

Draft CVPIA Fiscal Year 2012 Annual Work Plan

September 12, 2011

Program Title

Refuge Facilities Construction Program
CVPIA Section 3406(d)(5)

Responsible Entities

Staff Name	Agency	Role
Tim Rust	Reclamation	Lead
Dale Garrison	Service	Co-Lead
Brian Cary	CDFG	State Partner

Program Goals and Objectives for FY 2012

- The objective of the Refuge Facilities Construction Program (RFCP) is to meet the mandate of Section 3406(d)(5) of the CVPIA, providing the necessary infrastructure with sufficient conveyance capacity to support long-term delivery of firm, reliable water supplies to the boundary of specific wetland habitat areas of the National Wildlife Refuge System and State of California Wildlife Areas (collectively referred to as refuges) identified in the Central Valley Project Improvement Act (CVPIA). The need to upgrade conveyance facilities is a result of capacity constraints in existing delivery systems and/or the lack of existing systems.
- The goal of these programs is to have the necessary facilities in place for delivery of full Level 4 water supplies to the CVPIA refuges, meeting their timing and scheduling requirements. A full Level 4 water supply will support optimum wildlife habitat over a broad range of species including targeted Threatened and Endangered species.

Source Documents to CVPIA Refuge Conveyance Program:

- Report on Refuge Water Supply Investigations, Central Valley Hydrologic Basin, California (3/1989)
- Conveyance of Refuge Water Supply Project, East Sacramento Valley Study Area – Final EA/IS and Proposed FONSI/Negative Declaration (12/1997)
- Conveyance of Refuge Water Supply Project, West Sacramento Valley Study Area – Final EA/IS and Proposed FONSI/Negative Declaration (12/1997)
- Conveyance of Refuge Water Supply, South San Joaquin Valley Study Area (Kern and Pixley National Wildlife Refuges) – Final EA/IS (10/2003)
- Refuge Water Supply Conveyance Alternatives Refinement Memorandum (East and West Sacramento Valley) (5/1995)
- Refuge Water Supply Long-Term Water Supply Agreements – Sacramento River Basin – Final EA/IS (1/2001)
- Refuge Water Supply Long-Term Water Supply Agreements – Tulare Lake Basin – Final EA

(1/2001)

- Refuge Water Supply Long-Term Water Supply Agreements, San Joaquin River Basin – Final EA/IS (1/2001)
- Report of Recommended Alternatives – Refuge Water Supply and San Joaquin Basin Action Plan Lands (4/1995)

Status of the Program

The RFCP is one of four components of the Refuge Water Supply Program. The remaining three components are the San Joaquin Basin Action Plan Construction Program, the Refuge Water Conveyance Program, and Refuge Water Acquisition Program. The RFCP is a long-term program covering eight of the CVPIA refuges from the National Wildlife Refuge System and the State of California Wildlife Areas in the Central Valley hydrologic basin of California. Five of these refuges are located in the Sacramento Valley, and the remaining three refuges are in the San Joaquin Valley.

The RFCP identified 26 construction projects and/or major actions necessary to provide needed capacity for the delivery of full Level 4 surface supplies to these refuges. As of FY2011, construction has been completed on 14 of the 26 actions/projects identified in the environmental documents and related design and specification documents. The completed projects resulted in conveyance capacity to accommodate delivery of full Level 4 allocated water supplies to: Sacramento National Wildlife Refuge (NWR) – 50,000 acre-feet (AF); Delevan NWR – 30,000 AF; Colusa NWR – 25,000 AF; and Kern NWR – 25,000 AF. Those refuges still requiring conveyance facilities improvements projects are: Gray Lodge and Mendota Wildlife Areas, and Sutter and Pixley NWRs.

Presently, water conveyance facilities improvements design is occurring at the Biggs West Gridley Water District (BWGWD), which conveys refuge water to Gray Lodge WA. Construction activities at BWGWD are expected to begin this year.

Program management activities include project integration and coordination activities with the associated Refuge Water Conveyance (Wheeling) and Refuge Water Acquisition Programs. 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 are administrative coordination tasks for planning, design, and construction efforts between agencies and water purveyors (water districts). Reclamation Mid-Pacific Construction Office (MPCO) provides administration of design and construction contracts/agreements including construction contract award, facilities construction activities, construction inspection and management, and coordination as appropriate with other agencies regarding permit requirements.

Table 1. FY2012 Activities and Costs

	CVPIA Section: 3406 (d)(5) (const)
	CVPIA Program: Refuge Facilities Construction Program

		2012 Requested Funding					
		State Cash	State In-Kind	Restoration Fund	Water and Related Resources	Other Sources*	Total All Sources
Total Funding		\$0	\$30,590	\$5,957,000	\$0	\$0	\$5,987,590
Reclamation				\$5,913,267	\$0	\$0	\$5,913,267
Service				\$43,733	\$0	\$0	\$43,733
CA DFG		\$0	\$30,590			\$0	\$30,590
CA DWR		\$0	\$0			\$0	\$0
Other		\$0	\$0			\$0	\$0

AWP Activity Number	Type of Activity	# of FTE's	Activity Name & Description	Agency	Staff	NMFS OCAP RPA#	Performance Metric	Performance Target	2012 Requested Funding					
									State Cash	State In-Kind	Restoration Fund	Water and Related Resources	Other Sources*	Total All Sources
1.1	Program Management													
1.1.1		0.08	Lead, Fish and Wildlife RWSP Manager -- Provides Reclamation oversight for all aspects of the Refuge Water Supply RWSP (RWSP). Serves as a primary contact and coordinator; represents the RWSP at various internal and external meetings. Prepares and makes presentations on the RWSP. Provides guidance and oversight to the technical support personnel on contracting, budget, and environmental issues. Has primary responsibility for RWSP long and short-term strategy.	BOR	Tim Rust	-	REFUGE: Planning, Design & Construction to deliver water to 5 Refuges	-	\$0	\$0	\$18,939	\$0	\$0	\$18,939
1.1.2		0.10	Co-Lead, Refuge Coordinator -- Provides Service oversight for all aspects of the RWSP. Serves as a primary contact and coordinator; represents the RWSP at various internal and external meetings. Prepares and makes presentations on the RWSP. Provides guidance and oversight to technical support personnel on contracting, budget, and environmental issues. Has primary responsibility for RWSP long and short-term strategy. (Costs are covered under Refuge Facilities Construction Program.)	FWS	Dale Garrison	-	REFUGE: Planning, Design & Construction to deliver water to 5 Refuges	-	\$0	\$0	\$21,866	\$0	\$0	\$21,866
									Anticipated Funding					
									State Cash	State In-Kind	Restoration Fund	Water and Related Resources	Other Sources*	Total All Sources
Subtotal Funding									\$0	\$0	\$40,805	\$0	\$0	\$40,805
Reclamation											\$18,939	\$0	\$0	\$18,939
Service											\$21,866	\$0	\$0	\$21,866
CA DFG									\$0	\$0			\$0	\$0
CA DWR									\$0	\$0			\$0	\$0
Other*									\$0	\$0			\$0	\$0
* List other funding source here: None														

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Total Funding	\$0	\$30,590	\$5,957,000	\$0	\$0	\$5,987,590
Reclamation			\$5,913,267	\$0	\$0	\$5,913,267
Service			\$43,733	\$0	\$0	\$43,733
CA DFG	\$0	\$30,590			\$0	\$30,590
CA DWR	\$0	\$0			\$0	\$0
Other	\$0	\$0			\$0	\$0

1.2 Program Support													
1.2.1	0.25	Refuge Facilities Construction and San Joaquin Basin Action Plan Lands Construction Project Manager -- Manages, provides oversight, and administers construction projects to provide needed conveyance capacity for CVPIA refuges. Oversees planning and construction of facilities to convey full Level 4 refuge water supplies per CVPIA.	BOR	Nate Sengsamouth	-	REFUGE: Planning, Design & Construction to deliver water to 5 Refuges	-	\$0	\$0	\$55,284	\$0	\$0	\$55,284
1.2.2	0.05	FWS, CVPIA Implementation Division Chief - Provide coordination support for CVPA reporting requirements.	FWS	Cesar Blanco	-		-	\$0	\$0	\$10,933	\$0	\$0	\$10,933
1.2.3	-	CVPIA Program Administration: Program staff hours are inclusive of the time DFG staff commits to the administration and implementation of the Refuge Program under CVPIA. [Statement by State of California (State): "Cost share has not been fully identified at this time. Cost categories identified in the Annual Work Plan for the Refuge Water Supply Program are those which have been identified by the State and agreed to by Bureau of Reclamation Project Managers at this time. Currently, categories are still being developed."] {Reclamation comment: Additional categories that may be submitted by DFG will require review and approval by Reclamation for acceptance as cost share category.}	CDFG	Various Staff	-		-	\$0	\$30,590	\$0	\$0	\$0	\$30,590
							Anticipated Funding						
							Subtotal Funding						
							State Cash	State In-Kind	Restoration Fund	Water and Related Resources	State or Other Sources*	Total All Sources	
							\$0	\$30,590	\$66,217	\$0	\$0	\$96,807	
							Reclamation		\$55,284	\$0	\$0	\$55,284	
							Service		\$10,933	\$0	\$0	\$10,933	
							CA DFG	\$0	\$30,590		\$0	\$30,590	
							CA DWR	\$0	\$0		\$0	\$0	
							Other*	\$0	\$0		\$0	\$0	
* List other funding source here: None													

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	2012 Requested Funding					
	State Cash	State In-Kind	Restoration Fund	Water and Related Resources	Other Sources*	Total All Sources
Total Funding	\$0	\$30,590	\$5,957,000	\$0	\$0	\$5,987,590
Reclamation			\$5,913,267	\$0	\$0	\$5,913,267
Service			\$43,733	\$0	\$0	\$43,733
CA DFG	\$0	\$30,590			\$0	\$30,590
CA DWR	\$0	\$0			\$0	\$0
Other	\$0	\$0			\$0	\$0

1.3 Technical Support													
1.3.1	0.20	Regional Ofc Resources Division - Natural Resources Specialists - develop environmental compliance for Sutter Lift Pump Project, supplementing existing environmental documentation prepared for the Sutter NWR conveyance facilities improvement project.	BOR	Shelly Hatleberg	-	REFUGE: Planning, Design & Construction to deliver water to 5 Refuges	-	\$0	\$0	\$38,170	\$0	\$0	\$38,170
1.3.2	0.06	Regional Ofc Cultural Resources - provide cultural resources support for Sutter Lift Pump Proj	BOR	Adam Nickels	-	REFUGE: Planning, Design & Construction to deliver water to 5 Refuges	-	\$0	\$0	\$10,000	\$0	\$0	\$10,000
1.3.3	0.04	Regional Ofc Acquisitions - Develop acquisition, service, and construction contracts; process contract fund obligations, payments, and modifications.	BOR	Various Acquisition Staff	-	REFUGE: Planning, Design & Construction to deliver water to 5 Refuges	-	\$0	\$0	\$5,000	\$0	\$0	\$5,000
1.3.4	0.05	Contract Administration for FWS-issued Sutter Lift Pump design consultant contract	FWS	Mike Peters	-	REFUGE: Planning, Design & Construction to deliver water to 5 Refuges	-	\$0	\$0	\$10,934	\$0	\$0	\$10,934
Anticipated Funding													
								State Cash	State In-Kind	Restoration Fund	Water and Related Resources	State or Other Sources*	Total All Sources
Subtotal Funding								\$0	\$0	\$64,104	\$0	\$0	\$64,104
Reclamation										\$53,170	\$0	\$0	\$53,170
Service										\$10,934	\$0	\$0	\$10,934
CA DFG								\$0	\$0			\$0	\$0
CA DWR								\$0	\$0			\$0	\$0
Other*								\$0	\$0			\$0	\$0
* List other funding source here: None													

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	2012 Requested Funding					
	State Cash	State In-Kind	Restoration Fund	Water and Related Resources	Other Sources*	Total All Sources
Total Funding	\$0	\$30,590	\$5,957,000	\$0	\$0	\$5,987,590
Reclamation			\$5,913,267	\$0	\$0	\$5,913,267
Service			\$43,733	\$0	\$0	\$43,733
CA DFG	\$0	\$30,590			\$0	\$30,590
CA DWR	\$0	\$0			\$0	\$0
Other	\$0	\$0			\$0	\$0

1.5	Research (Evaluations, Studies, Investigations)											
1.5.1	0.04	Denver TSC - Pixley groundwater recharge investigation - continuation and completion of investigation initiated in FY2011 (service agrmt).	BOR	Bob Talbot	-	REFUGE: Planning, Design & Construction to deliver water to 5 Refuges	\$0	\$0	\$10,000	\$0	\$0	\$10,000

* List other funding source here: None

1.10	Design											
1.10.1	0.10	Regional Ofc Design Division - Coordination and implementation of value engineering study (VE Study) of design developed for Sutter NWR Lift Pump Project. (VE Study team consists of 5 staff.) Project design initiated in last quarter of FY11, to be completed in FY12. VE Study to be performed at approximately 30% design. (FWS will execute a contract for design of the Sutter Lift Pump Project in FY11 with FY11 funds. Final design is expected by 2nd quarter of FY2012. VE study will be coordinated by Reclamation, with participation by FWS and design consultant. Reclamation will provide technical resources to supplement existing environmental documentation - refer to 1.3.1.)	BOR	Steven Lloyd & VE Team	-	REFUGE: Planning, Design & Construction to deliver water to 5 Refuges	\$0	\$0	\$20,000	\$0	\$0	\$20,000
1.10.2	0.10	Regional Ofc Design Division - Coordination and implementation of value engineering study (VE Study) of designs developed for N. Grasslands Water Conservation and Water Quality Control Project. (VE Study team consists of 5 staff.) Project design initiated in last quarter of FY11, to be completed in FY12. VE Study to be done at approximately 30% design.	BOR	Steven Lloyd & VE Team	-	REFUGE: Planning, Design & Construction to deliver water to 5 Refuges	\$0	\$0	\$20,000	\$0	\$0	\$20,000

Anticipated Funding

	State Cash	State In-Kind	Restoration Fund	Water and Related Resources	State or Other Sources*	Total All Sources
Subtotal Funding	\$0	\$0	\$40,000	\$0	\$0	\$40,000
Reclamation			\$40,000	\$0	\$0	\$40,000
Service			\$0	\$0	\$0	\$0
CA DFG	\$0	\$0			\$0	\$0
CA DWR	\$0	\$0			\$0	\$0
Other*	\$0	\$0			\$0	\$0

* List other funding source here: None

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	State Cash	State In-Kind	Restoration Fund	Water and Related Resources	Other Sources*	Total All Sources
Total Funding	\$0	\$30,590	\$5,957,000	\$0	\$0	\$5,987,590
Reclamation			\$5,913,267	\$0	\$0	\$5,913,267
Service			\$43,733	\$0	\$0	\$43,733
CA DFG	\$0	\$30,590			\$0	\$30,590
CA DWR	\$0	\$0			\$0	\$0
Other	\$0	\$0			\$0	\$0

1.11 Construction													
1.11.1	1.25	MPCO - Gray Lodge/Biggs-West Gridley Water District (BWGWD) Facilities construction project - project mgmt (service agrmt). Project manager will work almost full time on the BWGWD project. Construction will initiate in 2012 requiring MPCO contract administrator, field engineering staff, and contract inspector, resulting in FTE of 1.25.	BOR	Sean Hummer & other MPCO staff	-	REFUGE: Planning, Design & Construction to deliver water to 5 Refuges	-	\$0	\$0	\$250,000	\$0	\$0	\$250,000
1.11.2	0.16	MPCO - Gray Lodge/Pixley Wells Construction Project - contract administration and close-out (service agrmt)	BOR	Various MPCO Staff	-	REFUGE: Planning, Design & Construction to deliver water to 5 Refuges	-	\$0	\$0	\$30,000	\$0	\$0	\$30,000
1.11.3	0.08	Denver TSC - Gray Lodge/Pixley Wells Construction Project - contract support (service agrmt)	BOR	Various TSC Staff	-	REFUGE: Planning, Design & Construction to deliver water to 5 Refuges	-	\$0	\$0	\$20,000	\$0	\$0	\$20,000
1.11.4	-	BWGWD Coop Agrmt - Conveyance facilities improvement construction project. Modification to obligate additional funding onto coop agrmt for design and construction. \$2,700,000 will cover 100% of design (conceptual thru final design). \$2,735,874 will be obligated towards construction costs; this amount added to existing construction funding on coop agrmt will bring total obligated construction funding to approximately 76% of current estimated total construction funding needed.	BOR	Sean Hummer	-	REFUGE: Planning, Design & Construction to deliver water to 5 Refuges	-	\$0	\$0	\$5,435,874	\$0	\$0	\$5,435,874
Anticipated Funding													
								State Cash	State In-Kind	Restoration Fund	Water and Related Resources	State or Other Sources*	Total All Sources
Subtotal Funding								\$0	\$0	\$5,735,874	\$0	\$0	\$5,735,874
Reclamation										\$5,735,874	\$0	\$0	\$5,735,874
Service										\$0	\$0	\$0	\$0
CA DFG								\$0	\$0			\$0	\$0
CA DWR								\$0	\$0			\$0	\$0
Other*								\$0	\$0			\$0	\$0

* List other funding source here: None

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Total Funding	\$0	\$30,590	\$5,957,000	\$0	\$0	\$5,987,590
Reclamation			\$5,913,267	\$0	\$0	\$5,913,267
Service			\$43,733	\$0	\$0	\$43,733
CA DFG	\$0	\$30,590			\$0	\$30,590
CA DWR	\$0	\$0			\$0	\$0
Other	\$0	\$0			\$0	\$0

1.16		Unfunded Needs											
1.16.1	-	Sutter Lift Pump Project - Construction contract. FWS will execute a contract for design of the Sutter Lift Pump Project in FY11. Final design is expected by 2nd quarter of FY2012.	BOR	-	-	REFUGE: Planning, Design & Construction to deliver water to 5 Refuges	-	\$0	\$0	\$2,500,000	\$0	\$0	\$2,500,000
1.16.2	0.60	MPCO - Sutter Lift Pump Construction Project - contract administration (service agrmt). Necessary only if a contract is awarded and work initiated in 2012 for the Sutter NWR lift pump project.	BOR	MPCO Various Staff	-	REFUGE: Planning, Design & Construction to deliver water to 5 Refuges	5.0	\$0	\$0	\$111,808	\$0	\$0	\$111,808
Anticipated Funding													
								State Cash	State In-Kind	Restoration Fund	Water and Related Resources	State or Other Sources*	Total All Sources
Subtotal Funding								\$0	\$0	\$2,611,808	\$0	\$0	\$2,611,808
Reclamation										\$2,611,808	\$0	\$0	\$2,611,808
Service										\$0	\$0	\$0	\$0
CA DFG								\$0	\$0			\$0	\$0
CA DWR								\$0	\$0			\$0	\$0
Other*								\$0	\$0			\$0	\$0
* List other funding source here: None													

Table 2. Three-Year Funding Plan FY 2013 – 2015
(\$ amounts in thousands)

FY Year	Description of Activities	Funding Needs				
		RF	W&RR	Other	DFG	DWR
2013	1.1 Program Management	43				
	1.2 Program Support	69				
	1.3 Technical Support	77				
	1.11 Construction	12011				
	Total	12200				
2014	1.1 Program Management	45				
	1.2 Program Support	72				
	1.3 Technical Support	80				
	1.11 Construction	18103				
	Funding are for the conveyance facilities improvement projects at Gray Lodge and Mendota Wildlife Areas, and Sutter and Pixley National Wildlife Refuges. Water conveyance facilities construction activities at Biggs West Gridley Water District (BWGWD), which conveys refuge water to Gray Lodge Wildlife Area, are expected to be substantially complete beyond this fiscal year. Additionally, continuing construction activities are projected for both Sutter and Pixley National Wildlife Refuges.					
Total	18300					
2015	1.1 Program Management	47				
	1.2 Program Support	75				
	1.3 Technical Support	83				
	1.11 Construction	13792				
	Total	14000				