

Work Plan for Fiscal Year 2004

I. Program Title: Refuge Water Supply Long-term Facilities Construction Project – CVPIA Section 3406 (d)(5)

II. Responsible Entities.

	Agency	Staff Name	Role
Lead	BOR	Mona Jefferies-Soniea	Project Manager
Co-Lead	FWS	Dale Garrison	Refuge Water Supply Coordinator

III. Program Objectives for FY 2004

The Refuge Water Supply (RWS) Long-term Facilities Construction Project (Project) is required to meet the mandate of Section 3406(d)(5) of the CVPIA, providing the necessary facilities to convey the increased refuge water supplies from existing Central Valley Project (CVP) or State Water Project (SWP) facilities to the boundary of each refuge. In some cases, conveyance can be provided through wheeling agreements with local water districts with improvements to their facilities. In other cases, new and independent facilities are needed.

The RWS Long-term Facilities Construction Project objective is to provide infrastructure to support delivery of long-term, firm, reliable water deliveries to specific Federal and State wildlife refuges located within the Central Valley hydrologic basin of California. The refuges are Sacramento, Delevan, Colusa, Sutter, Kern and Pixley National Wildlife refuges, and Mendota and Gray Lodge State Wildlife Areas.

In carrying out this mission, Reclamation has identified the appropriate contractual mechanism in which to enter into partnership with water purveyors for facility construction to be long-term RWS Construction Cooperative Agreements (Agreements). These Agreements establish a partnership between Reclamation and district purveyors, articulating terms and conditions of the respective parties to the Agreements, facilitating construction of necessary infrastructure on district lands and/or facilities to secure capacity in existing district facilities. In certain cases construction of isolated facilities is required.

The RWS Conveyance Agreements are companion agreements to this Project and provide a means for compensating cooperating entities for use of existing facilities for conveyance purposes. The RWS Conveyance Agreements are a separate project element embodied in the RWS Program.

This work plan describes specific objectives relative to modifying existing facilities and/or constructing new facilities to provide infrastructure to support refuge water deliveries. As such, general components of the Project for each refuge include:

Project Management

Project management activities include project integration and coordination activities between this project and other elements of the RWS Program. The objective of this activity is to ensure continuity of methodologies and approach towards executing and achieving Program objectives. Interagency coordination activities are included in this element as well as budget formulation, tracking, and management activities. Additional activities included in Project Management are administrative coordination tasks for planning, design, and construction efforts between agencies and water purveyors (water districts).

Planning Activities

Planning activities include alternative identification, evaluation and selection, environmental compliance, compliance with other Federal and State laws, public involvement and outreach, conceptual design development, and formulation of construction cooperative agreements with water districts

Implementation

Administration activities of the RWS Facilities Construction project include support for cooperative agreement negotiations, development and/or administration of detailed design development, permit acquisitions, construction contracts, as appropriate. This task is formulated to include execution of the provisions of the construction cooperative agreements that, on a case-by-case basis, may include construction contract award, facilities construction activities, construction inspection and management, and coordination as appropriate with other agencies regarding permit requirements. Funding Facilities Construction Agreements is included in this task, as appropriate.

IV. Status of the Program.

- ❑ Construction of approximately 127 facilities has been completed in partnership with Glenn-Colusa Irrigation District, securing conveyance capacity for transporting water supplies to Sacramento, Delevan, and Colusa National Wildlife Refuges.
- ❑ Planning and environmental compliance documentation has been developed and shared with the public through a series of on-going public involvement and outreach efforts.
- ❑ Award of a cooperative agreement with Biggs-West Gridley Water District has been completed. This major milestone is a precursor to design, permit acquisition, and construction activities, which when completed, will provide the infrastructure to support conveyance of quantities to water to Gray Lodge Wildlife Area.
- ❑ Award of a cooperative agreement with Buena Vista Water Storage District has been completed. This major milestone is a precursor to design, permit acquisition, and construction activities, which when completed, will provide the infrastructure to support conveyance of quantities to water to Kern NWR.

V. FY 2003 Accomplishments.

- Construction activities for the West Sacramento Valley Study Area of refuges is complete and facilities needed to transport water supplies to Sacramento, Delevan, and Colusa NWRs are operational. All financial commitments between Reclamation and Glenn-Colusa Irrigation District have been fulfilled.

- Environmental commitments for construction of conveyance facilities have been achieved pursuant to the FWS Biological Opinion for East and West Sacramento Valley Study Area, South San Joaquin Valley Study Area and Mendota. A conservation easement was acquired and restored to support giant garter snake habitat to mitigate for habitat lost by construction activities.

- State and Federal environmental compliance activities are complete allowing implementation of the corresponding cooperative agreement with Buena Vista Water Storage District and Biggs-West Gridley Water District.

- Negotiations with Buena Vista Water Storage District are complete, with ensuing design and construction anticipated to occur through FY 05.

- Negotiations with Biggs-West Gridley Water District are complete, with ensuing design and construction anticipated to occur through FY 06.

VI. Tasks, Costs, Schedules and Deliverables.

A. Narrative Explanation of Tasks.

1. Program Management

\$ East Sacramento Valley Study Area (Sutter NWR and Gray Lodge WA)

\$ South San Joaquin Valley Study Area (Kern and Pixley)

\$ Mendota Wildlife Area

2. Planning Activities

- The need to upgrade conveyance facilities is a result of capacity constraints and/or maintenance requirements in existing delivery systems. Each refuge has its own unique set of problems, needs, and opportunities. Some of the refuges need additional water during the fall and winter. Other refuges need better quality water than is currently provided. Most of the refuges currently rely on intermittent water supplies, agricultural return flows, or runoff available only during wet hydrologic periods. In most cases, existing facilities were not designed to convey peak refuge requirements in addition to existing agricultural demands. Some of the water districts that could supply water to the refuges discontinue operations in November to allow for maintenance of the canals. Improvements to existing conveyance facilities could reduce winter maintenance requirements or provide flexibility in operations for maintenance to occur without interrupting service to the refuge(s). Ultimately, conveyance

facilities must be able to support scheduled maximum Level 4 peak flows.

- In order to determine the most economically and environmentally practicable means of providing infrastructure for refuge water supplies a detailed planning process is integral to the project. Because of the time to implement alternatives over the life of this project, planning activities are continuing through implementation of selected alternatives to affirm anticipated conditions during the alternative selection process currently exist. The planning process includes alternatives identification, evaluation, selection, and environmental compliance activities. These activities have been completed for East Sacramento Valley Study Area (Sutter NWR and Gray Lodge WA). The environmental compliance documentation for Mendota is in draft form. Since the initial formulation of the draft environmental document new information and requirements have been identified requiring additional investigation.
- Construction Cooperative Agreement negotiations are required for:
 - Pixley - Initiate negotiations for Facilities Construction Agreement with Delano-Earlimart Irrigation District for Pixley
 - Mendota - Negotiate Facilities Construction Agreement with CCID

3. Implementation

Facilities will be designed using a collaborative process between Reclamation and water districts, as appropriate, pursuant to the terms and conditions of the facilities construction agreement for:

- Kern – Design and construction of facilities
- Gray Lodge – Design and construction of facilities
- Oversight and administration of facilities construction agreements for:
 - Buena Vista Water Storage District for Kern
 - Biggs-West Gridley Water District for Gray Lodge

4. FWS Coordination

FWS is providing technical expertise during all phases of the project to ensure adequate planning and implementation.

B. Schedule and Deliverables.

#	Task	Dates		Deliverable
		Start	Complete	
1	Program Management	10/01/03	09/30/04	Program/Project support and administration of costs for project integration, planning, design, construction, public involvement and outreach, and agreement administration; overall program coordination between agencies, stakeholders and districts.
2	Planning	10/1/03	7/3/04	Environmental document – Mendota
2.1	Mendota	6/30/04	9/30/06	Negotiate Facilities Construction Agreement
2.2	Kern	3/30/03	9/30/03	Negotiate Facilities Construction Agreements
2.3	Gray Lodge	7/30/03	9/30/03	Negotiate Facilities Construction Agreements
3	Construction			
3.1	Kern	9/30/03	9/30/05	Negotiate and implement Construction Agreement (Designs and Specifications, Construction)
3.2	Gray Lodge	9/30/03	9/06	Negotiate and implement Construction Agreement (Designs and Specifications, Construction)
3.3	Mendota*	7/30/09	9/11	Construction Agreement, Construction
3.4	Pixley*	9/04	9/07	Construction Agreement, Construction
3.5	Sutter*	9/07	9/10	Construction Agreement, Construction Reimbursement
4	FWS coordination	On-going	9/12	Participation in developing agreements, coordination with refuge managers on project elements, development of mitigation measures and fulfillment of mitigation responsibilities (BOs, Bas, etc.)

Explanatory Notes:

* Assignment of cost to districts is subject to agreement being reached during negotiations. Reclamation may be responsible for design and construction activities.

D. CVPIA Program Budget.

#	Task	FTE	Direct Salary and Benefits Costs	Contracts Costs	Misc Costs	Administrative Costs	Total Costs
1	Program Management	0.3	\$35,000	\$5	10,000	\$21,700	\$116,700
2	Planning	.2	15,000	30,000		9300	54,300
2.1	Mendota						
2.2	Kern						
2.3	Gray Lodge						
2.4	Pixley	.2	15,000	26,000	10000	9300	60300
3	Implementation						
3.1	Kern	.2	25,000		10000	\$15,500	\$50,500
3.2	Gray Lodge*	1.7	\$240,000	2,100,000		\$148,800	\$2,488,800
3.3	Mendota						
3.4	Pixley*	.2	15,000	1,081,100	10000	9300	\$1,115,300
4	FWS Coordination**	.3	\$40,000		10000	9,000	\$59,000
Total by Category		3.10	\$385,000	\$3,287,100	\$50,000	\$222,900	3,944,900

Explanatory Notes:

* Administration of and funding of cooperative agreement for construction

** Interagency agreement with FWS

VII. Future Years Commitments/Actions.

During and post construction activities will include monitoring of effectiveness of mitigation measures.