

■ The purpose of the funding request is to implement two Project components described in Attachment A (Project Description) and in the attached Matilija Dam Ecosystem Restoration Feasibility Study EIS/EIR (September 2004). Project components to be completed by the grantee include: (1) giant reed removal in the Project area, and (2) well installation at Foster Park. Giant reed removal is a key ecosystem restoration component and well installation will provide a reliable water supply for residents of the City of Ventura.

■ Work to be performed by the Grantee: Giant Reed Removal

1. Project Administration

- a. VCWPD Resources
 - i. Personnel services
 - ii. Supplies
 - iii. Equipment
 - iv. Grant contracting

2. Project Planning

- a. Easements
 - i. Prepare parcel map overlay on existing recent aerial photo base map.
 - ii. Determine access easement cost.
 - iii. Prepare access easement documents for each property owner.
 - iv. Send property owners request for permanent or temporary access easement.
 - v. Send final access easement documents and easement fee to each property owner.
 - vi. Notify Grant Manager, RWQCB 4, and regulatory agencies of access easements.
- b. Project Planning/Design/Engineering/Environmental
 - i. Prepare a Giant Reed Control and Monitoring Plan that describes methods, work areas, monitoring, public outreach, and reporting for the giant reed removal project component. Approximately 140 acres of giant reed will be removed from the approximately 931 acres under this grant application. Other exotic plants to be controlled include scotch broom (*Cytisus scoparius*), tamarisk (*Tamarix* spp.), and pepper (*Schinus* spp.). Site conditions will determine exotic plant control methods. Work areas will be clearly delimited on plans with access routes and notes regarding special circumstances, such as seasonal work restrictions or sensitive species presence. Monitoring will occur before, during and after control activities to minimize impacts to wildlife and property, ensure work conducted meets specifications, and follow-up treatments are effective. Water quality monitoring would be accomplished through current VCWPD annual bioassessment monitoring and Ventura River Stream Team water quality monitoring program. As an assessment tool, bioassessment sampling measures biological response from point-source discharges of pollutants. Data collected will assist VCWPD in evaluation of the Project impacts. Reporting will be scheduled to meet permit and grant administration requirements. Water quality data will be collected and reported in SWAMP compatible format. The Giant Reed Control and Monitoring Plan will include all applicable mitigation measures identified in the EIR/EIS, as well as provisions for adaptive management based on unforeseen circumstances.
 - ii. Prepare preliminary and final plans and specifications for giant reed removal contract bid package. Plans will comprise 1:2400 scale consecutively numbered sheets approximately 22 inches by 42 inches with cover sheet, topography/aerial imagery, parcel data, work limits, access routes, staging areas, notes, details, and other data. Specifications will follow Ventura County standards and describe schedule, bid

procedure, work to be conducted, payment schedule, permits, acceptance of work standards, pollution control, safety, and many other topics.

- iii. Obtain authorization/regulatory permits including Clean Water Act Section 404 RGP 61 and Section 401 Water Quality Certification, CDFG Code Section 1602 of Streambed Alteration Agreement, ESA Section 7 compliance from NMFS and USFWS.
 - iv. Prepare bid documents and conduct formal bid procedure per Ventura County Public Works Agency protocols. Award contract to qualified contractor with lowest bid.
3. Project Implementation
- a. Giant Reed Control
 - i. Mobilization/Demobilization and staging.
 - ii. Implement Giant Reed Control and Monitoring Plan components, including mechanical and/or chemical giant reed removal using appropriate methods. Appropriate methods will be determined by the results of the surveys and in consideration of the presence/absence of nesting birds, T/E species and other special status species, hydrologic conditions at the time of removal operations, and ease of access.
 - iii. Conduct work inspection and monitor treated areas as required in Giant Reed Control and Monitoring Plan.
 - iv. Prepare reports as required to Grant Manager summarizing methodologies used, number of parcels and approximate acreage of giant reed controlled.
- 4 Environmental Compliance
- a. Permitting and CEQA
 - i. Include appropriate mitigation measures from EIS/EIR in the Giant Reed Control and Monitoring Plan construction contract.
 - ii. Implement conditions identified in authorization/regulatory permits obtained per Clean Water Act Section 404 RGP 61 and Section 401 Water Quality Certification, CDFG Code Section 1602 Streambed Alteration Agreement, ESA Section 7 compliance from NMFS and USFWS.
 - iii. Obtain water quality data/conduct sampling and analyze for potential Project impacts/benefits.
 - iv. Conduct compliance monitoring and reporting as required in Giant Reed Control and Monitoring Plan.
- 5 Construction Administration
- a. VCWPD
 - i. Prepare and implement construction contracting, payment processing, and other necessary construction administration by VCWPD personnel.
 - ii. Hire construction contract management consultant via VCWPD protocols.
 - b. Consultant
 - i. Manage day-to-day Project and construction management to ensure the Project is completed in accordance with specifications as well as on schedule and budget.
 - ii. Manage, in close coordination with VCWPD and grantee (as appropriate), implementation of contingency activities.

Giant Reed Removal		
Work Item	Deliverable	Target Date
Obtain easements	List of Easements Secured	December 2006
Prepare Giant Reed Control and Monitoring Plan	Final Plan	August 2006
Obtain Permits	Copies of Permits Secured	December 2006
Preliminary Plans and Specs	Copies of Plans and Specs	September 2006
Final Plans and Specs	Copies of Final Plans and Specs	October 2006
Prepare Bid Package	Copy of Bid Package	October 2006
Select Contractors	List of Contractors	November/December 2006
Monitor/Compliance	Data Collected, Progress Reports	Ongoing, Quarterly
Grant Progress Reporting	Progress Summary Reports	Quarterly
Grant Final Report	Grant Project Completion Report	December 2008

■ Work to be performed by the Grantee: Water Well Installation at Foster Park

1. Project Administration
3. VCWPD Resources
 - a. Personnel services
 - b. Supplies
 - c. Equipment
 - d. Grant contracting
4. Final Design and Engineering Plans
 - a. Prepare final design and engineering plans that will include necessary site-specific modifications to City standard well and control designs, electrical utility service installation and discharge piping connections to existing Foster Park raw water lines.
 - b. Submit design and engineering plans to the Grant Manager and City of Ventura for review and comment. Submit all agreed-upon levels of completion (i.e., 50 percent and 90 percent design) and allow at least three weeks for each review.
 - c. Incorporate comments into the final plans, specifications and related bid documents and bid the Project for construction.
5. Well Construction (Subject to limited contractor flexibility in schedule and implementation detail)
 - a. Secure appropriate permits for construction activities.
 - b. Site work: Clear sites for drilling, pipeline and control system construction; provide appropriate work space, storage, site security and access.
 - c. Well drilling: Drill and install two each, 20-inch casing wells (subject to change per site conditions) to depths appropriate to individual sites (approximately 50 feet) per design including development and testing.
 - d. Wellhead installation (structural, mechanical and control systems): Construct pads, pipe supports, conduits, and related facilities. Provide and install pumps, motors, electrical control and telemetry systems per design.
 - e. Raw water pipeline: Fabricate and install up to 24-inch diameter connecting piping as necessary to deliver water to existing raw water lines per design.
 - f. Provide submittal review, construction inspection and construction engineering support or take lead.
 - g. Conduct photo documentation before, during and after construction in accordance with State Water Resources Control Board guidelines.
6. Final Inspection and Documentation
 - a. Conduct final inspection and acceptance testing of well pump, motor, controls and telemetry.
 - b. Submit the final inspection documentation to the Grant Manager for review and comment.
 - c. Submit “as-built” drawings to the Grant Manager.
 - d. Compile final construction records and documents for the Project and submit to the Grant Manager.

Water Well Installation at Foster Park		
Work Item	Deliverable	Target Date
50 percent design and engineering plans	50 percent design and engineering plans	March 2007
90 percent design and engineering plans	90 percent design and engineering plans	May 2007
Final design and engineering plans	Final design and engineering plans	July 2007
Bid Preparation, approval and advertisement	Prepare plans and specification bid package	August 2007 – October 2007
Select contractor and award contract	List of Contractors selected	November 2007
Construction inspection updates	Progress Summary Reports	December 2007 – April 2008
Final inspection	Final Inspection Report	May 2008
Compile final construction records and documents	Grant Project Completion Report	June 2008