

Attachment

4

Greater Los Angeles County Region
IRWM Implementation Grant Proposal
Work Summary

Attachment 4 consists of the following items:

Work Summary. Attachment 4 contains information regarding the tasks that have been and will be performed for each project constituting the proposal.

This Work Summary contains brief summaries of the anticipated tasks necessary to complete each project in the proposal. Each project work summary is organized by the four budget categories, as applicable: (a) Direct Project Administration, (b) Land Purchase/Easement, (c) Planning/Design/Engineering/Environmental Documentation, and (d) Construction/Implementation. Each project work summary also identifies deliverables for each task and the current status of each task. The Work Summary tasks are also consistent with the major tasks and sub-tasks identified in the Budget (Attachment 5) and Schedule (Attachment 6) of this proposal.

Los Angeles-Burbank Groundwater System Interconnection Project

The Los Angeles-Burbank Groundwater System Interconnection Project (Project) Work Summary Table contains descriptive summaries of the tasks necessary to complete the Project, discusses the deliverables that will be provided, and discusses the current status of the Project, including work already completed.

| Task | Description of Work Completed, In Progress, or To Be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|--|---|----------------|
| Category (a): Direct Project Administration | | | |
| Task 1: Administration | Administration of grant funding application. (0%) Prepare and finalize a MOU between Cities of Los Angeles and Burbank for water exchange and construction. (25%) Have monthly meetings with BWP to discuss Project progress. Grant application preparation by consultant. (85%) | Invoices for reimbursement, MOU between LA and Burbank, and completion of grant application and other documents as necessary. | In progress |
| Task 2: Labor Compliance Program | The City of Los Angeles has a LCP in place. (100%) | LCP documents | Completed |
| Task 3: Reporting | Submit reporting documents as required for grant funding. (0%) | Quarterly Progress and Final Reports | Not yet begun |
| Category (b): Land Purchase/Easement | | | |
| Task 4: Land Acquisition | No land acquisition is required for this Project. Not applicable. | Not applicable | Not applicable |
| Category (c): Planning/Design/Engineering/Environmental Documentation | | | |
| Task 5: Assessment and Evaluation | Iterative Hydraulic Modeling will assess that the proposed interconnection is feasible and will still allow each agency to provide water at acceptable pressures to neighboring service connections. The Pressure Data Recordings will be used as inputs for hydraulic models. (50%) | Hydraulic Models for each distribution system, and pressure data records | In progress |
| Task 6: Final Design | Completion of project plans and specifications for the 30%, 60%, 90%, and 100% design. (0%) Update Project Construction Schedule (0%) | 30%, 60%, 90%, and 100% Design Plans Construction Schedule | Not yet begun |

| Task | Description of Work Completed, In Progress, or To Be Completed for Task (listed as % Complete) | Deliverables | Status |
|---|--|---|----------------|
| Task 7: Environmental Documentation | Project is categorically exempt from CEQA. (0%) | CEQA Notice of Exemption | Not yet begun |
| Task 8: Permitting | Obtain all necessary permits. All permits are pending and will be obtained prior to construction. (0%) | LABOE U-Permit for excavation, LABOE Peak Hour Exemption Traffic Variance Permit, LACDPH New Water Source Permit, LABSS Street Services Permit, LADOT Approved Traffic Control Plan | Not yet begun |
| Category (d): Construction/Implementation | | | |
| Task 9: Construction Contracting | Construction will be performed by in-house resources. (0%) | Connection drawings (pipe, meters, and valves) | Not yet begun |
| Task 10: Construction | | | |
| Subtask 10.1: Mobilization and Site Preparation | Procure materials and equipment, mobilize to site, and implement traffic control. (0%) | Material delivery tickets | Not yet begun |
| Subtask 10.2: Project Construction | Project construction includes ground excavation; pipe, valve, and meter installation; and restoration of the ground. (0%) | Inspection reports, survey construction methodology, design drawings, and project completion certificate | Not yet begun |
| Subtask 10.3: Performance Testing and Demobilization | Performance testing includes metering volumes, measuring water flow, and recording pressure readings. A final walkthrough will be conducted of the site for Project acceptance. A monitoring plan will be developed for the Project. (0%) | Pressure test results, disinfection verification lab results, and Project Performance Monitoring Plan | Not yet begun |
| Task 11: Environmental Compliance / Mitigation / Enhancement | No mitigation or enhancement is required for this Project. | Not applicable | Not applicable |
| Task 12: Construction Administration | Construction Management tasks will be handled by LADWP and BWP. (0%) | Information submittals <ul style="list-style-type: none"> • Inspection reports • Submittals • As-built drawings | Not yet begun |

Notes:

BWP – Burbank Water and Power
 CEQA – California Environmental Quality Act
 LABOE – Los Angeles Bureau of Engineering
 LACDPH – Los Angeles County Department of Public Health
 LADOT – Los Angeles Department of Transportation
 EIR – Environmental Impact Report

LCP – Labor Compliance Program
 MOU – Memorandum of Understanding
 LABSS – Los Angeles Bureau of Street Services
 LACFCD – Los Angeles County Flood Control District
 LADWP – Los Angeles Department of Water and Power
 NEPA - National Environmental Policy Act

Mission Wells Improvement Project

The Mission Wells Improvement Project (Project) Work Summary Table contains descriptive summaries of the tasks necessary to complete the Project, discusses the deliverables that will be provided, and discusses the current status of the Project, including permitting activities.

| Task | Description of Work Completed, In Progress, or To Be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|--|--|----------------|
| Category (a): Direct Project Administration | | | |
| Task 1: Administration | Enter into MOU with LACFCD (80%) Possible MOU with Metropolitan Water District (MWD) (0%) Grant application preparation by consultant (85%) Administration of grant and associated reporting requirements (0%) | MOU between LADWP and LACFCD, Possible MOU with MWD, Complete grant application and other documents as necessary, Preparation of Invoices | In progress |
| Task 2: Labor Compliance Program | The City of Los Angeles has a LCP in place. (100%) | City of Los Angeles LCP | Completed |
| Task 3: Reporting | Submit reporting documents as required for grant funding. (0%) | Quarterly Progress and Final Reports | Not yet begun |
| Category (b): Land Purchase/Easement | | | |
| Task 4: Land Acquisition | Land purchase/easement is not required for the production and monitoring wells and collector line. The production wells, collector line, and pump station upgrade will be built in LADWP property. Up to five monitoring wells will be built in the public right-of-way and do not require land purchase/easement. | Not applicable | Not applicable |
| Category (c): Planning / Design / Engineering / Environmental Documentation | | | |
| Task 5: Assessment and Evaluation | Final Scope of Work Document for Mission Wells Improvement Project (100%) Upper Los Angeles River Area (ULARA) Sylmar Basin Safe Yield (100%) Final Planning (80%) | Scope of Work Technical Study – prepared by ULARA for the Sylmar Basin Update Project schedule and budget and coordination to initiate construction. | In progress |
| Task 6: Final Design | Monitoring Wells Specifications (100%) Production Wells Specifications (95%) Collector Line Design (100%) | Monitoring Wells Specifications, Production Wells Specifications, Collector Line Design | In progress |
| Task 7: Environmental Documentation | File Notice of Exemption - Filed on May 9, 2014 (100%) | Notice of Exemption | Completed |
| Task 8: Permitting | The collector line will be constructed in LADWP property and permits are not required. Production wells will be constructed in LADWP property and permits will be obtained prior to construction (90%) . All permits for the first monitoring well have been obtained. Permits for the | LA County Public Health Well Drilling Permits; LADOT Traffic Control Plans, LABOE Excavation Permits, Los Angeles Police Department (LAPD) Noise Variance, LABSS Permits, National Pollutant Discharge Elimination System (NPDES) Permits, and | In progress |

| Task | Description of Work Completed, In Progress, or To Be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|---|---|----------------|
| | remaining monitoring wells (2-5) will be obtained if monitoring wells are installed, depending on the field findings from the first monitoring well installation (100%) . | Industrial Waste Discharge Permits | |
| Category (d): Construction / Implementation | | | |
| Task 9: Construction Contracting | Monitoring wells will be installed under an existing contract via a change order. (100%) Production wells will be installed under an existing contract via an amendment. (50%) Kickoff meeting with existing contractor (100%) The installation of the collector line and pump station upgrade will be performed by LADWP in-house crews and therefore no construction contracting is necessary. | Change order approval Contract amendment Kickoff Meeting notes | In progress |
| Task 10: Construction | | | |
| Subtask 10.1: Mobilization and Site Preparation | Procure and prepare materials, equipment and site, contractor mobilizes to the work site, and implements site and traffic controls (10%) | Traffic control plans and the following submittals – schedule, drilling plan, well development and materials list | In progress |
| Subtask 10.2: Project Construction | Project construction includes drilling, construction, and development of monitoring and production wells (0%) Project construction also includes installation of production well pumps, pump station upgrade, and installation of a collector line to connect to the distribution system (0%) | Testing Site photos Inspection reports | Not yet begun |
| Subtask 10.3: Performance Testing and Demobilization | Conduct water quality testing, production well development testing, well pump testing, sampling pump testing and verification, instrumentation testing and calibration, site restoration, and implement Monitoring Plan (0%) | Lab results, calibration certificates, test verification submittals, well completion report and Project Performance Monitoring Plan | Not yet begun |
| Task 11: Environmental Compliance / Mitigation / Enhancement | No mitigation or enhancement actions are required for this Project. Not applicable. | Not applicable | Not applicable |
| Task 12: Construction Administration | Construction management tasks will be completed by LADWP. LADWP is collaborating with MWD on a possible partnership (0%) | Submittals - Notice to Proceed, Project Closeout Memo, Project meetings with contractor | Not yet begun |

Manhattan Wells Improvement Project

The Manhattan Wells Improvement Project (Project) Work Summary Table contains descriptive summaries of the tasks necessary to complete the Project, discusses the deliverables that will be provided, and discusses the current status of the Project, including work already completed.

| Task | Description of Work Completed, In Progress or to be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|--|--|----------------|
| Category (a): Direct Project Administration | | | |
| Task 1: Administration | Enter into MOU with Water Replenishment District (WRD) for contract administration (100%) Enter into MOU with LACFCD for grant consultant work (80%) Grant Application Preparation by Consultant (85%) Conduct progress meetings with WRD (5%) Administration of grant funding application (0%) | MOU between LADWP and WRD, MOU between LADWP and LACFCD, Complete grant application and other documents as necessary, Meeting minutes, and invoices for reimbursement | In progress |
| Task 2: Labor Compliance Program | The City of Los Angeles has a LCP in place and will be implemented during construction (100%) | LCP documents | Completed |
| Task 3: Reporting | Submit reporting documents as required for grant funding (0%) | Quarterly Progress and Final Reports | Not yet begun |
| Category (b): Land Purchase/Easement | | | |
| Task 4: Land Acquisition | No land acquisition is necessary for this Project. | Not applicable | Not applicable |
| Category (c): Planning / Design / Engineering / Environmental Documentation | | | |
| Task 5: Assessment and Evaluation | Final Scope of Work Document for Manhattan Wells Improvement Project (100%) | Scope of Work | Completed |
| Task 6: Final Design | Completion of project plans and specifications for: <ul style="list-style-type: none"> • Wells (100%) • Collector Line/Well Connections (90%) • Electrical/Supervisory Control and Data Acquisition (SCADA) (0%) | 100% plans and specifications for wells, collector line/well connections, electrical/SCADA | In progress |
| Task 7: Environmental Documentation | Approved and adopted CEQA (100%) | File Notice of Exemption | Completed |
| Task 8: Permitting | Obtain all necessary permits: <ul style="list-style-type: none"> • LABOE Excavation Permit (0%) • LAPD Noise Variance (0%) • Los Angeles (LA) Sewer Discharge Permit (100%) • NPDES Permit (100%) • LA County Public Health Well Drilling Permit (0%) | LABOE Excavation Permit LAPD Noise Variance LA Sewer Discharge Permit NPDES Permit LA County Public Health Well Drilling Permit | In progress |
| Category (d): Construction / Implementation | | | |
| Task 9: Construction Contracting | LADWP will prepare, advertise, hold a pre-bid meeting and walk through, evaluate the bids and present the selected contractor to the LADWP Board of Directors for construction project award (0%) LADWP will review the required construction material submittals (0%) | Bid advertisement, contract award and the following submittals as required: <ul style="list-style-type: none"> • Bid form • Bond verification • SBE Compliance • Project schedule • Shop drawings • Schedule of Values | Not yet begun |

| Task | Description of Work Completed, In Progress or to be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|---|--|----------------|
| | | <ul style="list-style-type: none"> • Notice to Proceed | |
| Task 10: Construction | | | |
| Subtask 10.1: Mobilization and Site Preparation | Procure and prepare materials, equipment and site (0%) Contractor mobilizes to the work site (0%) Implement site and traffic controls (0%) | Submittals as required: <ul style="list-style-type: none"> • Drilling and well permit • Sound wall design | Not yet begun |
| Subtasks 10.2: Project Construction | Project construction includes drilling, construction, and development of production wells. Project construction also includes installation of production well pumps and installation of distribution piping infrastructure. <ul style="list-style-type: none"> • Drilling, construction and development of production wells (0%) • Pump installation (0%) • Wellhead connection and collector lines (0%) • Electrical services and controls (0%) | Site photos and the following submittals as required: <ul style="list-style-type: none"> • Tradesmen certifications • Material delivery tickets • Off the shelf material data • Test results • Proposed construction methodology • As-Built Design drawings • Chain of custodies • Survey results and data • Inspection reports | Not yet begun |
| Subtasks 10.3: Performance Testing and Demobilization | Conduct water quality testing, production well development testing, well pump testing, sampling pump testing and verification, instrumentation testing and calibration, site restoration, final walk through and implement Monitoring Plan (0%) Assessment of pump testing data to evaluate production well performance and specific capacity to include: <ul style="list-style-type: none"> • Video log (0%) • Well development testing (0%) • Bacterial testing (0%) • Constant rate and step drawdown testing (specific yield evaluation) (0%) | Lab results, calibration certificates, test verification submittals, Water Quality Study, Production Well Assessment and Project Performance Monitoring Plan | Not yet begun |
| Task 11: Environmental Compliance / Mitigation / Enhancement | No mitigation or enhancement actions are required for this Project. Not applicable. | Not applicable | Not applicable |
| Task 12: Construction Administration | Construction management tasks will be completed by WRD and LADWP (0%) | Request For Information submittals, potential change orders, meeting minutes and final notice of completion letter | Not yet begun |

TIWRP Advanced Water Purification Facility and Distribution System Expansion Project

The Terminal Island Water Reclamation Plant (TIWRP) Advanced Water Purification Facility and Distribution System Expansion Project (Project) Work Summary Table contains descriptive summaries of the tasks necessary to complete the Project, discusses the deliverables, and discusses the current status of the Project, including work already completed.

| Task | Description of Work Completed, In Progress, or To Be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|--|--|---------------|
| Category (a): Direct Project Administration | | | |
| Task 1: Project Administration | <p><i>TIWRP Expansion Contract Administration:</i> Department of Public Works BOE will oversee the contract for the TIWRP portion of the Project on behalf of the Bureau of Sanitation (BOS). BOE Uniform Project Reporting System (UPRS) reports will be monthly. (10%)</p> <p><i>Distribution System Expansion Contract Administration:</i> BOE will oversee the construction contract for the Distribution System portion of the Project on behalf of LADWP. LADWP Project Reporter reports will be produced monthly. (0%)</p> <p>Grant application preparation by consultant (85%)</p> | BOE UPRS reports, LADWP Project Reporter, Contractor Invoices, BOE to BOS Quarterly Time Charge Reports, BOE to LADWP Invoices, Complete grant application, invoices for reimbursement and other documents as necessary. | In progress |
| Task 2: Labor Compliance Program | <p><i>LA City LCP:</i> The City of Los Angeles' LCP is certified under California Code of Regulations Chapter 8, Section 16425. (100%)</p> <p><i>TIWRP Expansion Union Notification:</i> Title 22 Notice to Unions is complete. (100%)</p> | City of Los Angeles LCP documents, Notification to Unions | Completed |
| Task 3: Reporting | <i>Compliance Reporting:</i> During the Project, quarterly reports and a project completion report will be prepared as specified in the grant agreement. (0%) | Quarterly Progress and Final Reports | Not yet begun |
| Category (b): Land Purchase/Easement | | | |
| Task 4: Land Acquisition | <p>The TIWRP expansion and AOP implementation does not require any land acquisition or easements as it takes place within existing TIWRP boundaries. (100%)</p> <p><i>Distribution System Expansion Easements:</i> The majority does not require land acquisition as pipeline will mainly be within public right of way. Temporary easements, encroachment permits, and a permanent railroad easement may be needed for some portions. (20%)</p> | Caltrans Encroachment Permit, Construction/ Temporary Easement, Property Easement Agreement between Port of LA and LADWP | In progress |
| Category (c): Planning / Design / Engineering / Environmental Documentation | | | |
| Task 5: Assessment and Evaluation | <p><i>Planning Documents:</i> The LADWP-BOS Recycled Water Master Plan and the Integration of Two Separate Recycled Water Systems in the Harbor Area Planning Study. (100%)</p> <p><i>TIWRP Expansion and Distribution System Predesign.</i> (100%)</p> <p><i>TIWRP Expansion AOP Bench Scale Testing.</i> (100%)</p> <p><i>TIWRP Expansion Extended Pilot Testing.</i> (80%)</p> <p><i>TIWRP Expansion Prequalification - AOP.</i> (80%)</p> <p><i>Distribution System Expansion Site and Substructure Investigations.</i> (75%)</p> <p><i>Distribution System Expansion Geotechnical Investigations.</i> (10%)</p> <p><i>Distribution System Expansion Soil Environmental</i></p> | DWP-BOS Recycled Water Master Plan, 2013 Harbor Recycled Water System Alternatives Evaluation TM, Dominguez Gap Barrier Project Condition Assessment, TIWRP Expansion Predesign, Distribution System Expansion Predesign, AOP Bench Scale Test Report, Pilot Test Report, AOP Training and Monitoring Procedures, TIWRP AWPFP Prequalification Packages, Selection Reports, Substructure Report, Geotechnical Report, Environmental Evaluation | In progress |

| Task | Description of Work Completed, In Progress, or To Be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|---|--|---------------|
| | <i>Evaluation. (25%)</i> | | |
| Task 6: Final Design | <i>TIWRP Expansion Bridging Documents. (100%) Distribution System Expansion Design. (60%) TIWRP Expansion Design 70% Documents. (100%) TIWRP Expansion Design 100% Documents (design-build). (0%)</i> | Bridging documents, Specifications, Project plans and drawings, Specifications, Traffic Control Plans, Final Project Plans | In progress |
| Task 7: Environmental Documentation | <i>TIWRP Expansion CEQA. (100%) Distribution System Expansion CEQA. (100%) TIWRP Expansion Environmental Survey. (100%)</i> | CEQA Categorical Exemption, CEQA EIR (SCH 2009081093), Environmental Survey (lead, asbestos) Report | Completed |
| Task 8: Permitting | <i>TIWRP Expansion - Port of LA Coastal Development Permit (100%) TIWRP Expansion - 100% Funding Approval by Project Review Committee based on a Class "0" Estimate (100%) Regulatory Approval of Engineering Reports. (50%) TIWRP Expansion - Department of Building and Safety (LADBS) Building Permits. (0%) As-Needed Permits for the Distribution System Expansion. (0%)</i> | No 13-9 Permit by Port of LA, Project Review Committee approval, Engineering Permit, LADBS Building Permits (Structural and Electrical), NPDES Permit, Underground Classification Permit for Jacking, BOE Excavation Permit, Caltrans Permit, Railroad Crossing Permit | In progress |
| Category (d): Construction / Implementation | | | |
| Task 9: Construction Contracting | TIWRP Expansion prequalification – Design-Build Contractor (100%) , TIWRP Expansion MF, RO, and VFD Systems – Sole Source (50%) , TIWRP Expansion Design-Build Bid and Award (0%) , Distribution System Exp. – Construction Contract. (0%) | TIWRP AWPFP Prequalification Packages, Selection Reports, MF, RO, and VFD Systems sole-source procurement documents, Contract Awards, Notice-to-Proceed, Bid Advertisements, Bid Documents | In progress |
| Task 10: Construction | | | |
| Subtask 10.1: Mobilization and Site Preparation | Procure materials and equipment, mobilize to site, and implement traffic control (0%) | | Not yet begun |
| Subtask 10.2: Project Construction | TIWRP Expansion. (0%) Distribution System Expansion Construction. (0%) | Site photos, Monthly and Quarterly Reports, Project completion certificate | Not yet begun |
| Subtask 10.3: Performance Testing and Demobilization | TIWRP Expansion Performance Testing (0%) , Distribution System Expansion Post-Construction (0%) , Regulatory Permit Testing (0%) , Punch List Item (0%) , Beneficial Occupancy (0%) , develop project monitoring plan. (0%) | Performance Testing Report, Regulatory Permit to Operate, Punch List Item, Certificate of beneficial occupancy, Project Performance Parameters Report, Project Performance Monitoring Plan | Not yet begun |
| Task 11: Environmental Compliance / Mitigation / Enhancement | As the TIWRP Expansion received a Categorical Exemption, all environmental mitigation required is for the Distribution System Expansion portion of the Project. (20%) | Environmental mitigation measures must be embedded in: Project Plans, Contract Specifications, Field Inspections | In progress |
| Task 12: Construction Administration | TIWRP Expansion Construction Management. (0%) Distribution System Expansion Construction Management. (0%) | Project Closeout Memo, Project Meetings with Contractor | Not yet begun |

Recycled Water Turnouts Project

The Recycled Water Turnouts Project (Project) Work Summary Table contains descriptive summaries of the tasks necessary to complete the Project, discusses the deliverables that will be provided, and discusses the current status of the Project, including work already completed.

| Task | Description of Work Completed, In Progress or to be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|--|---|---------------|
| Category (a): Direct Project Administration | | | |
| Task 1: Administration | The project manager will be responsible for generating progress reports and overall project coordination with stakeholders. The designated grant manager will manage the grant agreement, complete financial reports, and scheduled invoicing. (0%) Grant application preparation will be conducted by a consultant prior to grant award. (85%) | Invoices for reimbursement and complete grant application and other documents as necessary to receive grant award | In progress |
| Task 2: Labor Compliance Program | The WRD approved, adopted, and authorized implementation of a LCP in accordance with Labor Code Section 1771.5. (100%) | LCP documents | Completed |
| Task 3: Reporting | Submit reporting documents as required for grant funding. (0%) | Quarterly Progress and Final Reports | Not yet begun |
| Category (b): Land Purchase/Easement | | | |
| Task 4: Land Acquisition | WRD will secure necessary construction easements to perform the planned work from agencies having ministerial approval authority. (0%) | Construction Easements | Not yet begun |
| Category (c): Planning / Design / Engineering / Environmental Documentation | | | |
| Task 5: Assessment and Evaluation | Assess alternatives for obtaining new or additional water sources for groundwater replenishment. (100%) | GRIP Alternative Analysis Report, GRIP Alternative Analysis Update Report, Preliminary Engineering Report GRIP Recycled Water Project Final | Completed |
| Task 6: Final Design | Completion of project plans and specifications for the 10% and 60% design. (100%) Completion of the 90% design plans. (25%) Completion of the 100% design plans. (0%) | 10% , 60%, 90%, and 100% Design Plans | In progress |
| Task 7: Environmental Documentation | Complete CEQA environmental compliance. (100%) | Initial Study and MND | Completed |
| Task 8: Permitting | Obtain all necessary permits prior to the start of construction and prior to the grant award date. (50%) | Obtained: RWQCB 401 Permit and DFW 1602 Permit In Progress: U.S. Army Corps of Engineers 404/408 Permit and LACDPW Flood Permit | In progress |
| Category (d): Construction / Implementation | | | |
| Task 9: Construction Contracting | Advertise bid, pre-bid contractors meeting, evaluate bids, and award contract. Notice to Proceed will be issued by December 2014 once all necessary construction permits have been | Advertisement for bids, pre-bid contractors meeting, evaluation of bids, award contract, and | Not yet begun |

| | | | |
|--|--|--|---------------|
| | acquired. (0%) | Notice to Proceed | |
| Task 10: Construction | | | |
| Subtask 10.1: Mobilization and Site Preparation | The contractor will mobilize and establish a field office at the proposed project site. (0%) | Site photos | Not yet begun |
| Subtasks 10.2: Project Construction | Project construction will include construction of two reinforced concrete turn-out structures to be constructed on the existing recycled water pipeline that extends from the San Jose Creek Water Reclamation Plant. Construction activities will include: ground excavation, soil compaction, ground paving, fabrication of pipe stools, and installation of electrical wiring and instrumentation. Excavate ground, compact soil, pave ground, pre-cast lids; fabricate pipe stools; install electrical wiring and instrumentation. (0%) | Construction reports, design drawings, and Project completion report | Not yet begun |
| Subtasks 10.3: Performance Testing and Demobilization | Upon completion of construction, the contractor will conduct performance tests to demonstrate that the facilities met all performance requirements. The contractor will demobilize after WRD accepts the results of the performance tests, and will develop project monitoring plan. (0%) | Performance tests and Project Performance Monitoring Plan | Not yet begun |
| Task 11: Environmental Compliance/Mitigation/Enhancement | Mitigation measures will be implemented according to the Mitigation Monitoring and Reporting Program outlined in the environmental documents for the Project. (0%) | Mitigation Monitoring Plan Compliance Report | Not yet begun |
| Task 12: Construction Administration | A construction manager and field inspector will be contracted for this Project. The construction manager will be responsible for all construction management and the preparation of all construction documents. The field inspector will be responsible for overseeing the construction site, working with inspectors and officials on site, and working with the construction manager on all other aspects of the construction project. (0%) | Construction contractor agreement and field inspector agreement | Not yet begun |

Notes:

- DFW – California Department of Fish and Wildlife
- GRIP – Groundwater Reliability Improvement Program
- LACDPW – Los Angeles County Department of Public Works
- MMRP – Mitigation Monitoring and Reporting Program
- MND – Mitigated Negative Declaration
- WRD – Water Reclamation District
- RWQCB – Regional Water Quality Control Board

Goldsworthy Desalter Expansion Project

Work Summary

Goldsworthy Desalter Expansion Project

The Goldsworthy Desalter Expansion Project (Project) Work Summary Table contains descriptive summaries of the tasks necessary to complete the Project, discusses the deliverables that will be provided, and discusses the current status of the Project, including work already completed.

| Task | Description of Work Completed, In Progress, or To Be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|--|---|----------------|
| Category (a): Direct Project Administration | | | |
| Task 1: Administration | Enter into MOU with WRD for the operation and purchase of water from the Goldsworthy Desalter (100%) MOU to establish roles for reporting progress and submitting invoices for reimbursement (10%) Administration of grant funding application (0%) Grant application preparation will be conducted by a consultant prior to grant award. (85%) | MOUs, Invoices for reimbursement, and complete grant application and other documents | In progress |
| Task 2: Labor Compliance Program | The City of Torrance has a LCP in place. (100%) | LCP documents | Completed |
| Task 3: Reporting | Submit reporting documents as required for grant funding. (0%) | Quarterly Progress and Final Reports | Not yet begun |
| Category (b): Land Purchase/Easement | | | |
| Task 4: Land Acquisition | Not applicable | Not applicable | Not applicable |
| Category (c): Planning/Design/Engineering/Environmental Documentation | | | |
| Task 5: Assessment and Evaluation | Evaluate the feasibility of expanding the Goldsworthy Desalter. (100%) | Feasibility Study | Completed |
| Task 6: Final Design | Completion of project plans and specifications for the 90% design. (100%) Completion of the 100% design plans and specifications. (80%) | 90% Design Plans, Final (100%) Design Plans | In progress |
| Task 7: Environmental Documentation | Complete CEQA environmental documentation. (100%) | Initial Study and MND | Completed |
| Task 8: Permitting | Obtain all necessary permits. (0%) | <u>Permits:</u> RWQCB NPDES, Cal/OSHA Construction, LACDPH Drinking Water Program Well Permit, LACSD Sewer Discharge, City of Torrance Encroachment | In progress |
| Category (d): Construction/Implementation | | | |
| Task 9: Construction Contracting | Advertise construction management and construction bidding, pre-bid contractors meeting, evaluate bids, and award contract in accordance with public contract codes. (0%) | Advertisement for bids, pre-bid contractors meeting, evaluation of bids, award contract, and Notice to Proceed | Not yet begun |
| Task 10: Construction | | | |

| Task | Description of Work Completed, In Progress, or To Be Completed for Task (listed as % Complete) | Deliverables | Status |
|---|---|---|---------------|
| Subtask 10.1: Mobilization and Site Preparation | Mobilization includes civil site work conducted at well sites and along the pipeline route with site clean-up and preparation. (0%) | Site photos | Not yet begun |
| Subtasks 10.2: Project Construction | Construct well pump houses; well drilling at Delthorne Park and Police Station; install new energy-efficient equipment to upgrade RO Train No. 1; construct RO Train No. 2 to double treatment capacity; construct two new groundwater wellhead facilities; construct transmission mains from wells to Desalter; chemical feed improvements; start-up testing; operations training; conduct on-site inspections. (0%) | Test results, inspection reports, field reports, and Project completion certificate | Not yet begun |
| Subtasks 10.3: Performance Testing and Demobilization | WRD will oversee the testing of the well performance, well output, desalination treatment, water quality and pipeline integrity at the end of the construction phase. WRD will oversee all clean-up and demobilization of construction. As the operator of the facility, the City of Torrance will assume day-to-day responsibility for post-construction project monitoring. (0%) | Performance tests and Project Performance Monitoring Plan | Not yet begun |
| Task 11: Environmental Compliance / Mitigation / Enhancement | Conduct enhancement activities for mitigation measures and best management practices. Mitigation measures include practices to reduce air pollution and minimize construction impacts to water quality. The WRD and the City of Torrance will ensure safe handling of any mineral or archeological objects should they be uncovered on the well construction sites or pipeline pathways. Traffic-abatement measures will be implemented to allow for the installation of pipeline underneath the asphalt roadway. (0%) | Mitigation Monitoring Plan Compliance Report | Not yet begun |
| Task 12: Construction Administration | WRD will oversee the construction administration of the project via a contract construction manager. Progress meetings with Construction Manager/Foreman, City of Torrance, and project engineers. The City of Torrance will oversee data collection and reporting from the two new wells and the output of the Desalter as required by grant contract. (0%) | Construction contractor agreement | Not yet begun |

Notes:

Cal/OSHA – California Division of Occupational Safety and Health

LACSD – Los Angeles County Sanitation District

RO – Reverse Osmosis

Be a Water Saver Conservation Program Project

Work Summary

Be a Water Saver Conservation Program Project

The Be a Water Saver Conservation Program Project (Project) Work Summary Table contains descriptive summaries of the tasks necessary to complete the Project, discusses the deliverables that will be provided, and discusses the current status of the Project, including work already completed.

| Task | Description of Work Completed, In Progress, or To Be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|---|---|----------------|
| Category (a): Direct Project Administration | | | |
| Task 1: Administration | Implement and/or update agreements with consultants and with MWD to offer the various conservation rebate programs. (0%) Amend established agreements with MWD and consultants to include proposed conservation activities. (25%) MWD will handle administrative tasks associated with rebates. (0%) Approve distribution of rebate funds. (0%) Administration of grant funding application. (0%) Grant application preparation by consultant. (85%) | Agreements with consultants and MWD for conservation activities, amended contract agreements with consultant and MWD for rebate programs, Invoices for reimbursement, and completion of grant application and other documents as necessary. | In progress |
| Task 2: Labor Compliance Program | Not applicable | Not applicable | Not applicable |
| Task 3: Reporting | Submit reporting documents as required for grant funding. (0%) | Quarterly Progress and Final Reports | Not yet begun |
| Category (b): Land Purchase/Easement | | | |
| Task 4: Land Acquisition | Not applicable | Not applicable | Not applicable |
| Category (c): Planning/Design/Engineering/Environmental Documentation | | | |
| Task 5: Assessment and Evaluation | Assessment of sustainable water supplies by evaluating conservation programs (100%) | Technical Memo | Completed |
| Task 6: Final Design | Not applicable | Not applicable | Not applicable |
| Task 7: Environmental Documentation | Not applicable | Not applicable | Not applicable |
| Task 8: Permitting | Not applicable | Not applicable | Not applicable |
| Category (d): Construction/Implementation | | | |
| Task 9: Implementation Contracting | Competitive bidding process for Home Water program. (0%) Award proposal for Home Water program. (0%) Consultant agreement for the Home Water Reports and Customer Web Portal Program. (0%) Contract agreements for informational landscape classes and website development. (100%) | Solicit proposal, award contract, consultant agreement, and contract agreements | In progress |
| Task 10: Construction/Implementation | | | |
| Subtask 10.1: Mobilization and Site Preparation | Not applicable | Not applicable | Not applicable |
| Subtask 10.2: Project Implementation | Issue rebates for High Efficiency toilets, turf removal, and rain barrels (0%) Replace turf with acceptable native plants | Distribute rebates, turf removal and replacement, | Not yet begun |

| Task | Description of Work Completed, In Progress, or To Be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|---|---|----------------|
| | and permeable surfaces (0%) Implement Home Water Portal (0%) Implement WaterWise Website for the educational program and workshops (0%) Implement landscaping classes (0%) | customer web portal and informational website, landscaping plan website, and educational workshops. | |
| Subtask 10.3: Performance Testing and Demobilization | Project monitoring (0%) Evaluate water savings for proposed conservation measures (0%) Track the quantity of rebates completed (0%) Customer satisfaction survey (0%) | Project Performance Monitoring Plan, Post-installation inspection reports, annual water savings data, quarterly participation data, and customer satisfaction results | Not yet begun |
| Task 11: Environmental Compliance/Mitigation/Enhancement | Not applicable | Not applicable | Not applicable |
| Task 12: Construction Administration | Implementation management tasks will be completed by the City of Burbank and WRD (0%) | Implementation management | Not yet begun |

On-Site Recycled Water Retrofits Project

Work Summary

On-Site Recycled Water Retrofits Project

The On-Site Recycled Water Retrofits Project (Project) Work Summary Table contains descriptive summaries of the tasks necessary to complete the Project, discusses the deliverables that will be provided, and discusses the current status of the Project, including work already completed.

| Task | Description of Work Completed, In Progress or to be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|--|--|---------------|
| Category (a): Direct Project Administration | | | |
| Task 1: Administration | Grant application preparation by the consultant. (85%) The West Basin Municipal Water District (WBMWD) Project Manager (PM) will coordinate meetings, manage contracts, maintain the Project schedule, and collect all data. The PM will oversee the Project's conceptual proposal, implementation, and grant reporting. The PM will provide input, data, review documents and design plans, coordinate tasks throughout all phases of Project and be responsible for communication with the Project partners during implementation. (0%) | Complete grant application and other documents as necessary to receive grant award, invoices for reimbursement, Project schedule, and customer agreements | In progress |
| Task 2: Labor Compliance Program | The LCP will be requested by WBMWD to be maintained and implemented by the contractor. WBMWD's Construction Manager will review labor compliance reports prepared by the contractor. WBMWD will require that the contractor meet the prevailing wage requirements. (0%) | LCP documents | Not yet begun |
| Task 3: Reporting | Submit quarterly and final Report to the State per Proposition 84 requirements. (0%) | Quarterly Progress and Final Reports | Not yet begun |
| Category (b): Land Purchase/Easement | | | |
| Task 4: Land Acquisition | Acquire easement to construct laterals in public streets for the Manhattan Village Home Owners Association (HOA). (0%) No land acquisition is necessary. | Proof of Easement | Not yet begun |
| Category (c): Planning / Design / Engineering / Environmental Documentation | | | |
| Task 5: Assessment and Evaluation | The Project was identified for its feasibility in the 2009 Capital Implementation Master Plan. (100%) Other work to be completed includes Site Investigation and Assessments for the eight Project sites: Animo Charter Middle School (0%) , Jefferson Middle School (0%) , Dominguez Tech Center (20%) , Anderson Park (0%) , St. James School (0%) , Virco Manufacturing Corp. (0%) , Manhattan Village HOA (20%) , and Cal Trans - 105 and Western Ave. (0%) | <i>2009 Capital Implementation Master Plan, and Site Investigation and Assessment Reports</i> | In progress |
| Task 6: Final Design | Complete Project plans and specifications for the 60%, 90%, and 100% Design for: Animo Charter Middle School (0%) , Jefferson Middle School (0%) , Dominguez Tech Center (0%) , Anderson Park (0%) , St. James School (0%) , Virco Manufacturing Corp. (0%) , Manhattan Village HOA (0%) , and Cal Trans - 105 and Western Ave. (0%) | 60%, 90%, and 100% Design plans and specs | Not yet begun |
| Task 7: Environmental Documentation | A Programmatic Environmental Impact Report (EIR) was completed in 2003 for laterals that will feed several of the sites for this Project. Two additional Supplemental Environmental Assessments (EAs) were completed in 2007 and 2009 for other laterals related to the Project. (100%) The connections to the sites themselves do not require additional environmental studies because they will take place on private property. If the Manhattan Village HOA has specific requirements, these will be implemented. | <i>Harbor/South Bay Water Recycling Project Environmental Assessment / Initial Study (2003), and Supplemental Environmental Assessment / Subsequent Mitigated Negative Declaration (2007 & 2009)</i> | Completed |

| Task | Description of Work Completed, In Progress or to be Completed for Task (listed as % Complete) | Deliverables | Status |
|---|--|---|---------------|
| Task 8: Permitting | Obtain the following permits: <ul style="list-style-type: none"> Encroachment permits from each of the eight cities when work required outside private property (0%) Letters to and from Department of Public Health (DPH) regarding the Project's compliance with potable and recycled water separation criteria (0%) NPDES permit for Discharge of hydrostatic testing water (Manhattan Village HOA, Dominguez Tech Center, Virco, and Animo Charter Middle School) (0%) Caltrans will determine their involvement in permitting within their Project site connection (0%) | Encroachment permits, DPH overall permit and Project site letters, and NPDES permit | Not yet begun |
| Category (d): Construction / Implementation | | | |
| Task 9: Construction Contracting | WBMWD will prepare and advertise the bid and present the selected contractor to the WBMWD Board of Directors for construction Project award. (0%) The selected contractor will have to submit insurance, bonds, signed contract, etc. (0%) WBMWD will issue Notice to Proceed (NTP). (0%) | Bid documents, contract award, and NTP | Not yet begun |
| Task 10: Construction | | | |
| Subtask 10.1: Mobilization and Site Preparation | Procure DIG Alert for utility markings, surveying, potholing, material submittal, shop drawing submittals, contractor permits, construction temporal re-striping, attendance of meetings, material and equipment procurement, best management practices (BMPs), and storage area setup. (0%) | Survey results, shop drawing submittals, contractor permits, and construction BMPs and NPDES permit requirements implementation | Not yet begun |
| Subtasks 10.2: Project Construction | Project construction includes traffic control, sawcutting, trenching, pipe installation, pavement, restoration of stripping, and BMPs. (0%) | Site photos | Not yet begun |
| Subtasks 10.3: Performance Testing and Demobilization | Conduct pressure test, cleanup Project site and storage area, conduct a final walk through of the site for Project acceptance, demobilize site, and develop a Monitoring Plan. (0%) | Performance testing results, and Project Performance Monitoring Plan | Not yet begun |
| Task 11: Environmental Compliance / Mitigation / Enhancement | Throughout the construction, dust, noise, application of construction BMPs and environmental assessment recommendations will be monitored. Disposal of pressure test water will be conducted per NPDES permit requirements. These submittals will be provided as part of Subtask 10.1 as Mobilization and Site Preparation requirements. No enhancement or mitigation actions have been identified for this Project at this point. (0%) | This submittal will be provided under Subtask 10.1 (as Mobilization and Site Preparation requirements) | Not yet begun |
| Task 12: Construction Administration | A construction management company will be hired to assist the PM to perform inspections, compile construction reports, conduct field verifications, participate in negotiations, and maintain booking of log reports and submittals. Design Engineering will occur throughout construction. A construction outreach firm will be hired to operate the Project construction hotline and distribute construction notices. At construction completion a final notice of completion letter will be issued. (0%) | Construction Reports, field verifications, log reports, construction notices, and final notice of completion letter | Not yet begun |

Upper San Gabriel Valley Municipal Water District (USGVMWD) Recycled Water Program Expansion Project

The USGVMWD Recycled Water Program Expansion Project (Project) Work Summary Table contains descriptive summaries of the tasks necessary to complete the Project, discusses the deliverables that will be provided, and discusses the current status of the Project, including permitting activities.

| Task | Description of Work Completed, In Progress or to be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|--|--|----------------|
| Category (a): Direct Project Administration | | | |
| Task 1: Administration | Grant application preparation will be conducted by a consultant prior to grant award. (85%) USGVMWD will execute MOUs and agreements with the appropriate partner and act as grant administrator to see that all grant requirements are met. USGVMWD will coordinate with partner agencies and organizations to obtain the invoices and package for submittal for reimbursement of Project expenditures. (0%) | Complete grant application, MOUs, and invoices for reimbursement | In Progress |
| Task 2: Labor Compliance Program | A consultant will be hired to prepare the LCP. (0%) | LCP documents | Not yet begun |
| Task 3: Reporting | Necessary water usage data will be compiled for preparation of the quarterly reports and the final report as specified in the grant agreement. (0%) | Quarterly and Final Reports | Not yet begun |
| Category (b): Land Purchase/Easement | | | |
| Task 4: Land Acquisition | The proposed Project does not anticipate any land acquisition. | Not Applicable | Not Applicable |
| Category (c): Planning / Design / Engineering / Environmental Documentation | | | |
| Task 5: Assessment and Evaluation | Three technical evaluations/studies have been completed prior to the grant award date including: <ul style="list-style-type: none"> La Puente Valley County Water District (LPVCWD) Recycled Water Feasibility Study Report and supplemental La Puente Valley County Water District Recycled Water Project Technical Memorandum (100%) Feasibility Study for the Proposed South El Monte Water System (100%) Letter Report on Rose Hills Memorial Park and Cemetery Recycled Water Evaluation for Phase 2 and Rose Hills Memorial Park and Cemetery Supplemental Memorandum (100%) | LPVCWD Recycled Water Feasibility Study Report, Draft Feasibility Study for the Proposed South El Monte Water System, and Letter Report on Rose Hills Memorial Park and Cemetery Recycled Water Evaluation for Phase 2 | Complete |
| Task 6: Final Design | Design of the recycled water pipelines and retrofits of customers' irrigation system. Surveying and geotechnical investigation will be conducted and submittals will include preliminary design report, 60%, 90%, and 100% for plans and specifications including Civil, Structural, and Electrical, and Traffic Control. (0%) | Preliminary Design Report, 60% Design, 90% Design, and 100% Design plans and specifications | Not yet begun |
| Task 7: Environmental Documentation | An Initial Study and environmental compliance documents which will result in the adoption of a Negative Declaration will be completed prior to the grant award date to satisfy the CEQA requirements. (25%) | Approved and adopted CEQA documentation (Initial Study, Negative Declaration) | In progress |
| Task 8: Permitting | Obtain necessary permits including: <ul style="list-style-type: none"> Encroachment Permit from the City (0%) NPDES Discharge Permit from Regional Water Quality Control Board (RWQCB) (0%) Recycled water conversion approval from CDPH (0%) | Notice of Intents, City Encroachment Permits, NPDES Discharge Permit, and Recycled Water Conversion Permit | Not yet begun |

| Task | Description of Work Completed, In Progress or to be Completed for Task (listed as % Complete) | Deliverables | Status |
|---|--|--|---------------|
| Category (d): Construction / Implementation | | | |
| Task 9: Construction Contracting | Project bid documents will be prepared, a pre-proposal meeting will be scheduled to go over the scope of the Project with bidders, and responses to any Requests for Information (RFIs) during the bid period will be prepared. The successful bidder will be awarded the contract, and Notice to Proceed (NTP) will be issued. (0%) | Advertisement for bids, pre-proposal meeting, responses to RFIs, bid evaluations, contract award | Not yet begun |
| Task 10: Construction | | | |
| Subtask 10.1: Mobilization and Site Preparation | Contractor will mobilize the site and provide a detailed construction schedule, and meet with appropriate City staff, implementing agencies and USGVMWD representatives to go over their proposed work plan to get concurrence if construction activities were to take place in public streets (i.e. pipelines). Contractor will also document the pre-construction site conditions with photos and videos. (0%) | Project schedules, contractor meeting minutes, and site photos/videos | Not yet begun |
| Subtasks 10.2: Project Construction | For construction of recycled water pipelines in public streets, the contractor will pothole for utilities along the pipeline alignment and set up traffic control per the City approved Traffic Control Plan. Construction activities will include demolition of existing pavement, installation of pipeline and valves. For recycled water retrofits, construction activities will include installation of recycled water pipes, new recycled water meter, backflow prevention device, and disconnection of the irrigation system from potable water line. All recycled water equipment will be appropriately tagged. (0%) | Daily construction report including photos, construction signage, and traffic control | Not yet begun |
| Subtasks 10.3: Performance Testing and Demobilization | Contractor will perform hydrostatic pressure tests on all installed pipeline per specifications to check for leakage. A final shut-down test will be conducted with CDPH staff prior to receiving sign-off on the recycled water retrofits to verify the physical separation of the irrigation system from potable water and verify it is connected to the recycled water supply. Following completion of tests and construction, the site will be demobilized, and a Monitoring Plan will be developed. (0%) | Project completion certificate, post-construction photos/videos, testing certifications, and Monitoring Plan | Not yet begun |
| Task 11: Environmental Compliance / Mitigation / Enhancement | CEQA requirements will be completed prior to the grant award date and are not anticipated to require any mitigation measures. (0%) | None expected | Not yet begun |
| Task 12: Construction Administration | Construction administration will include construction management such as inspections, accounting, regulatory agency compliance, and handling of construction issues that will involve the Implementing Agencies. (0%) | Billing invoices, issues documentation, and inspection reports | Not yet begun |

West Coast Basin Barrier Project Unit 12 Injection and Observation Wells Project

The West Coast Basin Barrier Project Unit 12 Injection and Observation Wells Project (Project) Work Summary Table contains descriptive summaries of the tasks necessary to complete the Project, discusses the deliverables that will be provided, and discusses the current status of the Project, including permitting activities.

| Task | Description of Work Completed, In Progress or to be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|--|--|----------------|
| Category (a): Direct Project Administration | | | |
| Task 1: Administration | Grant application preparation will be conducted by a consultant prior to grant award. (85%) Upon award of the grant, LACFCD will process the necessary agreements and paperwork to accept and abide by the grant requirements. Reimbursement requests will be sent as outlined in the grant agreement with all the necessary supporting documentation. (0%) | Complete grant application and other documents as necessary to receive grant award, and invoices for reimbursement | In progress |
| Task 2: Labor Compliance Program | LACFCD currently has a Labor Compliance Program (LCP ID: 2011.01022) which has been approved by the State for Prop 84 grants. (100%) | LCP documents | Completed |
| Task 3: Reporting | LACFCD staff will prepare and provide the necessary quarterly and Final Reports as specified in the grant agreement and guidelines. (0%) | Quarterly Progress and Final Reports | Not yet begun |
| Category (b): Land Purchase/Easement | | | |
| Task 4: Land Acquisition | None required. The Project is constructed completely within public right of way. | Not applicable | Not applicable |
| Category (c): Planning / Design / Engineering / Environmental Documentation | | | |
| Task 5: Assessment and Evaluation | A Project Design Concept was prepared and finalized on 10/20/10. (100%) | Project Design Concept | Completed |
| Task 6: Final Design | 60%, 90%, and 100% design plans, specifications, and estimate were completed on 7/3/12. (100%) | 60%, 90%, and 100% design plans, specifications and estimate | Completed |
| Task 7: Environmental Documentation | The Project is categorically exempt from the provisions of CEQA. The categorical exemption will be adopted when the Project is advertised in November 2014. (95%) This is not a federal aid project, and NEPA is not required. | Adopted Categorical Exemption | In progress |
| Task 8: Permitting | LACFCD will obtain an engineering permit from the City of Redondo Beach in July. (0%) | City of Redondo Beach Engineering Permit | In progress |
| Category (d): Construction / Implementation | | | |
| Task 9: Construction Contracting | Advertise Project and solicit bids (0%) Award Contract (0%) Execute Agreement with Contractor (0%) Issue Notice to Proceed (NTP) 1 for mobilization (0%) Issue NTP 2 for construction (0%) | Bid solicitation package, contract award, agreement with contractor, NTP 1, and NTP 2 | Not yet begun |
| Task 10: Construction | | | |
| Subtask 10.1: Mobilization and Site Preparation | Contractor will mobilize to the work site, establish a field office, produce a project schedule and provide the necessary submittals. (0%) LACFCD reviews and approves submittals. (0%) | Project schedule, and other contractor submittals | Not yet begun |
| Subtasks 10.2: Project Construction | Construction activities will include drilling the injection and observation wells, installing well casing, filter pack, and seal, pumping the well for development, and treating the water for discharge. (0%) | Site photos | Not yet begun |

| Task | Description of Work Completed, In Progress or to be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|---|--|----------------|
| Subtasks 10.3: Performance Testing and Demobilization | After the completing the construction of all the injection and observation wells, the contractor will demobilize from the site. (0%) A Monitoring Plan will be developed and implemented using the new observation wells. (0%) | Project Performance Monitoring Plan | Not yet begun |
| Task 11: Environmental Compliance / Mitigation / Enhancement | No mitigation or enhancement is required for this Project. | Not applicable | Not applicable |
| Task 12: Construction Administration | LACFCD will have office staff and field inspectors assigned to the Project to ensure the contractor meets Project design and specification criteria. Field inspectors will keep notes on hours worked, equipment used, and materials installed. (0%) Office staff will utilize the field notes to authorize progress payments and Project closeout documents. (0%) | Field notes on construction activities, payment authorizations, and Project closeout documents | Not yet begun |

Rockhaven Well Project

Work Summary

Rockhaven Well Project

The Rockhaven Well Project (Project) Work Summary Table contains descriptive summaries of the tasks necessary to complete the Project, discusses the deliverables that will be provided, and discusses the current status of the Project, including work already completed.

| Task | Description of Work Completed, In Progress or to be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|--|--|---------------|
| Category (a): Direct Project Administration | | | |
| Task 1: Administration | <ul style="list-style-type: none"> a. Reimbursement invoicing with Department of Water Resources (DWR) (0%) b. Administration of Crescenta Valley Water District (CVWD) and Glendale Water and Power (GWP) agreement for the use of the site and cost of water. (40%) c. Administration of contracts with consultants, contractors, and vendors. (0%) d. Grant application preparation by consultant (85%) | <ul style="list-style-type: none"> a. Invoices for reimbursement b. CVWD/GWP Agreement c. Vendor Agreements d. Complete grant application (pending conditional acceptance) | Not yet begun |
| Task 2: Labor Compliance Program | CVWD's LCP will be included in the Project specifications and is managed by Contractor Compliance and Monitoring Inc. (20%) | LCP documents | In progress |
| Task 3: Reporting | Submit reporting documents as required for grant funding. (0%) | Quarterly Progress and Final Reports | Not yet begun |
| Category (b): Land Purchase/Easement | | | |
| Task 4: Land Acquisition | The Rockhaven Well site is owned by GWP and CVWD will enter into a lease agreement to operate the well on behalf of CVWD and GWP. (40%) | CVWD/GWP lease Agreement | In progress |
| Category (c): Planning / Design / Engineering / Environmental Documentation | | | |
| Task 5: Assessment and Evaluation | <ul style="list-style-type: none"> a. Subsurface investigation to test production well viability. (100%) b. Exploratory bid package for well drilling, well casing design, mechanical development and discharge, pump testing, and water quality testing. (100%) c. Analysis of pump test and water quality data to demonstrate viability as a potable water source (100%) | <ul style="list-style-type: none"> a. Rockhaven No. 1 Pit Hole and Well Memorandum b. Rockhaven Exploratory Bid Package c. Rockhaven Exploratory Letter report | In progress |
| Task 6: Final Design | <ul style="list-style-type: none"> a. Prepare preliminary design to identify major elements for final design (0%) b. Well site design by consultant (0%) c. Pipeline design by CVWD (0%) d. Incorporate design plans into one construction bid package. (0%) | Preliminary Design Report; Plans and specifications | In progress |
| Task 7: Environmental Documentation | CEQA Negative Declaration prepared and Notice of Determination was completed on June 17, 2014. (100%) | Notice of Determination | In progress |
| Task 8: Permitting | CVWD will obtain all necessary permits for construction including: <ul style="list-style-type: none"> a. Excavation Permit - City of Glendale (0%) b. NPDES Permit - Regional Water Quality Control Board (0%) c. Storm Drain Permit - Los Angeles County, Department of Public Works (0%) | Excavation, NPDES, Storm Drain, and Electrical permits | Not yet begun |

| Task | Description of Work Completed, In Progress or to be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|---|--|----------------|
| | d. Electrical Permit - Glendale Water and Power (0%) | | |
| Category (d): Construction / Implementation | | | |
| Task 9: Construction Contracting | a. Advertise bid (0%) b. Pre-bid meeting and walkthrough (0%) c. Evaluate bids (0%) d. Award contract (0%) | Advertisement for bids, Contract award, Agreement, Insurance Certificates | Not yet begun |
| Task 10: Construction | | | |
| Subtask 10.1: Mobilization and Site Preparation | a. Order material – CVWD (0%) b. Mobilization (0%) c. Site preparation (0%) | | Not yet begun |
| Subtasks 10.2: Project Construction | a. Pre-Construction meeting (0%) b. Shop drawing review (0%) c. Install on-site piping & electrical conduits (0%) d. Install off-site storm drain (0%) e. Install site improvements for building (0%) f. Install building (0%) g. Install pump & motor (0%) h. Install motor control center, wiring & conduits (0%) i. Install electrical service (0%) j. Install SCADA/telemetry (0%) k. Final on-site improvements (0%) l. Final punch list (0%) m. Install 8-inch water main (0%) n. Complete construction (0%) | Site photos Construction reports | Not yet begun |
| Subtasks 10.3: Performance Testing and Demobilization | a. Develop performance monitoring plan b. Pump startup and performance testing (0%) c. Water quality testing (0%) d. Demobilization (0%) | Project Performance Monitoring Plan and performance testing results | Not yet begun |
| Task 11: Environmental Compliance / Mitigation / Enhancement | Not applicable | Not applicable | Not applicable |
| Task 12: Construction Administration | a. Construction management services will be performed by CVWD's inspector (0%) b. Soils testing by subcontractor (0%) c. Concrete testing by subcontractor (0%) d. Electrical inspection by subcontractor (0%) | As-Built Drawings; Telemetry Piping and Instrumentation Drawings; Manufacturer Warranty; Manuals; Project completion certificate | Not yet begun |

Water Budget Based Rate Implementation Project

Work Summary

Water Budget Based Rate Implementation Project

The Water Budget Based Rate Implementation Project (Project) Work Summary Table contains descriptive summaries of the tasks necessary to complete the Project, discusses the deliverables that will be provided, and discusses the current status of the Project, including work already completed.

| Task | Description of Work Completed, In Progress or To Be Completed for Task (% Complete) | Deliverables | Status |
|--|--|---|----------------|
| Category (a): Direct Project Administration | | | |
| Task 1: Administration | Grant administration: application (85%) and invoicing (0%) . Grant application preparation by consultant (85%) | Complete grant application (pending conditional acceptance) and other documents as necessary, Invoices | In progress |
| Task2 : Labor Compliance Program | Add language in the PBWA Bid Specifications notifying the bidders that bids must comply with California Labor Code Section 1771.5(b). (0%) | Certified payroll provided by the Contractor | Not yet begun |
| Task 3: Reporting | Grant reporting (0%) | Quarterly Progress and Final Reports | Not yet begun |
| Category (b): Land Purchase/Easement | | | |
| Task 4: Land Acquisition | Not applicable | Not applicable | Not applicable |
| Category (c): Planning / Design / Engineering / Environmental Documentation | | | |
| Task 5: Assessment and Evaluation | (a) <i>Water Budget Based Rates Implementation – Cost Effectiveness Analysis, including Appendix: LVMWD Memorandum - Post-Drought Water Demand; April 2012</i> (100%) | (a) White Paper with Appended Memorandum | Completed |
| Task 6: Final Design | Not applicable | Not applicable | Not applicable |
| Task 7: Environmental Documentation | Not applicable | Not applicable | Not applicable |
| Task 8: Permitting | Not applicable | Not applicable | Not applicable |
| Category (d): Construction / Implementation | | | |
| Task 9: Implementation Contracting | Develop scope of work and request for proposals; advertise for bids; evaluation of bids; and award contracts for various vendors: (a) Budget based rates consultant (100%) (b) Aerial Imagery acquisition (100%) (c) Financial rate consultant for cost of service and rate structure (0%) (d) Temporary staff for customer data development (0%) (e) Evapotranspiration data vendor (0%) (f) Billing system software upgrade (0%) | Scope of work, request for proposals and contracts awarded. | In progress |
| Task 10: Implementation | | | |
| Subtask 10.1: Mobilization and Site Preparation | Not applicable | Not applicable | Not applicable |
| Subtask 10.2: Project Construction/Implementation | (a) Aerial imagery and irrigated landscape delineation production and verification (5%) (b) Analyze existing data to estimate actual indoor use and summarize prior studies of | (a) GIS and Excel data of irrigated area for each customer parcel (b) Indoor Use Staff Report (c) Evapotranspiration Data | In progress |

| Task | Description of Work Completed, In Progress or To Be Completed for Task (% Complete) | Deliverables | Status |
|--|---|--|----------------|
| | <p>actual and efficient indoor use for a staff report and recommendation on the indoor use allocation. (0%)</p> <p>(c) Prepare evapotranspiration data (0%)</p> <p>(d) Complete cost of service analysis and design rates in a water budget framework (0%)</p> <p>(e) Modify Customer Information/Billing System to accommodate water-budget based rate structure calculating a customer’s bill based on irrigated area, indoor usage, actual evapotranspiration and other usage (through variances). The upgrade will provide a monthly billing structure. (0%)</p> <p>(f) Develop an implementation plan to further Automatic Meter Reading/Infrastructure (AMR/AMI) installation and operation to determine accurate monthly customer billing (0%)</p> <p>(g) Conduct additional manual meter readings until AMR/AMI system is sufficiently developed such that monthly meter reading can be accomplished in-house. (0%)</p> <p>(h) Identify revisions needed in LVMWD Code to accommodate budget based rates (0%)</p> <p>(i) Update and implement draft Public Outreach Plan for the Project (0%)</p> | <p>(d) Cost of Service Report and Budget based rate structure for all customer classes</p> <p>(e) Customer Information/Billing System capable of implementing budget based billing</p> <p>(f) AMR/AMI implementation plan</p> <p>(g) Monthly meter reads</p> <p>(h) Las Virgenes Code Revision Memorandum</p> <p>(i) Public Outreach Plan</p> <ul style="list-style-type: none"> • Prop. 218 notice • Prop. 218 hearing • Web pages • Survey mailer for customer data • Workshops • News release | |
| Subtask 10.3: Performance Testing and Demobilization | Not applicable | Not applicable | Not applicable |
| Task 11: Environmental Compliance / Mitigation / Enhancement | Not applicable | Not applicable | Not applicable |
| Task 12: Construction Administration | Not applicable | Not applicable | Not applicable |

Well No. 2 Rehabilitation Project

Work Summary

Well No. 2 Rehabilitation Project

The City of Inglewood (City) Well No. 2 Rehabilitation Project (Project) Work Summary Table contains descriptive summaries of the tasks necessary to complete the Project, discusses the deliverables that will be provided, and discusses the current status of the Project, including work already completed.

| Task | Description of Work Completed, In Progress or To Be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|---|--|----------------|
| Category (a): Direct Project Administration | | | |
| Task 1: Administration | Administration of reimbursement invoices (0%) Grant application preparation by consultant. (85%) | Invoices for reimbursement and complete grant application and other documents as necessary | In progress |
| Task 2: Labor Compliance Program | Add language in the Bid Specifications notifying the bidders that bids must comply with California Labor Code Section 1771.5(b). (0%) | Certified payroll provided by the Contractor | Not yet begun |
| Task 3: Reporting | Submit reporting documents as required for grant funding. (0%) | Quarterly Progress and Final Reports | Not yet begun |
| Category (b): Land Purchase/Easement | | | |
| Task 4: Land Acquisition | No land will need to be acquired or leased for this Project. Not applicable. | Not applicable | Not applicable |
| Category (c): Planning / Design / Engineering / Environmental Documentation | | | |
| Task 5: Assessment and Evaluation | <i>Preliminary Evaluation of Downwell Condition Municipal-Supply Water Well No. 2 City of Inglewood:</i> provides recommendations for rehabilitation, prepared by Richard C. Slade Associates on 3/21/2014. (100%) | Technical Memorandum | Completed |
| Task 6: Final Design | Since this is an existing well rehabilitation, the City will Prepare the Bid Package using as-built plans, driller's logs, existing pump/motor data, and Project specifications. (0%) | Bid Package | Completed |
| Task 7: Environmental Documentation | CEQA/National Environmental Policy Act (NEPA): Category Exemption will be filed with Los Angeles County Clerk Office during the bidding process. (0%) | Approved and adopted CEQA/NEPA documentation | Not yet begun |
| Task 8: Permitting | Project will use existing NPDES Permit #CAG994005 for groundwater discharge during construction (100%) | NPDES Permit | Completed |
| Category (d): Construction / Implementation | | | |
| Task 9: Construction Contracting | Advertise for bids (0%) Hold pre-bid contractors meeting (0%) Evaluate bids (0%) Award contract (0%) | Advertisement for bids and contract award | Not yet begun |
| Task 10: Construction | | | |
| Subtask 10.1: Mobilization and Site Preparation | Mobilization (0%) Site Preparation (0%) | | Not yet begun |
| Subtasks 10.2: Project Construction | 1) Removing existing pump/motor assemblies (0%) 2) Video inspection of the existing well (0%) 3) Wire-brushing (0%) 4) Jetting (0%) 5) Bailing (0%) 6) Chemical treatment (0%) | Site photos | Not yet begun |
| Subtasks 10.3: Performance Testing and Demobilization | 1) Installation of Test Pump (0%) 2) Installation of Discharge Manifold (0%) 3) Well production test (0%) | Performance testing results and Project Performance Monitoring | Not yet begun |

| Task | Description of Work Completed, In Progress or To Be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|--|--|----------------|
| | 4) Re-installation of pump/motor assemblies (0%) | Plan | |
| Task 11: Environmental Compliance / Mitigation / Enhancement | No additional environmental mitigations are required beyond existing permit compliance. | Not applicable | Not applicable |
| Task 12: Construction Administration | Construction administration and inspection will be done by City. (0%) Prepare Project inspection Report. (0%) | Project inspection report and Project completion certificate | Not yet begun |

Pomona Basin Regional Groundwater Project

Work Summary

Pomona Basin Regional Groundwater Project

The Pomona Basin Regional Groundwater Project (Project) Work Summary Table contains descriptive summaries of the tasks necessary to complete the Project, discusses the deliverables that will be provided, and discusses the current status of the Project, including work already completed.

| Task | Description of Work Completed, In Progress or To Be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|---|---|---------------|
| Category (a): Direct Project Administration | | | |
| Task 1: Administration | Internal Project administration including holding meetings and progress reporting (0%) Reimbursement invoicing with DWR (0%) Grant application preparation by consultant (85%) | Progress Reports, Invoices, Complete grant application and other documents as necessary | In progress |
| Task 2: Labor Compliance Program | Add language in the PBWA Bid Specifications notifying the bidders that bids must comply with California Labor Code Section 1771.5(b). (20%) | LCP Documents | In progress |
| Task 3: Reporting | Quarterly and Final Reports as required by DWR (0%) | Quarterly Progress and Final Reports | Not yet begun |
| Category (b): Land Purchase/Easement | | | |
| Task 4: Land Acquisition | Property lease agreement with the City of La Verne for the Old Baldy well site (90%) Property lease agreement with Golden State Water Company for the Durward well site (50%) | Fully Executed lease agreements | In progress |
| Category (c): Planning / Design / Engineering / Environmental Documentation | | | |
| Task 5: Assessment and Evaluation | a. Pomona Basin Regional Groundwater Project Alternatives Evaluation – Nov 15, 2012. (100%) b. Pomona Basin Regional Groundwater Project Final Engineering Report – Feb 7, 2014 (100%) c. Six Basins Groundwater Project Hydraulic Analysis (100%) | a. Technical Memorandum b. Engineering Report c. Hydraulic Engineering Report | Completed |
| Task 6: Final Design | a. Perform Site Investigation (25%) b. Prepare the following Bid Packages: <ul style="list-style-type: none"> • Bid Package #1: PWR Joint Water Line Improvements (20%) • Bid Package #3: Durward Well equipping and connection to the PWR Line (0%) • Bid Package #4: Connection of Old Baldy to the PWR line (0%) c. Prepare Bid Package #2 for design and construction of Durward Well to be performed by well drilling contractor. (0%) | a. Topographic Survey, Geotechnical Evaluation, Electrical & Structural criteria b. Each Bid Package: <ul style="list-style-type: none"> • 50% Submittal • 90% Submittal • 100% Submittal c. Well Design Bid Package | In progress |
| Task 7: Environmental Documentation | CEQA - File Categorical Exemption with the California State Clearing House (0%) | Approved and adopted CEQA/NEPA documentation | Not yet begun |
| Task 8: Permitting | Determination of and preparation of necessary permits (0%) | Encroachment Permit, NPDES Discharge Permit, Railroad crossing permit | Not yet begun |
| Category (d): Construction / Implementation | | | |
| Task 9: Construction Contracting | The following activities must take place for Bid Packages 1, 2, 3, and 4: Bid opening (0%) , Hold pre-bid meeting (0%) , Evaluate | Advertisement for bids, Pre-bid meeting, Contract Award | Not yet begun |

| Task | Description of Work Completed, In Progress or To Be Completed for Task (listed as % Complete) | Deliverables | Status |
|--|---|---|----------------|
| | bids (0%) , Award contract (0%) | | |
| Task 10: Construction | | | |
| Subtask 10.1: Mobilization and Site Preparation | The following activities must take place for Bid Packages 1, 2, 3, and 4: Mobilization (0%) Site Preparation (0%) | | Not yet begun |
| Subtasks 10.2: Project Construction | Bid Package #1 - PWR Joint Water Line Improvements: a. Fabrication and procurement of materials. (0%) b. Installation/implementation of the following: <ul style="list-style-type: none"> • Old Baldy site excavation and shoring (0%) • Install 60" valve (0%) • Install 8" bypass piping, flow control valve, flow meter, and vault (0%) • Durward site excavation and shoring (0%) • Install 54" valve (0%) • Install 18" bypass piping, flow control valve and flow meter (0%) Bid Package #2 - Durward Well Installation c. Install new well, pump, and motor (0%) Bid Package #3 - Durward Well Equipping and Connection: d. Construct wellhouse structure (0%) e. Mechanical work including Install disinfection system (0%) f. Electrical work including installation of power and control facilitates (0%) g. Paving (0%) Bid Package #4 - Old Baldy Well Connection: h. Fabrication and procurement of materials. (0%) i. Installation/implementation of the following: <ul style="list-style-type: none"> • Install yard piping improvements (0%) • Install 2,400 feet of 24" pipeline to Durward Well Site (0%) • Complete installation of power and control facilitates (0%) | | Not yet begun |
| Subtasks 10.3: Performance Testing and Demobilization | Develop Monitoring Plan (0%) The following activities must take place for Bid Packages 1, 2, 3, and 4: Performance Testing (0%) , Demobilization (0%) | Project Performance Monitoring Plan and performance testing results | Not yet begun |
| Task 11: Environmental Compliance / Mitigation / Enhancement | Not applicable | Not applicable | Not applicable |
| Task 12: Construction Administration | Provided by PBWA and/or its consultant: Construction Management (0%) , Construction progress reporting (0%) , Hold Progress Meetings (0%) Review Shop Drawings (0%) , Invoicing (0%) Produce As-Built Record Drawings (0%) | Invoices, shop drawings, as built record drawings, site photos, As-Built Record Drawings completion certificate | Not yet begun |