

**WATERSHEDS COALITION OF VENTURA COUNTY
2014 Drought Grant Proposal**

WORK SUMMARY

VENTURA COUNTY AGRICULTURAL WATER USE EFFICIENCY PROGRAM

Below is a summary of the tasks necessary to complete the Ventura County Agricultural Water Use Efficiency Program.

Direct Project Administration

Specific tasks related to Direct Project Administration will include Administration, Labor Compliance (to the extent applicable), and Reporting. The Ventura County Watershed Protection District (VCWPD) will enter into a subcontract with the County of Ventura for grant management but will retain the primary responsibility for overseeing general project administration, invoicing, and reporting for the Ventura County Agricultural Water Use Efficiency Program.

Administration. VCWPD will be the administrative lead and coordinate all activities of project partners – the Ventura County Resource Conservation District, Ventura County Farm Bureau, and University of California Cooperative Extension. These entities have provided letters of commitment to Ventura County describing their involvement with the project including their various financial and staff obligations. VCWPD will prepare invoices for the grant. Administration cannot begin until grant award and is therefore currently 0% complete.

Labor Compliance. VCWPD will require labor compliance in accordance with the requirements of California Labor Code §1771.5(b). Labor compliance, as applicable, will be performed during implementation and is therefore currently 0% complete.

Reporting. VCPWD will provide the documentation necessary for Ventura County to execute a grant agreement with the Department of Water Resources consisting of a detailed work plan, a detailed budget, documentation to support project justification claims, and audited financial statements. VCPWD will prepare quarterly progress reports and a final project report describing the project and its outcomes. Several of the Reporting activities (such as preparing a detailed budget and work plan) have been completed, but the majority of the work cannot occur until grant agreement execution. The Reporting task is approximately 5% complete.

Deliverables. Materials needed to execute the grant agreement, quarterly progress reports, final project report, and invoices.

Land Purchase/Easement

No land purchase or easement acquisition is required for implementation of this project.

Planning/Design/Engineering/Environmental Documentation

Specific tasks related to Planning/Design/Engineering/Environmental Documentation will include Environmental Documentation, Design, and Assessment and Evaluation. As described below, Permitting does not apply to this project.

Environmental Documentation. The project involves evaluation, recommendation, and implementation of irrigation improvements on agricultural lands within Ventura County. The project falls under CEQA Categorical Exemption Class 1. A Notice of Exemption will be filed with the Ventura County Clerk. This task is approximately 5% complete.

Design. The Ventura County Agricultural Water Use Efficiency Program will be modeled after another successful program, the Mobile Irrigation Lab. Design will include developing an outreach plan, developing a survey and criteria used to select program participants,

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developing an agreement for program participants, and defining the methods to evaluate irrigation efficiency improvements. This task is 20% complete.

Permitting. VCWPD has reviewed the various aspects of the project and has determined that no permits are necessary.

Assessment and Evaluation. Before grant execution, VCWPD will prepare a Project Performance Monitoring Plan. The Ventura County Agricultural Water Use Efficiency Program will build upon and refine the assessment and techniques used as part of the earlier Irrigation Mobile Lab. This task is approximately 25% complete.

Deliverables. Advertising and outreach plan, criteria for selecting program participants, draft agreement for program participants, methods to be used to evaluate irrigation efficiency improvements, Project Performance Monitoring Plan.

Construction/Implementation

Specific tasks will include Construction/Implementation and Construction Administration. Construction Contracting does not apply to this project.

Construction Contracting. This task is not applicable because individual growers will be responsible for installing new irrigation equipment and implementing recommended BMPs.

Construction/Implementation. VCWPD will survey and evaluate potential participants for the program and identify those growers that will most benefit from water efficiency improvements. Prior to the beginning of work, VCWPD will execute agreements with growers participating in the program that define the obligations of VCWPD, obligations of the growers, and the requirements for receiving rebates (e.g., documentation of costs, photos of equipment installation, review of equipment installation, training on proper use of equipment). VCWPD and its partners will perform irrigation distribution uniformity evaluations for participating growers and use these data to identify the most efficacious best management practices (BMPs). Based on the past Mobile Irrigation Lab, BMPs that will be considered include upgrades to irrigation systems such as:

- Irrigation Timers
- Sprinklers
- Drip Tape
- Drip Emitters
- Meters
- Soil moisture sensors
- Irrigation software

VCWPD will make specific recommendations to improve irrigation efficiency using measures previously approved/vetted by the US Department of Agriculture, the Natural Resource Conservation Service, and/or UC Cooperative Extension. The result will be a Pre-BMP Evaluation Report for each participating grower. Equipment purchase and installation will be the responsibility of the grower but will be supported by rebates for equipment. VCWPD and its partners will perform evaluations after installation of the new irrigation BMPs and equipment, check equipment efficiency, and provide instruction on proper use of new equipment. The post-project evaluation, including BMP installation photos, will be summarized in a Post-BMP Evaluation Report. This task is 0% complete.

Construction Administration. Construction administration will include evaluating water savings and the resultant cost share percentage/rebate. This task includes preparation and delivery of reimbursement checks to participants. This task is 0% complete.

Deliverables. Pre-BMP Evaluation Reports, Post-BMP Evaluation Reports, Summary of rebates to growers.

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SALINITY MANAGEMENT PIPELINE, PHASE 2D

Below is a summary of the tasks necessary to complete the Salinity Management Pipeline (SMP), Phase 2D.

Direct Project Administration

Specific tasks related to Direct Project Administration will include Administration, Labor Compliance, and Reporting. Calleguas Municipal Water District (Calleguas) will enter into a subcontract with the County of Ventura for grant management but will retain the primary responsibility for overseeing general project administration, invoicing, and reporting for SMP 2D.

Administration. Calleguas will prepare invoices for the grant. Administration cannot begin until grant award and is therefore currently 0% complete.

Labor Compliance. Calleguas will use a consultant to perform labor compliance in accordance with the requirements of California Labor Code §1771.5(b). Labor compliance will be performed during construction and is therefore currently 0% complete.

Reporting. Calleguas will provide all the documentation necessary for Ventura County to execute a grant agreement with the Department of Water Resources consisting of a detailed work plan, a detailed budget, documentation to support project justification claims, CEQA documentation, and audited financial statements. Calleguas will prepare quarterly progress reports and a final project report describing the project and its outcomes. Several of the Reporting activities (such as preparing a detailed budget and work plan) have been completed, but the majority of the work cannot occur until grant agreement execution. The Reporting task is approximately 5% complete.

Deliverables. Materials needed to execute the grant agreement, quarterly progress reports, final project report, invoices, and documentation of labor compliance (as requested).

Land Purchase/Easement

Calleguas is currently in the process of acquiring easements for SMP 2D from eight private landowners along the alignment. Four of the easements have been acquired; for the remaining four, offers were made and negotiations undertaken, but the easements have not been granted. In order to proceed with the project, Calleguas' Board has adopted Resolutions of Necessity and legal counsel has initiated eminent domain proceedings. This task is approximately 75% complete.

Deliverables. Easement deeds.

Planning/Design/Engineering/Environmental Documentation

Specific tasks related to Planning/Design/Engineering/Environmental Documentation will include Environmental Documentation, Design, Permitting, and Assessment and Evaluation.

Environmental Documentation. The Calleguas Board of Directors certified a Final Environmental Impact Report, made the required findings, and adopted a Mitigation Monitoring and Reporting Program for this phase of the SMP in April 2014. This task is 100% complete.

Design. A Preliminary Design Report and 90% plans and specifications have been completed for SMP 2D. This task is approximately 90% complete.

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Permitting. Calleguas will acquire encroachment permits from the City of Camarillo, the County of Ventura Transportation Department, Caltrans, and the Ventura County Watershed Protection District. The encroachment permitting process is 25% complete. Calleguas will apply for coverage under the *General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities* (a State Water Resources Control Board permit). Work on this permit is 25% complete. In addition Calleguas will obtain coverage under the *General Permit for Discharges of Low Threat Hydrostatic Test Water to Surface Waters* (a Regional Water Quality Control Board permit). The activities necessary to obtain coverage under the General Permit are 75% complete. Overall, permitting activities are 40% complete.

Assessment and Evaluation. Prior to grant execution, Calleguas will prepare a Project Performance Monitoring Plan. Following construction, Calleguas will monitor the quantity and quality of brine discharged to the SMP and prepare an estimate of salt removal. Work will not start on this task until notice of grant award and is therefore 0% complete.

Deliverables. CEQA documentation, final plans and specifications, permits, Project Performance Monitoring Plan, flow and quality data for influent to SMP 2D, and an estimate of salt removal.

Construction/Implementation

Specific tasks will include Construction Contracting, Construction, Environmental Compliance/Mitigation/Enhancement, and Construction Administration.

Construction Contracting. SMP 2D will be advertised for bidding through standard Calleguas procedures. Calleguas will award the project to the responsible and responsive bidder with the lowest bid in accordance with the Public Contract Code. This work cannot begin until design, permitting, and land acquisition are finished and is therefore 0% complete.

Construction. A pre-construction meeting will be held with the contractor, permitting agencies, and utilities. Approximately 12,700 linear feet of 18-inch-diameter PVC or HDPE pipe will be installed, along with the necessary appurtenances, including air vents and air vacuum release valves, blow offs, and access manholes. Service connections for discharge stations for future desalters will also be provided. SMP 2D will be joined to the existing SMP 2C. Once construction is completed, record drawings will be prepared. Construction work has not begun, and this task is 0% complete.

Environmental Compliance/Mitigation/Enhancement. During construction, Calleguas staff and/or qualified consultants will provide environmental compliance services, including sampling and analysis of hydrostatic test water discharges. This task will be performed during construction and is therefore 0% complete.

Construction Administration. During construction Calleguas staff and/or a qualified consultant will provide construction management and administration. Specific tasks will include daily on-site observations, inspection of pipe materials and fabrication, testing of soils and concrete used in construction, and documentation of construction activities. This task will be performed during construction and is therefore 0% complete.

Deliverables. Notice to proceed issued to the contractor, construction photos, and record drawings.

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PLEASANT VALLEY WELL

Below is a summary of the tasks necessary to complete the Pleasant Valley Well.

Direct Project Administration

Specific tasks related to Direct Project Administration will include Administration, Labor Compliance, and Reporting. Camrosa Water District (Camrosa) will enter into a subcontract with the County of Ventura for grant management but will retain the primary responsibility for overseeing general project administration, invoicing, and reporting for Pleasant Valley Well.

Administration. Camrosa will prepare invoices for the grant. Administration cannot begin until grant award and is therefore currently 0% complete.

Labor Compliance. Camrosa will use a consultant to perform labor compliance in accordance with the requirements of California Labor Code §1771.5(b). Labor compliance will be performed during construction and is therefore currently 0% complete.

Reporting. Camrosa will provide all the documentation necessary for Ventura County to execute a grant agreement with the Department of Water Resources consisting of a detailed work plan, a detailed budget, documentation to support project justification claims, CEQA documentation, and audited financial statements. Camrosa will prepare quarterly progress reports and a final project report describing the project and its outcomes. Several of the Reporting activities (such as preparing a detailed budget and work plan) have been completed, but the majority of the work cannot occur until grant agreement execution. The Reporting task is approximately 5% complete.

Deliverables. Materials needed to execute the grant agreement, quarterly progress reports, final project report, invoices, and documentation of labor compliance (as requested).

Land Purchase/Easement

The Pleasant Valley Well is expected to be located on property owned by the Pleasant Valley Park & Recreation District as Camrosa has entered into an agreement with them to utilize park property the new well. Easement documents will be prepared and executed. This task is approximately 50% complete.

Deliverables. Easement Deed.

Planning/Design/Engineering/Environmental Documentation

Specific tasks related to Planning/Design/Engineering/Environmental Documentation will include Environmental Documentation, Design, Permitting, and Assessment and Evaluation.

Environmental Documentation. Camrosa has preliminarily met with an environmental consultant to review the CEQA requirements for this project and is performing an Initial Study to identify the appropriate CEQA document, which is anticipated to be a Negative Declaration. This task is approximately 5% complete.

Design. A well siting study has been completed for the project. The groundwater hydrogeologist that prepared the well siting study is preparing plans and specifications. Design will be reviewed at specific intervals by Camrosa, Pleasant Valley Parks & Recreation District, and California Department of Public Health (CDPH) and their comments incorporated. This task is currently 25% complete.

Permitting. Based on preliminary design, Camrosa anticipates the project will disturb less than 1 acre, and it will not be necessary to obtain coverage under the *General Permit for*

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Storm Water Discharges Associated with Construction and Land Disturbance Activities.

Camrosa has obtained a well-drilling permit from Fox Canyon Groundwater Management Agency (GMA) through the County of Ventura, and this permit task is therefore 100% complete. This permit will allow Camrosa to drill a new well despite the general prohibition of new well drilling prescribed by Fox Canyon GMA's Emergency Ordinance E. A well drilling permit will also need to be obtained from the County before construction. Camrosa will obtain an amendment to the District's Water Supply Permit from CDPH after construction (as is typical), so that permit is 0% complete. Overall permitting is 50% complete.

Assessment and Evaluation. Prior to grant execution, Camrosa will prepare a Project Performance Monitoring Plan. Following construction, Camrosa will evaluate project performance. This task is approximately 25% complete.

Deliverables. CEQA documentation, final plans and specifications, permits, well siting study, and Project Performance Monitoring Plan.

Construction/Implementation

Specific tasks will include Construction Contracting, Construction, Environmental Compliance/Mitigation/Enhancement, and Construction Administration.

Construction Contracting. The Pleasant Valley Well will be advertised for bidding through standard Camrosa procedures. Camrosa will award the project to the responsible and responsive bidder with the lowest bid in accordance with the Public Contract Code. This work cannot begin until design and land acquisition are complete and is therefore 0% complete.

Construction. Upon mobilization and site preparation, construction activities will include drilling of a new 1,000 gallons per minute well, full enclosure building, masonry block wall, chlorine generation equipment, electrical controls, instrumentation, standby generator and fuel tank, fencing, and landscaping. Well performance testing will be conducted during well development to determine pumping and subsequent production. Water level data will be collected during the variable rate (step) test, constant rate discharge test, and well recovery test periods. Record drawings will be prepared upon construction completion. Construction work has not begun, and this task is 0% complete.

Environmental Compliance/Mitigation/Enhancement. The well will be constructed in a residential area and mitigation will include a sound enclosure, security block wall, and landscaping. These mitigation elements are part of construction, and the task is therefore 0% complete.

Construction Administration. Camrosa staff and/or qualified construction management consultants will provide the necessary inspection and oversight, including on-site inspection, material testing, project coordination, meetings, and verification of overall compliance with the contract plans and specifications. This task will be performed during construction and is therefore 0% complete.

Deliverables. Notice to proceed issued to the contractor, construction photos, and record drawings.

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EL RIO RETROFITS FOR GROUNDWATER RECHARGE

Below is a summary of the tasks necessary to complete the El Rio Retrofits for Groundwater Recharge.

Direct Project Administration

Specific tasks related to Direct Project Administration will include Administration, Labor Compliance, and Reporting. VCWPD will enter into a subcontract with the County of Ventura for grant management but will retain the primary responsibility for overseeing general project administration, invoicing, and reporting for the project.

Administration. VCWPD will prepare invoices for the grant. Administration cannot begin until grant award and is therefore currently 0% complete.

Labor Compliance. VCWPD will perform labor compliance in accordance with the requirements of California Labor Code §1771.5(b). Labor compliance will be performed during construction and therefore is currently 0% complete.

Reporting. VCWPD will provide all the documentation necessary for the County to execute a grant agreement with the Department of Water Resources consisting of a detailed work plan, a detailed budget, documentation to support project justification claims, CEQA documentation, and audited financial statements. VCWPD will prepare quarterly progress reports and a final project report describing the project and its outcomes. Several of the Reporting activities (such as preparing a detailed budget and work plan) have been completed, but the majority of the work cannot occur until grant agreement execution. The Reporting task is approximately 5% complete.

Deliverables. Materials needed to execute the grant agreement, quarterly progress reports, final project report, invoices, and documentation of labor compliance (as requested).

Land Purchase/Easement

No land purchase or right-of-way easement acquisition is required for implementing El Rio Retrofits for Groundwater Recharge. All work will be within County road rights-of-way.

Planning/Design/Engineering/Environmental Documentation

Specific tasks related to Planning/Design/Engineering/Environmental Documentation will include Environmental Documentation, Design, Permitting, and Assessment and Evaluation.

Environmental Documentation. El Rio Retrofits for Groundwater Recharge was determined to be Categorically Exempt under the CEQA Guidelines, §15301: Class 1 Exemption for Existing Facilities and §15302: Class 2 Exemption for Replacement or Reconstruction. A Notice of Exemption will be filed with the Ventura County Clerk. This task is 95% complete.

Design. Site specific infiltration studies needed for design are completed. Plans and specifications are being prepared and have been completed to the 75% level. Final design will require utility surveys and a site survey by the County to determine final Best Management Practice (BMP) footprint, sizes, and quantities. This task is approximately 75% complete.

Permitting. This project will disturb less than 1 acre so it will not be necessary to obtain coverage under the *General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities*. VCWPD will acquire an encroachment permit from the Ventura County Transportation Department. This permit will be applied for once 90% design is complete; therefore, no work has been performed for this task, and it is 0% complete.

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Assessment and Evaluation. Prior to grant execution, VCWPD will prepare a Project Performance Monitoring Plan. A flow monitoring station will be installed at the El Rio location for monitoring runoff from the existing condition over the 2014/2015 season. Baseline water quality characterization will include analyzing relevant water quality constituents in composite samples taken during three dry-weather and four wet-weather events over the 2014/15 season prior to construction. Post-construction performance monitoring will occur over the 2015/16 season and will include flow monitoring to determine runoff volumes and groundwater recharge. Post-construction pollutant loads will be estimated by multiplying volumes with concentrations determined during the 2014/15 season. All project monitoring data will be submitted into the California Environmental Data Exchange Network (CEDEN). A conceptual monitoring program has already been defined. This task is 15% complete.

VCWPD will conduct educational outreach to advertise project results and encourage use of permeable pavements in urban areas to treat runoff while recharging groundwater. The educational component of the project will include presentations at professional and general public meetings as well as distribution of educational outreach materials. This task will occur after construction and is therefore 0% complete.

Deliverables. CEQA documentation, final plans and specifications, encroachment permit, Project Performance Monitoring Plan, summary of flow and water quality data analysis, proof of CEDEN data submission, and educational outreach materials.

Construction/Implementation

Specific tasks will include Construction Contracting, Construction, Environmental Compliance/Mitigation/Enhancement, and Construction Administration.

Construction Contracting. El Rio Retrofits for Groundwater Recharge will be advertised for bidding through standard VCWPD procedures. VCWPD will award the project to the responsible and responsive bidder with the lowest bid in accordance with the Public Contract Code. This work cannot begin until design and permitting are complete and is therefore 0% complete.

Construction. Installation of pervious concrete gutters will include excavation of infiltration trenches, drilling of drywells at the bottom of trenches, and installation of 12" diameter drywell perforated PVC piping, 4" perforated PVC observation well piping and access covers, infiltration trench filter fabrics, and impermeable liners. Once trenches are complete, the contractor will place standard concrete curbs, install dowel fiberglass reinforcement bars, and place pervious concrete gutters, followed by hot mix asphalt patching from the edge of the new gutters to the original sawcut lines. Record drawings will be prepared upon construction completion. Construction has not begun, and this task is 0% complete.

Environmental Compliance/Mitigation/Enhancement. Stormwater pollution prevention measures will be implemented throughout construction. This task will be performed during construction and is therefore 0% complete.

Construction Administration. During construction, County staff and/or a qualified consultant(s) will provide construction management and administration, including site inspections, quality control, testing, shop drawing reviews, contractor coordination, and progress review for payment. This task will be performed during construction and is therefore 0% complete.

Deliverables. Notice to proceed issued to the contractor, construction photos, and record drawings.

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GROUNDWATER REPLENISHMENT AND REUSE PROJECT

Below is a summary of the tasks necessary to complete the Groundwater Replenishment and Reuse Project.

Direct Project Administration

Specific tasks related to Direct Project Administration will include Administration, Labor Compliance, and Reporting. The City of Oxnard (City or Oxnard) will enter into a subcontract with the County of Ventura for grant management but will retain the primary responsibility for overseeing general project administration, invoicing, and reporting for the Groundwater Replenishment and Reuse Project.

Administration. The City of Oxnard will prepare invoices for the grant. Administration cannot begin until grant award and is therefore currently 0% complete.

Labor Compliance. The City of Oxnard will use a consultant to perform labor compliance in accordance with the requirements of California Labor Code §1771.5(b). Labor compliance will be performed during construction and therefore is currently 0% complete.

Reporting. The City of Oxnard will provide all the documentation necessary for the County to execute a grant agreement with the Department of Water Resources consisting of a detailed work plan, a detailed budget, documentation to support project justification claims, CEQA documentation, and audited financial statements. The City of Oxnard will prepare quarterly progress reports and a final project report describing the project and its outcomes. Several of the Reporting activities (such as preparing a detailed budget and work plan) have been completed, but the majority of the work cannot occur until grant agreement execution. The Reporting task is approximately 5% complete.

Deliverables. Materials needed to execute the grant agreement, quarterly progress reports, final project report, invoices, and documentation of labor compliance (as requested).

Land Purchase/Easement

The project will be constructed within City property. No land purchase or easement acquisition is required for implementing this project.

Planning/Design/Engineering/Environmental Documentation

Specific tasks related to Planning/Design/Engineering/Environmental Documentation will include Environmental Documentation, Design, Permitting, and Assessment and Evaluation.

Environmental Documentation. An Environmental Impact Report (EIR) was completed for the Groundwater Recovery Enhancement and Treatment (GREAT) Program in 2004 and included the Groundwater Replenishment and Reuse Project. Oxnard is currently in the process of assessing the need to update the CEQA documentation and anticipates preparing a CEQA Addendum. This task is 75% complete.

Design. A Preliminary Hydrogeological Study for the Groundwater Replenishment and Reuse Project was completed in June 2013, which specifies exact depth, key design features, and exact location of the well. Additionally, groundwater features in this area are well-studied. Design plans and specifications will be prepared based on the 2013 hydrogeological study and other extensive available data. This task is approximately 30% complete.

Permitting. The City of Oxnard issues well permits for wells within the City. Well permits are obtained at the time of construction, and this task is 0% complete. Because the well will

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facilitate groundwater injection (rather than extraction) it is not subject to the Fox Canyon GMA prohibition on new pumping facilities. Oxnard will apply for coverage under the *General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities*. No activity has been performed to obtain coverage under the General Permit (0% complete). The City and its consultants have been working with CDPH and the Regional Water Quality Control Board (RWQCB) for years regarding permitting for injection of full advanced treatment recycled water, which will occur with implementation of this project. In coordination with CDPH and the RWQCB, the City of Oxnard has developed the monitoring protocols to be applied during the testing period. After three months of operating the injection well with potable water, the City of Oxnard will submit monitoring data to acquire the final permits to allow injection of full advanced treatment recycled water. Permitting of the full injection well is approximately 30% complete.

Assessment and Evaluation. Prior to grant execution, Oxnard will prepare a Project Performance Monitoring Plan. Following well construction and operation, the City will monitor groundwater levels and quality in response to well operations. This involves use of monitoring equipment placed in monitoring wells to be constructed as part of this project. Relevant data will be submitted to permitting agencies and shared with DWR and others via the grant reporting process. Assessment and evaluation activities have not yet started and are therefore 0% complete.

Deliverables. CEQA documentation, final plans and specifications, permits, and Project Performance Monitoring Plan.

Construction/Implementation

Specific tasks will include Construction Contracting, Construction, Environmental Compliance/Mitigation/Enhancement, and Construction Administration.

Construction Contracting. The Groundwater Replenishment and Reuse Project will be advertised for bidding through standard Oxnard procedures. Oxnard will award the project to the responsible and responsive bidder with the lowest bid in accordance with the Public Contract Code. This work cannot begin until design and construction-related permitting are complete and is therefore 0% complete.

Construction. Activities under this task will include construction of an aquifer storage and recovery well, installation of piping and valves to connect the well to the existing recycled water line, and construction of three nested monitoring wells under three separate contracts (well drilling, equipping, and recycled water connection). Record drawings will be prepared upon construction completion. Construction has not begun, and this task is 0% complete.

Environmental Compliance/Mitigation/Enhancement. The applicable mitigation measures described in the GREAT Program EIR will be implemented for the project. These include stormwater pollution prevention measures, dust control measures, and noise mitigation measures (e.g., limited construction hours). This task will be performed during construction and is therefore 0% complete.

Construction Administration. During construction, City of Oxnard staff and/or a qualified consultant will provide the necessary inspection and oversight, including on-site inspection, material testing, project coordination, meetings, and verification of overall compliance with the contract plans and specifications. This task will be performed during construction and is therefore 0% complete.

Deliverables. Notice to proceed issued to the contractor, construction photos, and record drawings.

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LAKE CASITAS AERATION

Below is a summary of the tasks necessary to complete Lake Casitas Aeration.

Direct Project Administration

Specific tasks related to Direct Project Administration will include Administration, Labor Compliance, and Reporting. Casitas Municipal Water District (Casitas) will enter into a subcontract with the County of Ventura for grant management but will retain the primary responsibility for overseeing general project administration, invoicing, and reporting.

Administration. Casitas will prepare invoices for the grant. Administration cannot begin until grant award and is therefore currently 0% complete.

Labor Compliance. Casitas will use a consultant to perform labor compliance in accordance with the requirements of California Labor Code §1771.5(b). Labor compliance will be performed during construction and is therefore currently 0% complete.

Reporting. Casitas will provide all the documentation necessary for Ventura County to execute a grant agreement with the Department of Water Resources consisting of a detailed work plan, a detailed budget, documentation to support project justification claims, CEQA documentation, and audited financial statements. Casitas will prepare quarterly progress reports and a final project report describing the project and its outcomes. Several of the Reporting activities (such as preparing a detailed budget and work plan) have been completed, but the majority of the work cannot occur until grant agreement execution. The Reporting task is approximately 5% complete.

Deliverables. Materials needed to execute the grant agreement, quarterly progress reports, final project report, invoices, and documentation of labor compliance (as requested).

Land Purchase/Easement

No land purchase or easement acquisition is necessary for project implementation.

Planning/Design/Engineering/Environmental Documentation

Specific tasks related to Planning/Design/Engineering/Environmental Documentation will include Environmental Documentation, Design, Permitting, and Assessment and Evaluation.

Environmental Documentation. Casitas is in the process of completing Environmental documentation (CEQA). It is anticipated that this project will be Categorically Exempt because it is a minor alteration of an existing facility involving negligible expansion of use beyond what currently exists. This task is approximately 50% complete.

Design. The *Lake Casitas Water Quality Study* was completed in February 2013 due to concern over deterioration of water quality. The study concluded that the existing aeration system was insufficient to address water quality conditions developing with lowering lake levels. As a follow up, the *Feasibility Study of a Hypolimnetic Oxygenation System for Lake Casitas* was subsequently completed in September 2013. The 2013 Feasibility Study provides the major parameters for design (e.g., placement of diffuser, necessary size and air output of diffuser). Pre-design tasks are 100% complete.

The task remaining is preparation of final plans and specifications for the diffuser and oxygen supply facility. Work has started on final design, and this task is approximately 5% complete.

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Permitting. Based on sizing of similar facilities and discussions with potential air facility vendors, Casitas anticipates the project will disturb less than one acre and it will not be necessary to obtain coverage under the *General Permit for Storm Water Discharges Associated with Construction and Land Disturbance*. The project is located on federal property owned by the United States Bureau of Reclamation (Reclamation) and managed by Casitas. Casitas will apply for the MP620 Permit issued for additions or alterations to Reclamation-owned conveyance and distribution facilities. No work (0%) has been performed for this task.

Assessment and Evaluation. Prior to grant execution, Casitas will prepare a Project Performance Monitoring Plan. Water quality data from the ongoing sampling program will be used by Casitas to assess pre- and post-project conditions. These data will be provided to applicable state databases (CEDEN and SWAMP). This task is 40% complete.

Deliverables. CEQA documentation, final plans and specifications, MP620 permit, Project Performance Monitoring Plan, proof of data submittal to CEDEN and SWAMP databases.

Construction/Implementation

Specific tasks will include Construction Contracting, Construction, Environmental Compliance/Mitigation/Enhancement, and Construction Administration.

Construction Contracting. The diffuser and oxygen supply facility will be advertised in two bid packages using standard Casitas procedures. Casitas will award the project elements to the responsible and responsive bidders with the lowest bids in accordance with the Public Contract Code. This work cannot begin until design and permitting are complete and is therefore 0% complete.

Construction. Upon notice to proceed, construction of the diffuser and oxygen supply facility will occur simultaneously. Installation of the oxygen supply facility will consist of site work, including establishing truck access, foundations, fencing and pipe trench; fabrication and installation of an oxygen flow control manifold; installation of cryogenic equipment, including tank and vaporizers; and installation of electrical equipment. The diffuser installation will require shop assembly and on-site installation. Construction work has not begun and this task is 0% complete.

Environmental Compliance/Mitigation/Enhancement. CDPH mitigation measures for the protection of drinking water reservoirs will be in place during project construction. This task will be performed during construction and is therefore 0% complete.

Construction Administration. During construction, Casitas staff and/or a qualified consultant(s) will conduct construction management and administration including necessary inspection and oversight such as on-site inspection, material testing, project coordination, meetings, and verification of overall compliance with the contract plans and specifications. This task will be performed during construction and is therefore 0% complete.

Deliverables. Notices to proceed issued to the contractors, construction photos, and record drawings.

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SAN ANTONIO CREEK ARUNDO REMOVAL

Below is a summary of the tasks necessary for the San Antonio Creek Arundo Removal.

Direct Project Administration

Specific tasks related to Direct Project Administration will include Administration, Labor Compliance, and Reporting. The Ojai Valley Land Conservancy (OVLC) will enter into a subcontract with the County of Ventura for grant management but will retain the primary responsibility for overseeing general project administration, invoicing, and reporting for the San Antonio Creek Arundo Removal.

Administration. OVLC will be the administrative lead and coordinate meetings with contractors and project site landowners, develop and deliver requested information to DWR, and prepare all project invoices. Administration cannot begin until grant award and is therefore currently 0% complete.

Labor Compliance. OVLC will perform all labor compliance in accordance with the requirements of California Labor Code §1771.5(b). This task is currently 0% complete.

Reporting. OVLC will provide all the documentation necessary for Ventura County to execute a grant agreement with the Department of Water Resources consisting of a detailed work plan, a detailed budget, documentation to support project justification claims, CEQA documentation, and audited financial statements. OVLC will prepare quarterly progress reports and a final project report describing the project and its outcomes. Several of the Reporting activities (such as preparing a detailed budget and work plan) have been completed, but the majority of the work cannot occur until grant agreement execution. The Reporting task is approximately 5% complete.

Deliverables. Materials needed to execute the grant agreement, quarterly progress reports, final project report, invoices, and documentation of labor compliance (as requested).

Land Purchase/Easement

Prior to project implementation, access agreements with private landowners will be completed for project access and staging areas on private properties. OVLC has begun negotiating access agreements with landowners throughout the project area. This task is approximately 30% complete.

Deliverables. Agreements with landowners.

Planning/Design/Engineering/Environmental Documentation

Specific tasks related to Planning/Design/Engineering/Environmental Documentation will include Environmental Documentation, Design, Permitting, and Assessment and Evaluation.

Environmental Documentation. CEQA compliance will be completed through the permitting process with the California Department of Fish and Wildlife (CDFW). It is anticipated that a Mitigated Negative Declaration will be prepared. No work (0%) has been performed for this task.

Design. A detailed survey of the locations of arundo infestations has been completed by the Ventura County Watershed Protection District. These data were used to calculate coverage areas and project budgets. A Final Implementation Plan (Plan) will be prepared to prioritize treatment areas and identify the 10 acres that will be revegetated following arundo removal. The Plan will describe the methods to be used and will be the basis of a request for proposals

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(contract documents) for arundo biomass removal and herbicide applications. The Plan will utilize the work done in the *Matilija Dam Giant Reed Removal Plan* (Ventura County Watershed Protection District, 2007); this document identifies effective and appropriate invasive species treatment and removal methods within the Ventura River Watershed. This task is approximately 35% complete.

Permitting. OVLC will acquire a Streambed Alteration Agreement from CDFW. For one small section of the project site, an encroachment permit will be obtained from the Ventura County Watershed Protection District. No work (0%) has been performed for these permits.

Assessment and Evaluation. Monitoring is essential to determine the treatment schedule for arundo removal and is the basis of adaptive management of restoration areas. Monthly site visits will occur to assess the extent of re-sprouts and need for re-treatment. Within the Project Performance and Monitoring Plan, metrics will be established to guide the schedule of arundo re-treatments and assess the success of revegetation efforts. The Project Performance and Monitoring Plan will include a description of monitoring methods, a set of performance standards that will be compared to pre-determined project goals, and remedial action plans to address any areas of concern. Monitoring programs developed for work completed in upstream portions of San Antonio Creek (e.g., *Matilija Dam Giant Reed Removal Plan*) will be used as a reference for this plan. This task is approximately 35% complete.

Deliverables. CEQA documentation, Final Implementation Plan, contract documents, permits, Project Performance Monitoring Plan, and annual monitoring reports.

Construction/Implementation

Specific tasks will include Construction Contracting, Construction, Environmental Compliance/Mitigation/Enhancement, and Construction Administration.

Construction Contracting. OVLC will receive project bids, select contractors, and let contracts. Contracting for biomass removal and herbicide applications associated with the project will be based on the Final Implementation Plan. This work cannot begin until design and permitting are complete and is therefore 0% complete.

Construction. Upon site preparation, construction will occur in two phases. Under Phase 1, arundo biomass will be removed using hand loppers or a mechanical masticator along with herbicide treatment depending on the size of the plant and density of area infestation. Methodical monitoring and up to four re-treatments will occur to ensure arundo control over 16 acres. Subsequently, under Phase 2, approximately 10 acres of the project area where arundo removal has occurred will be revegetated with native riparian vegetation. Construction work has not begun, and this task is 0% complete.

Environmental Compliance/Mitigation/Enhancement. OVLC will document and report site conditions as necessary to confirm compliance with permit requirements. Consultation will occur with the U.S. Fish and Wildlife Service on best practices to reduce potential impacts to listed bird species potentially in the project area; any recommended mitigation measures will be implemented. No work (0%) has been performed for this task.

Construction Administration. OVLC will perform construction administration and management such as cost tracking, processing invoices, making payments, and addressing potential contract amendments. Field inspections will occur regularly to ensure contracted work is progressing on schedule and according to the contract documents. No work (0%) has been performed for this task.

Deliverables. Notice to proceed issued to the contractor, pre- and post removal photos.