Project	Sponsor Agency	Agency Address
Project 1 - Advanced Water Meter Replacement Project	Gateway Water Management Authority	16401 Paramount Boulevard, Paramount, California 90723
Project 2 - Southeast Water Efficiency Program	Gateway Water Management Authority	16401 Paramount Boulevard, Paramount, California 90723
Project 3 - Gateway Cities Regional Recycled Water System Expansion Project	Gateway Water Management Authority	16401 Paramount Boulevard, Paramount, California 90723
Project 4 - Franklin D. Roosevelt Park Regional BMP Project	County of Los Angeles	900 South Fremont Avenue, Alhambra, California 91803
Project 5 - Paramount Blvd. Turf Replacement Project (Lakewood)	Gateway Water Management Authority	16401 Paramount Boulevard, Paramount, California 90723
Project 6 - Comprehensive Water Conservation Project	City of Malibu	23825 Stuart Ranch Road, Malibu, California 90265
Project 7 - Las Virgenes - Calleguas Municipal Water Districts Interconnection Project	Las Virgenes MWD	4232 Las Virgenes Road, Calabasas, California 91302
Project 8 - Urban Streams Restoration in the Malibu Creek Watershed	Mountains Restoration Trust	3815 Old Topanga Canyon Road, Calabasas, California 91302
Project 9 - Las Virgenes Creek Restoration Project - Phase II	City of Calabasas	100 Civic Center Way, Calabasas, California 91302
Project 10 - Inglewood New Well No. 7	City of Inglewood	1 West Manchester Boulevard, Inglewood, California 90301
Project 11 - North Torrance Well Field Project, Phase III	City of Torrance	20500 Madrona Avenue, Torrance, California 90503
Project 12 - Recycled Water Supply for Palos Verdes Golf Course	West Basin Municipal Water District	17140 South Avalon Street, Carson, California 90746
Project 13 - Upper Los Angeles River Big Tujunga Restoration Arundo Eradication Project	National Forest Foundation	1400 North Spring Street, Los Angeles, California 90012
Project 14 - Water LA Neighborhood Retrofits - Northeast San Fernando Valley	The River Project	3912 Laurel Canyon Boulevard #208, Studio City, California 91604
Project 15 - Hoover, Toll, & Keppel School Recycled Water Project	City of Glendale	141 North Glendale Avenue, 4th Floor, Glendale, California 91206
Project 16 - Lopez Spreading Grounds Improvement	Los Angeles County Flood Control District	900 South Fremont Avenue, Alhambra, California 91803

Sponsored Project	Sponsor Agency	Agency Address
Project 17 - Crescenta Valley Water District Nitrate Removal Treatment Facility at Well 2 Project	Crescenta Valley Water District	2700 Foothill Boulevard, La Crescenta, California 91214
Project 18 - Centralized Groundwater Treatment System	City of Monterey Park	320 West Newmark Avenue, Monterey Park, California 91754
Project 19 - Big Dalton Spreading Grounds Improvement Project	Los Angeles County Flood Control District	900 South Fremont Avenue, Alhambra, California 91803

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, unless already submitted as a deliverable:

- Provide a copy of any final technical report or study, produced for this project as described in the Work Plan, if applicable
- Electronic copies of any data collected, not previously submitted
- As-built drawings
- Final geodetic survey information
- 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:

- Summary of project cost including the following items:
 - Accounting of the cost of project expenditure;
 - Include all internal and external costs not previously disclosed (i.e., additional cost share); 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 versus planned progress as shown in Exhibit C.
- 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.

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

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

POST-PERFORMANCE REPORT

Report 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 (e.g., January 2015 through December 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/gama/geotracker_gama.shtml. If further information is required, the Grantee can contact the State Water Resources Control Board (SWRCB) GAMA Program.

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?