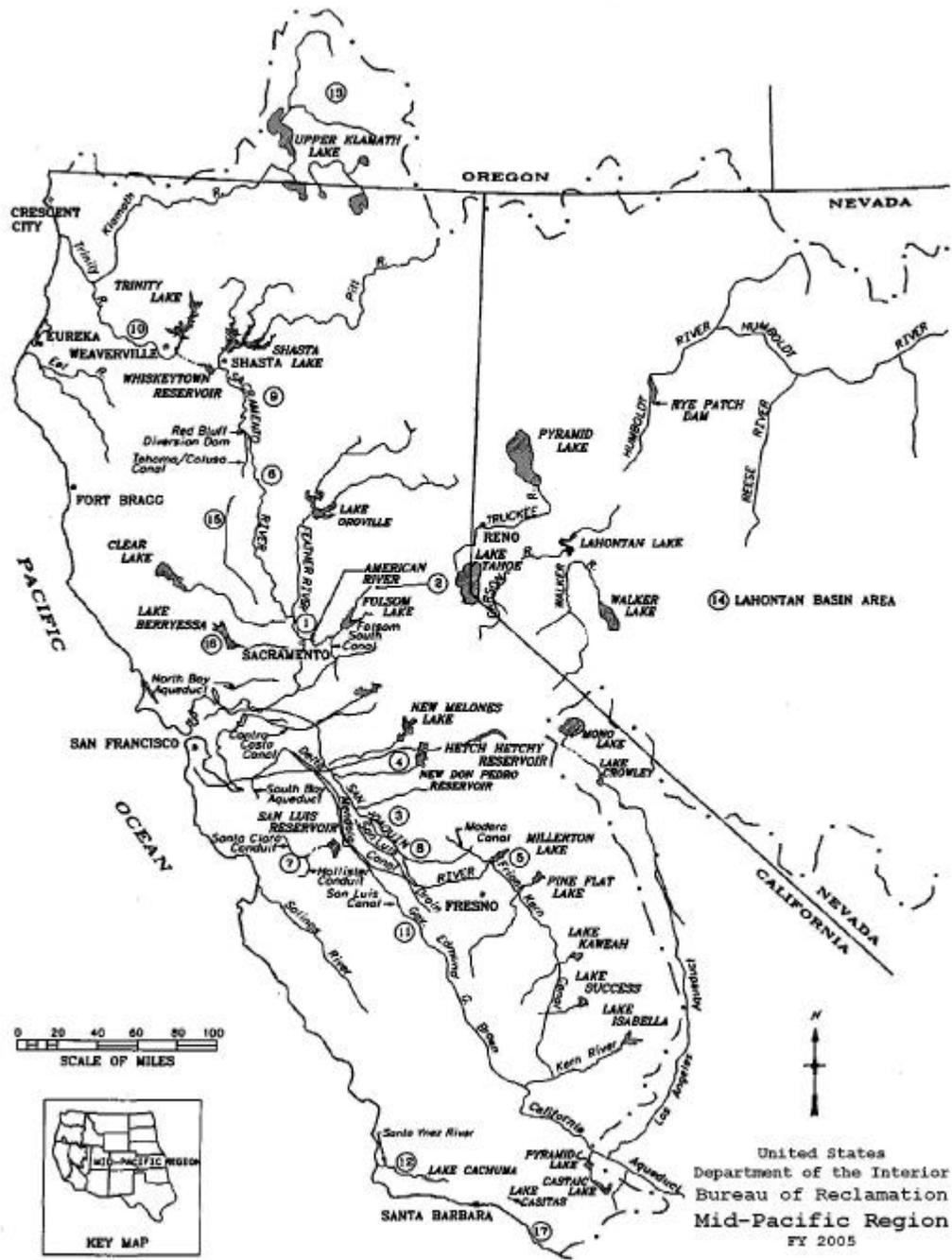


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United States
 Department of the Interior
 Bureau of Reclamation
 Mid-Pacific Region
 FY 2005

**MID-PACIFIC REGION
PROJECTS AND PROGRAMS
MAP KEY**

Central Valley Project:

1. American River Division
2. Auburn-Folsom South Unit
3. Delta Division
4. East Side Division
5. Friant Division
6. Sacramento Division
7. San Felipe Division
8. San Joaquin Division
9. Shasta Division
10. Trinity River Division
11. West San Joaquin Division, San Luis Unit

Other Projects:

12. Cachuma Project
13. Klamath Project
14. Lahontan Basin Project
15. Orland Project
16. Solano Project
17. Ventura River Project

FY 2005 Mid-Pacific Region Budget Summary

(\$ in thousands)

Project	FY 2004		FY 2005							
	FY 2004 Enacted	Enacted w/ UF & ATB 1/	Water & Energy	Land Management	Fish & Wildlife	Facility Operations	Facility Maintenance	FY 2005 Request	Other Fed/ Non-Fed	Total Program
Cachuma Project	1,416	1,322	622	287	30	772	50	1,761		1,761
California Investigations Program	215	193	300					300	300	600
Central Valley Project (CVP):										
American River Division	8,999	8,617	1,134	666	67	7,374	125	9,366	2,968	12,334
Auburn-Folsom South Unit	9,999	8,995	6,397				125	6,522		6,522
Delta Division	18,580	17,151	5,235	350	1,677	6,372		13,634		13,634
East Side Division	3,915	3,702	1,169	366	13	2,230	225	4,003	1,528	5,531
Friant Division	7,675	7,181	966	442	547	3,895	75	5,925		5,925
Miscellaneous Project Programs	22,271	20,098	9,525	1,701	2,098	917	293	14,534		14,534
Replacements, Additions, & Extra. Maint. Prog (RAX)	14,000	13,630					23,200	23,200		23,200
Sacramento River Division	9,473	8,650	1,231	269	1,837	1,539	150	5,026		5,026
San Felipe Division	745	670	379	474	116			969		969
San Joaquin Division	383	344			295			295		295
Shasta Division	8,715	8,366	580	140	390	6,746	425	8,281	6,012	14,293
Trinity River Division	10,586	9,737	501	140	6,000	3,000	100	9,741	2,489	12,230
Water and Power Operations	12,876	12,401	1,900			9,298	426	11,624	1,482	13,106
West San Joaquin Division, San Luis Unit	13,975	13,050	40,899	350	235	7,758	8	49,250		49,250
Yield Feasibility Investigation	1,000	899	500					500		500
Subtotal Central Valley Project	143,192	133,491	70,416	4,898	13,275	49,129	25,152	162,870	14,479	177,349
Endangered Species Recovery Implementations	1,584	1,429			2,135			2,135		2,135
Klamath Project	25,417	23,096	13,551	586	10,054	809		25,000	135	25,135
Lahontan Basin Project	8,913	8,194	3,427	1,538	1,510	1,828	16	8,319		8,319
Lake Tahoe Regional Wetlands Development	4,500	4,044						0		0
Napa Sonoma County Water Reuse	500	449						0		0
Orland Project	486	470	40			372	175	587		587
San Jose Water Reclamation/Reuse - Title XVI	3,000	2,696						0		0
Solano Project	4,215	3,989	374	999	203	1,556	1,121	4,253		4,253
Ventura River Project, Casitas Dam	529	475	12	512				524		524
Watsonville Area Water Recycling	1,500	1,348						0		0
Subtotal, Enacted / Request	\$195,467	\$181,196	\$88,742	\$8,820	\$27,207	\$54,466	\$26,514	\$205,749	\$14,914	\$220,663
Underfinancing	(13,203)									
Rescission (H.R. 2673)	(1,068)									
Total - Water and Related Resources	\$181,196	\$181,196	\$88,742	\$8,820	\$27,207	\$54,466	\$26,514	\$205,749	\$14,914	\$220,663

1/ Reflects FY 2004 project funding after "Underfinancing Reduction for Anticipated Delays" (Underfinancing) and Across-the-Board rescission of 0.59% per H.R. 2673.

**MID-PACIFIC REGION
FY 2005 OVERVIEW**
(\$ in thousands)

FY 2004 Enacted	FY 2004 Enacted w/ UF & ATB ^{1/}	FY 2005 REQUEST FOR WATER AND RELATED RESOURCES					
		Water & Energy	Land Management	Fish & Wildlife	Facility Operations	Facility Maintenance	Total Program
\$195,457	\$181,196	\$88,742	\$8,820	\$27,207	\$54,466	\$26,514	\$205,749

^{1/} Reflects FY 2004 project funding after “Undistributed Reduction for Anticipated Delays” (underfinancing) and Across-the-Board Rescission of -0.59% per H.R. 2673.

The Mid-Pacific Region (Region) includes all the lands drained by rivers flowing into the Pacific Ocean along the coast of California, north of the Tehachapi Mountains (north of Los Angeles), and all the lands drained by the rivers that both begin and end in Nevada. The small area in southern Oregon drained by the Klamath River is also part of the Region. The Region has under its management California’s largest and most well-known water project, the Central Valley Project (CVP). The CVP encounters all the same issues and pressures that characterize the state overall. The CVP delivers more water than any other single agency in California (about 7 million acre-feet in a normal year). With the State’s burgeoning population, renewed emphasis on environmental issues, and unpredictable weather patterns, there are many challenges. In addition to the CVP, the Region manages and operates the Klamath Project and the Lahontan Basin Project, which involve all the major western water issues, particularly Indian trust responsibilities and endangered species protection. The Region strives to develop and implement a balanced approach to resource management, while serving users and protecting environmental conditions.

Reclamation’s Water and Related Resources budget request for the Mid-Pacific Region is \$205,749,000. This funding level is adequate for most continuing operations. Additional funding, a portion of which is related to activities in the Water and Related Resources account, is described under the CVP Restoration Fund (\$54,695,000) and the California Bay-Delta Restoration (\$15,000,000) appropriation tabs.

The **Water and Energy Management and Development** activity request totals \$88.7 million. Included in this request are ongoing efforts in water conservation through the CVP, Miscellaneous Project Programs, and drainage management activities in the West San Joaquin Division, the water supply enhancement activities at Klamath Project and numerous initiatives in the Lahontan Basin Project. Funding includes the final payment of settlement costs of \$34 million for the Sumner Peck Litigation.

The **Land Management and Development** activity request totals \$8.8 million. Funding provides for ongoing efforts associated with management of land and natural resources including hazardous material management, encroachments and outgrants, and land use requests. Also included is management and oversight of recreation areas.

The **Fish and Wildlife Management and Development** activity request totals \$27.2 million. Funds requested provide for numerous ongoing environmental initiatives throughout the Region. Included are mitigation and protection of endangered species at the Tracy Pumping Plant fish passage program at the Red Bluff Diversion Dam, various endangered species conservation efforts, and implementation of

recommendations of the Trinity River Flow Evaluation. Also included are numerous ecosystem restoration activities and Endangered Species Act compliance activities in the Lahontan Basin and Klamath projects.

The **Facility Operations** activity request totals \$54.5 million. Funding continues operations and maintenance of dams, conveyance facilities, fish hatcheries, and associated infrastructure within the CVP, as well as those projects outside the CVP. These ongoing efforts on aging facilities present unique challenges and increase commitment of financial and manpower resources.

The **Facility Maintenance and Rehabilitation** activity request totals \$26.5 million. Funding continues ongoing efforts to reduce items in the CVP, Replacements, Additions, and Extraordinary Maintenance Program. These items of work are accomplished in priority order ensuring that funds are used to resolve the most critical items first. Additional items of non-routine maintenance outside the CVP are included in the individual projects. Necessary Accessibility Improvements are also included in this activity.

Mid-Pacific Region - Performance Goals and Targets

RESOURCE USE							
End Outcome Goal: Deliver Water Consistent with Applicable State and Federal Law, in an Environmentally Responsible and Cost-Efficient Manner.							
End Outcome Measures	2002 Actual	2003 Actual	2004 President's Budget	2004 Final Target	FY 2005 Plan	Change in Performance 2004 to Planned 2005	Long-term Target (2008)
Water Delivery: Acre-feet of water delivered consistent with applicable substantive and procedural requirements of Federal and State water law	6,427,617 af	5,199,934 af	6,827,366 af	6,827,366 af	6,827,366 af	0 af	6,827,366 af/year based on average water year
Reliability: Amount of acre-feet of restricted capacity	--	--	N/A	N/A	N/A		
Percent of water facilities that do not receive Federal or State notices of violation under environmental requirements as defined by Federal and State law	--	--	93% (50/54 facilities)	93% (50/54 facilities)	93% (50/54 facilities)	1	96% (52/54 facilities)
Intermediate Outcome Measures	2002 Actual	2003 Actual	2004 President's Budget	2004 Final Target	FY 2005 Plan	Change in Performance 2004 to Planned 2005	Long-term Target (2008)
Strategy 1: Operate and Maintain Safe and Reliable Water Infrastructure Facilities Reliability: Water infrastructure are in fair to good condition as measured by the Facilities Reliability Rating	--	50 (92.6%)	52 (100% 2 facilities transferred to users)	51 (100% 51/51 facilities. Another facility transferred)	51 (100% an additional facility transferred to users)	(1)*	51

* Reduction due to title transfer of 3 dams (Sly Park, Sugar Pine, and Rye Patch)

<p>Facilities Condition: Facilities (exclusive of FRR facilities) are in fair to good condition as measured by the Facilities Condition Index (FCI)</p>	--	--	N/A	N/A	N/A	N/A	N/A
<p>Strategy 2: Effective Water Management to Optimize Supply</p> <p>Supply Management: Number of agreements, partnerships and management options exercised resulting in improved water supply</p>	--	--	10	10	10	0	50 (cumulatively over the 5 year period)
<p>Strategy 3: Address Environmental/Resource Stewardship Concerns</p> <p>Requirements: Percent of environmental audit findings and reviews addressed (results pertain to both water and hydropower facilities)</p>	--	--	50%	100%	100%	0	100%
<p>Strategy 4: Complete construction projects to increase delivery infrastructure and water availability</p> <p>Increased Supply: Potential acre-feet made available through completion of projects</p>	0	0	0	0	0	0	0
<p>RESOURCE USE</p> <p>End Outcome Goal: Deliver Hydropower Consistent with Applicable State and Federal Law, in an Environmentally Responsible and Cost-Efficient Manner.</p>							

Intermediate Outcome Measures	2002 Actual	2003 Actual	2004 President's Budget	2004 Final Target	FY 2005 Plan	Change in Performance 2004 to Planned 2005	Long-term Target (2008)
Strategy 1: Operate and Maintain Reliable, Safe and Secure Power Facilities Facility condition: Power Facilities are in fair or better condition as measured by the appropriate Facilities Condition Index	--	--	100% (10/10 facilities)	100% (10/10 facilities)	100% (10/10 facilities)	0	100%
RECREATION End Outcome Goal: Provide for a Quality Recreation Experience, including Access and Enjoyment of Natural and Cultural Resources on DOI Managed and Partnered Lands and Waters.							
Intermediate Outcome Measure	2002 Actual	2003 Actual	2004 President's Budget	2004 Final Target	FY 2005 Plan	Change in Performance 2004 to Planned 2005	Long-term Target (2008)
Strategy 1: Improve Capacities to Provide Access for Recreation Universal Access: Percent of universally accessible facilities in relation to the total number of recreation areas	--	9% (5.9/65)	10% (6.5/65)	10% (6.5/65)	25% (16/65)	15%	70% (45.5/65)
Strategy 3: Manage Recreation Activities Seamlessly Enhance Partnerships: Percent of recreation areas with community partnerships	--	--	79% (30/38 facilities)	79% (30/38 facilities)	84% (32/38 facilities)	2	100% (38/38 facilities)

RECREATION							
End Outcome Goal: Fair Value in Recreation.							
Intermediate Outcome Measure	2002 Actual	2003 Actual	2004 President's Budget	2004 Final Target	FY 2005 Plan	Change in Performance 2004 to Planned 2005	Long-term Target (2008)
Strategy 1: Promote Quality Services for Recreation							
Increase Competition: Percent of concession activities with performance based contracts	--	--	0	0	0	0	6*
RESOURCE PROTECTION							
End Outcome Goal: Sustain Desired Biological Communities on DOI Managed and Influenced lands and Waters in a Manner Consistent with Obligations Regarding the Allocation and Use of Water.							
End Outcome Measure	2002 Actual	2003 Actual	2004 President's Budget	2004 Final Target	FY 2005 Plan	Change in Performance 2004 to Planned 2005	Long-term Target (2008)
Percent change from baseline in the number of acres infested with invasive plant species	--	--	91% (3,040 of 3,346 acres)	91% (3,040 of 3,346 acres)	43.5% (770 of 1770 acres)	-47.5%*	98%
RESOURCE PROTECTION							
End Outcome Goal: Protect Cultural and Natural Heritage Resources							
End Outcome Measure	2002 Actual	2003 Actual	2004 President's Budget	2004 Final Target	FY 2005 Plan	Change in Performance 2004 to Planned 2005	Long-term Target (2008)
Percent of collections in DOI inventory in good condition	--	--	0 (0/18 collections)	0 (0/18 collections)	0 (0/18 collections)	0	61%

* Concession agreements are due for renegotiation in FY 2008 through FY 2010 and will be made performance based at that time.

* Baseline changed due to the fact that the emphasis in the Region changes from lakes and ponds to canals. In FY 2005 it is anticipated that the Region will complete 306 acres remaining in rivers, ponds and lakes and have a final eradication of hydrilla within conveyance canals (approximately 464 acres). This is an on-going effort with the State of California.

FY 2005 Projected Accomplishments

End Outcome Goal: Deliver Water Consistent with Applicable State and Federal Law, in an Environmentally Responsible and Cost-Efficient Manner.

In FY 2005, the Region will maintain its fair or better rating on all 40 of its High and Significant Hazard Dams.

The Region will also complete surveys on the remaining 4 Associated Works and will achieve fair or better rating on 13 of the 14 facilities.

End Outcome Goal: Sustain Desired Biological Communities on DOI Managed and Influenced lands and Waters in a Manner Consistent with Obligations Regarding the Allocation and Use of Water.

The Region will complete the eradication of the remaining 306 acres of hydrilla in its lakes and streams and will also eradicate 464 acres of hydrilla in its canal system.

FY 2003 Accomplishments

End Outcome Goal: Deliver Water Consistent with Applicable State and Federal Law, in an Environmentally Responsible and Cost-Efficient Manner.

In FY 2003, the Region completed the Facility Reliability Ratings (FRR) on all of its High and Significant Hazard Dams (40 facilities) as well as the FRRs on 10 of 14 of its Associated Works. All of the facilities except one achieved a rating of fair or better. This accomplishment keeps the Region on-track for achieving the Resource Use End Outcome of Delivering Water in an environmentally and economically efficient manner.

In FY 2003, the MP Region offered 125 assistance actions to state and local entities such as water districts and conservation organizations to educate, demonstrate, and effect water conservation throughout California, Nevada and Oregon. This was nearly twice as many actions as anticipated at the start of the year. These actions are under the Intermediate Strategy of Effectively Managing Water to Optimize Supply.

In FY 2003, the MP Region again actively participated in the Cal-Fed Program even though there was no funding appropriated for the purchase of water for the joint federal-state Environmental Water Account.. The State of California devoted \$36M for the purchase of 240,000 af of water for EWA, while the MP Region provided environmental documentation consultants, Reclamation staff, and energy costs associated with moving EWA water assets. These costs totaled approximately \$2.8M. This program also falls within the purview of the End Outcome goal of Effectively Managing Water to Optimize Supply (UEM 5.02).

The primary business of Reclamation is delivering water in an economically and environmentally effective manner. Pursuant to this goal (UEM 5.01), the MP Region delivered 5,199,934 af of water in FY 2003. While this was slightly less than anticipated, this amount did fulfill all contractual agreements for water delivery.

Cachuma Project

LOCATION: The Cachuma Project is located along the west coast, near Santa Barbara, in southern California.

DESCRIPTION/JUSTIFICATION: The Project facilities consist of five storage dams and reservoirs (Bradbury, Glen Anne, Lauro, Ortega, and Carpinteria), two tunnels (Tecolote and Sheffield) totaling 7.5 miles, 24.3 miles of conduit, and various distribution systems. Bradbury Dam and Reservoir are operated and maintained by Reclamation. Operation and maintenance of all other project facilities are performed by the water users. The project provides supplemental irrigation water to approximately 38,000 acres and a supply of municipal water to the City of Santa Barbara and other urban areas located in Santa Barbara County on the southern slope of the Santa Ynez Mountains. Project facilities also are operated to provide recreation benefits.

AUTHORIZATION: P.L. 76-260, Reclamation Project Act of 1939, August 4, 1939 (approved by the Secretary of the Interior on March 4, 1948); P.L. 95-578, the Reclamation Safety of Dams Act, November 2, 1978; as amended by P.L. 98-404, the Reclamation Safety of Dams Act Amendments of 1984, August 28, 1984.

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004	FY 2005
Water and Energy Management and Development	\$545,496	\$622,000
Land Management and Development	181,677	287,000
Fish and Wildlife Management and Development	43,454	30,000
Facility Operations	482,167	772,000
Facility Maintenance and Rehabilitation	208,585	50,000
Total Program	\$1,461,379	\$1,761,000
Prior Year Funds	(45,379)	0
Enacted/Request	\$1,416,000	\$1,761,000
Underfinancing	(86,000)	0
Rescission (H.R. 2673)	(8,000)	0
Total Reclamation Allotment	\$1,322,000	\$1,761,000

WORK PROPOSED FOR FY 2005:

Water and Energy Management and Development - Continues the Water Conservation Field Services Program, which includes water conservation plans, technical assistance, demonstration projects, grants, cooperative agreements, partnerships, and irrigation efficiency improvements. Continues the administration and monitoring of the National Environmental Policy Act process as it pertains to the project, in adherence to the all federally mandated requirements. Continues the administration and negotiation of water services contract renewals and water marketing activities. **\$622,000**

Land Management and Development - Continues day-to-day land management activities, complying with and administering laws and regulations, provide on-site assessment, review, and oversight. Continues hazardous materials activities, which may include waste removal and cleanups. Increase results from land resource management activities previously funded under Land Resources Management Program, now being funded in the Cachuma Project. **287,000**

Fish and Wildlife Management and Development - Continues environmental monitoring of the effect pest management activities have on, in or around project facilities in compliance with Federal and State environmental laws and regulations. **30,000**

Facility Operations - Continues day-to-day operation of Bradbury Dam to ensure continued delivery of water for irrigation, municipal and industrial use through tunnels, canals, pumping plants and pipelines, as well as water releases for water rights downstream. Increase is due to removal costs for the temporary flexible intake system, which will increase the release capacity and prevent accumulation of sedimentation in the outlet works. **772,000**

Facility Maintenance and Rehabilitation - Continues facility modifications to meet Federal accessibility standards. **50,000**

Reclamation Request **\$1,761,000**

SEE APPENDIX FOR: Obligation by Function for Operating Projects

California Investigations Program

LOCATION: The portion of California north of the Tehachapi Mountains in the Mid-Pacific Region. The location includes Congressional Districts 1 through 23 and 25.

DESCRIPTION/JUSTIFICATION: The objective of this ongoing program is to improve water management in California.

Future management of water resources in California often requires solutions developed from a geographical perspective or watershed basins. California's water resource problems are different depending upon the geographic location. The program issues are driven by the listing of endangered species, the San Francisco Bay-Delta Estuary requirements, water quality concerns, land subsidence, salt water intrusion, and increasing urbanization and population growth. It is critical to develop a mechanism that is predicated upon cooperation with Federal, State, and local interests to improve water management practices in California.

AUTHORIZATION: The Reclamation Act of 1902, June 17, 1902; P. L. 102-575, Title XVI and Title XXXIV, Central Valley Project Improvement Act of 1992, October 30, 1992. (CVPIA).

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004	FY 2005
Water and Energy Management and Development	\$434,469	\$600,000
Total Program	\$434,469	\$600,000
Prior Year Funds	(4,469)	0
Non-Federal	(215,000)	(300,000)
Enacted/Request	\$215,000	\$300,000
Underfinancing	(21,000)	0
Rescission (H.R. 2673)	(1,000)	0
Total Reclamation Allotment	\$193,000	\$300,000

COST-SHARING: Cost-sharing for each activity under the California Investigations Program will be determined on individual merits and will be consistent with Reclamation's policy.

WORK PROPOSED FOR FY 2005:

Water and Energy Management and Development -

California Water Issues - California Water Issues activity provides a source for initial evaluations of water management options. The water management options may be related to the Central Valley Project or other water needs in the Northern and Central areas of California. The current investigations are:

Friant Division Land-Atmosphere-Water Simulator (LAWS) - Continues to develop a LAWS in the Friant Division. The LAWS is a geospatially referenced, land use based hydrologic model. The fundamental objective of LAWS is to simulate water demand based on the consumptive use of water resources associated with various types of land use. These types of land use include agricultural, urban, and native vegetation classifications. Simulations of water use can be performed for historical time series, current conditions, or future forecasts. An equally important objective of LAWS is to provide a measure of the predictive reliability of water use demands in each of the simulation modes. For model conceptualization, the LAWS model represents these coupled processes in four component models.

These models simulate the atmospheric, vegetative, vadose zone, and irrigation management components of the coupled hydrologic system. For each of these component models, geospatial referencing is maintained through a Geographic Information System database of model inputs and results.

The development of LAWS is planned to occur in three phases. The scheduling of these phases is flexible and could be performed on a simultaneous basis. The primary differences between the model development phases are the simulation period and the methods used for simulation of the hydrologic processes in each of the four component models. The Phase 1 LAWS model development is focused on providing historical results. This information is intended for use in the calibration of planning models that require historical estimates of consumptive use, aquifer recharge, and ground water extraction. Phase 2 focuses on providing current consumptive use information. This kind of information is important to daily water supply management operations. Phase 3 is intended to forecast consumptive use demands and quantify the reliability of the forecasts for both short and long-term water management operations.

	\$320,000
Non-Federal	<u>(160,000)</u>
	160,000

State of California Bulletin 160 - Continues coordination with State of California, to update the State Water Plan (Bulletin 160). The State of California updates Bulletin 160 every 5 years and Reclamation provides data on the Central Valley Project and provides technical assistance and review as the next update is assembled.

	30,000
Non-Federal	<u>(15,000)</u>
	15,000

State of California Water Desalinization Task Force - Continues coordination with State of California's task force on desalinization issues and participation in cost-shared pilot projects and studies to further develop and implement desalinization of seawater and other brackish water in California

	250,000
Non-Federal	<u>(125,000)</u>
	125,000

Subtotal, Water and Energy Management and Development		<u>\$300,000</u>
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Reclamation Request		\$300,000
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**CVP, American River Division
Folsom Dam Unit / Mormon Island (Safety of Dams)**

LOCATION: The American River Division (Division) is located in the east-central part of the Sacramento-San Joaquin Valley in El Dorado, Placer, Sacramento, and San Joaquin Counties, California.

DESCRIPTION/JUSTIFICATION: This Division consists of Folsom Dam and Folsom Lake, constructed by the U.S. Army Corps of Engineers and transferred to Reclamation in 1956, with a height of 340 feet, a crest length of 1,400 feet, and a capacity of 977,000 acre-feet is flanked by long earthfill wing dams extending from the end of the concrete section on both abutments; Folsom Powerplant, with a capacity of 212,220 kilowatts, located at the foot of Folsom Dam on the north side of the River; Mormon Island Auxiliary Dam is one component of the Folsom Dam and Lake facilities; Nimbus Fish Hatchery, built by Reclamation and operated by the State of California with funds advanced yearly by Reclamation, is located about 0.3 mile below Nimbus Dam on the American River 7 miles below Folsom Dam; Nimbus Powerplant, with two generators and a capacity of 7,763 kilowatts each; El Dorado Distribution System, built by Reclamation and operated by the El Dorado Irrigation District, is located in western El Dorado County and includes water treatment facilities and a distribution system for irrigation and municipal purposes; Sly Park Dam, an earthfill structure 190 feet high and a crest length of 760 feet, with an auxiliary earthfill dam 130 feet high and a crest length of 600 feet; Jenkinson Lake, with a storage capacity of 41,000 acre-feet; Camp Creek Diversion Dam, a concrete structure 20 feet high and a crest length of 119 feet; Camino Conduit, with a capacity of 125 cubic feet per second; and other appurtenant works. The Water Resources Development Act of 1999 (P.L. 106-53) authorized the Corps of Engineers to modify Folsom Dam including adding and enlarging existing outlet works. The Secretary of the Army shall coordinate with the Secretary of the Interior with respect to the design and construction of modifications at Folsom Dam.

AUTHORIZATION: P.L. 79-732, August 14, 1946, Fish and Wildlife Coordination Act; P.L. 81-356, American River Basin Development, October 14, 1949; P.L. 102-377, FY 1993 Energy and Water Development Appropriation Act, Section 201, October 2, 1992; P.L. 102-575, Central Valley Project Improvement Act of 1992, Title XXXIV, October 30, 1992; and P.L. 105-295, October 27, 1998, Authorization to construct Folsom Dam temperature control devices. P.L. 108-137, Section 219, December 1, 2003, amends P.L. 105-295, Section 1(b) and 1(c), October 27, 1998, Authorization to construct Folsom Dam temperature control devices. P.L. 106-377 authorized title transfer of the Sly Park Unit to El Dorado Irrigation District.

COMPLETION DATA:

Folsom Dam, Mormon Island Auxiliary Dam Repairs - As of September 30, 2003, the Folsom Dam, Mormon Island project Phases I and II are 100 percent complete. The Safety of Dams modification report was approved during FY 1992, as three phases with the start of Phase III dependent on evaluating results from Phases I and II. Based on this evaluation, it has been determined that additional work is needed on the upstream foundation at Mormon Island; however, a completion schedule has not yet been developed.

SUMMARIZED FINANCIAL DATA**Program Financial Data**

Activity	FY 2004	FY 2005
Water and Energy Management and Development	\$1,313,236	\$1,134,000
Land Management and Development	615,948	666,000
Fish and Wildlife Management and Development	337,282	67,000
Facility Operations	11,346,160	10,342,000
Facility Maintenance and Rehabilitation	102,603	125,000
Total Program	\$13,715,229	\$12,334,000
Prior Year Funds	(304,229)	0
Non-Federal	(4,412,000)	(2,968,000)
Enacted/Request	\$8,999,000	\$9,366,000
Underfinancing	(334,000)	0
Rescission (H.R. 2673)	(48,000)	0
Total Reclamation Allotment	\$8,617,000	\$9,366,000

Total Construction Costs to be Allocated

	Total Estimated Cost	Total to 9/30/03	FY 2004	FY 2005	Balance to Complete
<u>Reclamation</u>					
- Folsom Dam Unit	\$206,044,460	\$168,468,191	\$293,282	\$0	\$37,282,987
<u>Adjustments</u> ^{1/}					
- Folsom Dam Unit	60,320	(58,923)	119,243	0	0
<u>Total</u>					
- Folsom Dam Unit	\$206,104,780	\$168,409,268	\$412,525	\$0	\$37,282,987

^{1/} Includes Federal net property transfers of \$60,320. FY 2004 includes undelivered orders.

Construction Cost Allocation and Methodology

Allocation	FY 2004	FY 2005
Irrigation - Folsom Dam Unit	\$121,680,000	\$122,545,000
Power - Folsom Dam Unit	33,687,000	34,297,000
Municipal & Industrial Water - Folsom Dam Unit	18,348,000	18,544,000
Recreation - Folsom Dam Unit	200,000	200,000
Flood Control - Folsom Dam Unit	8,221,000	8,296,000
Navigation - Folsom Dam Unit	592,000	597,000
Safety of Dams – Folsom Dam Unit ^{1/}	21,737,000	21,626,000
Total - Folsom Dam Unit ^{2/}	\$204,465,000	\$206,105,000

^{1/} \$21,626,000 for safety of dams program activities at the Folsom Dam, Mormon Island Auxiliary Dam; under Reclamation Safety of Dams Act of 1978, November 2, 1978 (P.L. 95-578), as amended by P.L. 98-404, Reclamation Safety of Dams Act Amendments of 1984, August 28, 1984.

^{2/} Rounding adjustment of \$220 made for allocation purposes.

METHODOLOGY: The operational and financial integration provision of the Central Valley Project authorization requires that cost allocation, rate setting, and repayment studies be performed for the total project rather than individual divisions and units. In response to congressional requests for information on individual divisions and units, pro rata shares of the cost allocation for the total authorized project are shown for the individual divisions and units. Thus, the pro rata share of the project cost allocation shown for this division will change each time there is a change in the total estimated cost of the authorized Central Valley Project.

Increase of \$1,640,000 includes \$1,640,345 for higher contract cost for the Folsom Dam Intake Temperature Control Device; offset by a decrease of \$345 for minor adjustments.

APPROPRIATION CEILING: Not applicable.

WORK PROPOSED FOR FY 2005:

Water and Energy Management and Development -

Administration and Compliance - Continues administration of water rights and water marketing activities such as administering water contracts, agreements, developing standards, National Environmental Policy Act compliance, water service contract renewals, and water resources management plans. Decrease is due to the water and power replacement costs required by the contract with Reclamation and Sacramento Area Flood Control Agency were transferred to the Central Valley Project, Water and Power Operations. \$843,000

Conservation/Special Programs - Continues environmental monitoring, water conservation activities, energy conservation planning, state law coordination and compliance. 291,000

Subtotal, Water and Energy Management and Development **\$1,134,000**

Land Management and Development - Continues management and oversight of the recreation areas at Folsom. Continues hazardous material management program. Increase is due to monitoring concession activities more closely to meet concession goals set by the Commissioner. **666,000**

Fish and Wildlife Management and Development - Continues Endangered Species Act (ESA) compliance. Increase reflects an increased emphasis on ESA compliance. **67,000**

Facility Operations -

Water/Power Operations - Continues day-to-day operation, preventive maintenance and efficient resource management of the Folsom and Nimbus dams, reservoirs, powerplants, switchyards, pumping plant, and recreation facilities. Central Valley Project Preference Power Customers are funding Folsom and Nimbus powerplants and switchyards in FY 2005. 7,845,000
Central Valley Project Power Customers (Non-Federal) (2,968,000)
4,877,000

Fish and Wildlife Facilities - Continues ongoing support of the Nimbus Fish Protection Facility and Hatchery, operational support for public information and outreach programs, and operational support of the Nimbus Fish Hatchery Interpretative Facility, which consists of displays and interpretative specialists, educational material, enhanced viewing facilities, and guided tours of the hatchery. Increase is due to hatchery expenses related to the lower American River Monitoring Program. 2,497,000

Subtotal, Facility Operations **7,374,000**

Facility Maintenance and Rehabilitation - Continues facility modifications to meet Federal accessibility standards. Increase is to allow Reclamation to meet Accessibility Corrective Maintenance goals. **125,000**

Reclamation Request **\$9,366,000**

SEE APPENDIX FOR: Benefit Cost Ratios as of October 1, 2004
Land Certification
Obligations by Function for Operating Projects
Project Repayment FY 2005
Status of NEPA Compliance
Status of Water Service and Repayment Contracts
Summary of Irrigation Investment

CVP, Auburn-Folsom South Unit

LOCATION: The Auburn-Folsom South Unit (Unit) is located in the east-central part of the Sacramento-San Joaquin Valley in El Dorado, Placer, Sacramento, and San Joaquin Counties, California.

DESCRIPTION/JUSTIFICATION: This Unit consists of the authorized, but unconstructed Auburn Dam, Reservoir, and Powerplant; the Folsom South Canal, a proposed 68.8-mile long canal (26.7 miles have been completed) with an anticipated capacity of 3,500 cubic feet per second, originating at Nimbus Dam on the American River which would extend southward through San Joaquin County and terminate 20 miles southeast of the City of Stockton; Sugar Pine Dam and Reservoir, an earth and rockfill structure 197 feet high with a crest length of 680 feet and a reservoir capacity of 6,950 acre-feet; and County Line Dam and Reservoir, a proposed earthfill structure 90 feet high and 585 feet long with a capacity of 40,000 acre-feet would develop water and power supplies for delivery to users located in the unit service area and elsewhere in the project service area when complete. The unit would provide full irrigation service to 28,300 acres, supplemental irrigation service to 416,050 acres, and 332,000 acre-feet annually for municipal and industrial use. Benefits would also accrue to fish and wildlife, recreation, and water quality. The power installation at Auburn would have an initial capacity of 300,000 kilowatts, consisting of two units of 150,000 kilowatts each, with provisions for ultimate development of the hydroelectric capacity, now estimated to consist of an additional two units of 150,000 kilowatts each. The installation of the ultimate capacity would require additional authorization.

AUTHORIZATION: P.L. 89-161, Auburn-Folsom South Unit, Central Valley Project, September 2, 1965. P.L. 106-566 authorized title transfer of the Foresthill Divide subunit to Foresthill Public Utility District.

COMPLETION DATA: Water is available from the first 27 miles of the Folsom South Canal. In addition, Sugar Pine Dam and Foresthill conveyance system have been completed. Construction of Auburn Dam has been indefinitely deferred. As of September 30, 2003, the Auburn-Folsom South Unit was 27 percent complete.

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004	FY 2005
Water and Energy Management and Development	\$9,964,288	\$6,397,000
Land Management and Development	1,024	0
Facility Maintenance and Rehabilitation	100,569	125,000
Total Program	\$10,065,881	\$6,522,000
Prior Year Funds	(66,881)	0
Enacted/Request	\$9,999,000	\$6,522,000
Underfinancing	(951,000)	0
Rescission (H.R. 2673)	(53,000)	0
Total Reclamation Allotment	\$8,995,000	\$6,522,000

Total Construction Costs to be Allocated

	Total Estimated Cost	Total to 9/30/03	FY 2004	FY 2005	Balance to Complete
Reclamation	\$2,892,939,965	\$390,657,670	\$9,114,881	\$6,522,000	\$2,486,645,414
Adjustments ^{1/}	2,583,508	(7,069,099)	9,625,320	0	27,287
Total	\$2,895,523,473	\$383,588,571	\$18,740,201	\$6,522,000	\$2,486,672,701

^{1/} Includes contributions from the Sacramento Metropolitan Water Authority to meet the non-Federal cost-sharing requirement for the feasibility-level planning report/environmental impact statement on alternative multipurpose plans for water and power development in the American River Basin and Federal net property transfers. FY 2004 includes undelivered orders.

Construction Cost Allocation and Methodology

Allocation	FY 2004	FY 2005
Irrigation	\$1,681,349,000	\$1,731,156,000
Power	465,485,000	484,496,000
Municipal and Industrial Water	253,523,000	261,957,000
Recreation	23,900,000	23,900,000
Fish and Wildlife	238,814,000	265,964,000
Flood Control	113,593,000	117,190,000
Navigation	8,175,000	8,435,000
Deferred Use	2,425,000	2,425,000
Total ^{1/}	\$2,787,264,000	\$2,895,523,000

^{1/} Rounding adjustment of (\$473) made for allocation purposes.

METHODOLOGY: The operational and financial integration provision of the Central Valley Project authorization requires that the cost allocation, rate setting, and repayment studies be performed for the total project rather than for individual divisions and units. In response to congressional requests for information on individual divisions and units, pro rata shares of the cost allocation for the total authorized project are shown for the individual divisions and units. Thus, the pro rata share of the project cost allocation shown for this unit will change each time there is a change in the total estimated cost of the authorized Central Valley Project.

The net increase in the total cost to be allocated of \$108,259,000 includes an increase of \$103,355,583 for indexing to October 2004 projected prices, \$3,190,000 for State funding for River Restoration, \$1,678,917 for contract costs for Placer County Water Agency permanent pumps, \$440,000 for Placer County Water Agency temporary pumps, \$10,000 for accessibility reviews, \$4,000 for non-contract costs of Endangered Species Act and \$1,024 for Land Management; offset by a decrease of \$420,000 for reevaluation of costs for handicap accessibility improvements and repairs and \$524 for rounding.

APPROPRIATION CEILING: Appropriations authorized are \$1,893,039,000 (October 2004). The comparable Federal obligation is \$2,892,939,965, which exceeds the appropriation ceiling by more than the amount of contingencies included in the obligation. Appropriate congressional committees will be advised of the ceiling status for this project. Legislation to provide additional appropriation ceiling would be needed to complete the project as authorized. Current commitments will be held within the existing ceiling.

WORK PROPOSED FOR FY 2005:

Water and Energy Management and Development -

Auburn Restoration/Placer County Water Agency (PCWA) Pumps - Continues the partial restoring of the Auburn Dam site by replacing PCWA's pumps with a permanent facility, temporarily closing the Auburn Dam diversion tunnel, restoring the American River to its original channel, restoring riparian vegetation along the channel, and to allow recreational boating through the construction site. Decrease in funds reflects the construction schedule of Phase 2 of the Permanent PCWA Pumping Plant.

\$4,000,000

Utilization/Development/Implementation - Continues management contracts for land, grounds and buildings for Auburn-Folsom South Unit.

1,855,000

Placer County Water Agency (PCWA) Temporary Pumping Plant - Continues to re-install temporary pumping plant and pipeline to provide water supply to PCWA from the American River in the early spring and remove/store the pipe and equipment in the late fall. Increase and continuation of requirement is due to the current Permanent PCWA Pumping Plant construction schedule.

440,000

Administration and Compliance - Continues National Environmental Policy Act compliance, Endangered Species Act compliance, hazardous materials management program, accessibility reviews, realty actions, etc.

71,000

Conservation/Special Programs - Continues energy conservation planning. 31,000

Subtotal, Water and Energy Management and Development **\$6,397,000**

Facility Maintenance and Rehabilitation - Continues facility modifications to meet Federal accessibility standards. Increase is to allow Reclamation to meet Accessibility Corrective Maintenance goals. **125,000**

Reclamation Request **\$6,522,000**

SEE APPENDIX FOR: Benefit Cost Ratios as of October 1, 2004
Land Certification
Obligations by Function for Operating Projects
Project Repayment FY 2005
Status of NEPA Compliance
Status of Water Service and Repayment Contracts
Summary of Irrigation Investment

CVP, Delta Division

LOCATION: The Delta Division (Division) is located in Alameda, Contra Costa, Fresno, Merced, Sacramento, San Joaquin, Solano, and Stanislaus Counties in central California.

DESCRIPTION/JUSTIFICATION: This Division includes the Delta Cross Channel, an earth section channel designed to divert approximately 3,500 cubic feet per second; Contra Costa Canal, 47.7 miles long with an initial diversion capacity of 350 cubic feet per second; Tracy Pumping Plant, consisting of an inlet channel, pumping plant, discharge pipes, and six pumping units each at 900 cubic feet per second and each with a rating of 22,500 horsepower; the Delta-Mendota Canal, 115.7 miles long with a diversion capacity of 4,600 cubic feet per second; the Tracy Fish Collecting Facility, located at the head of the Tracy Pumping Plant; and 21 salinity sites located throughout the Delta, all constructed by Reclamation. The Division provides full irrigation service to 45,648 acres, supplemental irrigation service to 181,582 acres and 100,104 acre-feet annually for municipal and industrial use in the Division service area.

The Division provides delivery of water and power supplies developed in the American River, Shasta, and Trinity River Divisions to the areas served by the Delta Division, San Luis Unit, and San Felipe Division. This Division also provides fish and wildlife, flood control, navigation, recreation, and water quality benefits.

AUTHORIZATION: Emergency Relief Appropriation Act of 1935, April 8, 1935. The project was authorized by a finding of feasibility by the Secretary of the Interior, and approved by the President on December 2, 1935; P.L. 75-392, Rivers and Harbors Act of 1937, August 26, 1937; P.L. 76-868, Rivers and Harbors Act of 1940, October 17, 1940; P.L. 99-546, Coordinated Operations Agreement, Suisun Marsh Preservation Agreement and Small Reclamation Projects Act of 1986, October 27, 1986; and P.L. 102-575, Title XXXIV, Central Valley Project Improvement Act of 1992, October 30, 1992 (CVPIA).

COMPLETION DATA: Completed and operational major features include: Tracy Pumping Plant and Switchyard, Delta Cross Channel, Delta-Mendota Canal, and the Contra Costa Canal System.

As of September 30, 2003, the Delta Division was 60 percent complete. The change in percent completed is due, in part, to a more current outyear estimate for the Tracy Fish Test Facility. A more detailed explanation of these changes is described in the methodology section.

SUMMARIZED FINANCIAL DATA**Program Financial Data**

Activity	FY 2004	FY 2005
Water and Energy Management and Development	\$9,942,988	\$5,235,000
Land Management and Development	285,916	350,000
Fish and Wildlife Management and Development	2,315,215	1,677,000
Facility Operations	5,941,000	6,372,000
Facility Maintenance and Rehabilitation	100,000	0
Total Program	\$18,585,119	\$13,634,000
Prior Year Funds	(5,119)	0
Enacted/Request	\$18,580,000	\$13,634,000
Underfinancing	(1,327,000)	0
Rescission (H.R. 2673)	(102,000)	0
Total Reclamation Allotment	\$17,151,000	\$13,634,000

Total Construction Costs to be Allocated

	Total Estimated Cost	Total to 9/30/03	FY 2004	FY 2005	Balance to Complete
Reclamation	\$347,798,010	\$254,866,186	\$8,350,515	\$5,287,000	\$79,294,309
Adjustments ^{1/}	179,148,475	1,011,989	51,665,841	73,729,442	52,741,203
Total	\$526,946,485	\$255,878,175	\$60,016,356	\$79,016,442	\$132,035,512

^{1/} Includes \$150,813,000 for California Bay-Delta Restoration funds (\$144,950,000 is proposed outyear funding) of which \$1,950,000 is for the Tracy Fish Facility Improvement program and \$148,863,000 is for the new Tracy Fish Test Facility (TFTF); \$23,600,000 for State of California proposed funding for the TFTF; \$2,500,000 which was paid to the State of California to operate and maintain Suisun Marsh. Actual cost on the construction schedule reflects this payment for an accurate accounting of payments. Includes FY 1998 State of California Proposition 204 (CVPIA prior cost-share funds for Red Bluff and Shasta TCD; and the Master Screen Agreement), partial distribution applied as follows \$1,054,536 to Tracy Fish Facility Improvement Program and \$1,587,370 to Contra Costa Fish Screen at Rock Slough. Includes \$1,786,049 for State of California General Funds (CVPIA) prior cost-share funds) for Tracy Fish Facility Improvement Program. Also includes \$12,199 for transfers, credits and other expenditures. FY 2004 and FY 2005 include California Bay-Delta Restoration funds. FY 2004 includes -\$2,204,679 for undelivered orders.

Construction Cost Allocation and Methodology

Allocation	FY 2004	FY 2005
Irrigation	\$120,406,000	\$119,990,000
Power	33,334,000	33,581,000
Municipal and Industrial Water	18,155,000	18,157,000
Recreation	205,000	205,000
Fish and Wildlife	364,528,000	346,306,000
Flood Control	8,135,000	8,123,000
Navigation	585,000	585,000
Total ^{1/}	\$545,348,000	\$526,947,000

^{1/} Rounding adjustment of \$485 made for allocation purposes.

METHODOLOGY: The operational and financial integration provision of the Central Valley Project (CVP) authorization requires that cost allocation, rate setting, and repayment studies be performed for the total project rather than individual divisions and units. In response to congressional requests for information on individual divisions and units, pro rata shares of the cost allocation for the total authorized project are shown for the individual divisions and units. Thus, the pro rata share of the project cost allocation shown for this division will change each time there is a change in the total estimated cost of the authorized CVP.

Decrease of \$18,401,000 includes \$23,107,756 due to more current outyear estimate for the Tracy Fish Test Facility; \$272,307 because the contingency requirements were slightly less than anticipated for Contra Costa Water District fish screen project; \$180,738 for revised outyear estimates for Reclamation’s technical support and coordination efforts with the State of California’s Department of Water Resources for the Suisun Marsh Preservation program; and \$74,838 because the contingency requirements were slightly less than anticipated for the South Delta Barrier Program; offset by an increase of \$3,749,645 for reestablishment of the work schedule and level of participation by Reclamation which had been reduced because of previous funding reductions for the Interagency Ecological Program; \$1,483,420 for oversight costs for Bay-Delta activities; \$1,030 due to funding available for research and technology activities for Delta Division; and \$544 for minor adjustments.

APPROPRIATION CEILING: Not applicable for the Division, except for Suisun Marsh Preservation. Appropriations authorized in P.L. 99-546, October 17, 1986, for Suisun Marsh Preservation are \$62,545,000 (October 2004). The comparable Federal obligation is \$31,543,918, which does not exceed the ceiling limitation.

WORK PROPOSED FOR FY 2005:

Water and Energy Management and Development -

Interagency Ecological Program (IEP) Delta Support - Continues to support the IEP for the Sacramento-San Joaquin estuary for physical, chemical, and biological monitoring which is required as a condition of the joint Federal-State water export permit and studies under the Endangered Species Act of 1973 and to resolve Bay-Delta water issues. \$3,000,000

Suisun Marsh Preservation - Continues Federal participation with the State of California to operate water barrier control facilities and identify structural and non-structural actions for protection and preservation of Suisun Marsh to improve water quality, while preserving the storage yield of the CVP.

1,212,000

Miscellaneous Activities - Continues to provide for water resource management, development, and utilization of water supplies, administration and negotiation for the renewal of long-term water service contracts, compliance with and administration of laws, regulations, agreements, contracts, and other arrangements related to the allocation, use and distribution of water and water conservation activities, and the water quality monitoring stations in the Delta to meet the California State Water Resources Control Board's water quality control plan. 1,023,000

Subtotal, Water and Energy Management and Development **\$5,235,000**

Land Management and Development - Continues day-to-day land management activities, complying with and administering laws and regulations, execution of agreements, contracts, outgrants or other agreements, for the use and management of lands and the protection of recreation facilities and land resources. **350,000**

Fish and Wildlife Management and Development -

Tracy Pumping Plant Mitigation Program - Continues identifying and making physical improvements and operational changes assessing fishery conditions, and monitoring salvage operations at the Tracy Fish Collecting Facility per agreements with California Department of Fish and Game. The FY 2005 increase is due to adding the Tracy Pumping Plant Mitigation Program. This program was omitted in FY 2004 because funding was to be provided by other sources. In previous years, this program has been a part of the Delta Division. 650,000

Water Service Contract Renewals (Biological Opinion) - Continues the implementation of the Biological Opinion activities to assure Reclamation's compliance with a number of consultations with Fish and Wildlife Service under Section 7 of the Endangered Species Act of 1973, which includes the long-term water service contract renewals located within the Delta Division. 500,000

Contra Costa Fish Screen Program (Rock Slough) - Continues to mitigate fishery impacts associated with the Contra Costa Pumping Plant located at Rock Slough in the central California delta. 225,000

Delta Barriers - Continues coordination activities with California Department of Water Resources on environmental and legal issues, barrier design, and construction. 200,000

Contra Costa/Environmental Monitoring - Continues monitoring pest management activities on, in, or around the Delta-Mendota Canal for compliance with Federal and State environmental laws and regulations. Continues monitoring efforts for endangered species at the intake to the Contra Costa Canal as directed by the Delta Smelt, Winter-Run Chinook Salmon, and Los Vaqueros Biological Opinions. 102,000

Subtotal, Fish and Wildlife Management and Development **1,677,000**

Facility Operations -

Tracy Fish Collecting Facility - Continues operation and preventive maintenance of the Tracy Fish Collecting Facility and associated fish release sites that screen, collect, and return fish (including threatened and endangered species) to the Delta out of the sphere of influence of the Tracy Pumping Plant and into the Delta-Mendota Canal. The increase is due to a significant increase in other services related to necessary rehabilitation and replacement of aged and deteriorated buildings and structures located at the Tracy Fish Collecting Facility. 5,400,000

Miscellaneous Operation and Maintenance Activities - Continues day-to-day operation of the Delta Cross Channel and the water quality monitoring stations to meet water quality standards in the Delta, prevent flooding on the east side on the Delta, protect migrating fish in the Delta; support the aquatic weed research and eradication programs; monitor and report on ground levels. 972,000

Subtotal, Facility Operations **6,372,000**

Reclamation Request **\$13,634,000**

SEE APPENDIX FOR: Benefit Cost Ratios as of October 1, 2004
Land Certification
Obligations by Function for Operating Projects
Project Repayment FY 2005
Status of NEPA Compliance
Status of Water Service and Repayment Contracts
Summary of Irrigation Investment

CVP, East Side Division

LOCATION: The East Side Division (Division) is located in Alpine, Calaveras, San Joaquin, Stanislaus, and Tuolumne Counties, California.

DESCRIPTION/JUSTIFICATION: This Division includes New Melones Dam, Lake, and Powerplant located on the Stanislaus River. New Melones Dam is an earth and rockfill structure, 625 feet above streambed and has a crest length of 1,560 feet. New Melones Lake has a capacity of 2.4 million acre-feet, a water surface area of 12,500 acres, and contains 100 miles of shoreline. The 2-unit powerplant has an installed capacity of 300 megawatts and produces approximately 455 million kilowatt-hours of energy annually. The multipurpose functions of this project include flood control, irrigation, municipal and industrial water supply, power generation, fishery enhancement, water quality improvement, and recreation. Irrigation and storage facilities have been developed on the Stanislaus River both upstream and downstream of New Melones Dam.

AUTHORIZATION: Emergency Relief Appropriation Act of 1935, April 8, 1935. The project was authorized by a finding of feasibility by the Secretary of the Interior, and approved by the President on December 2, 1935; P.L. 75-392, Rivers and Harbors Act of 1937, August 26, 1937; P.L. 76-868, Rivers and Harbors Act of 1940, October 17, 1940; P.L. 78-534, Flood Control Act, December 22, 1944; P.L. 87-874, Rivers and Harbors Act of 1962, Flood Control Act of 1962, October 23, 1962; P.L. 99-546, Coordinated Operations Agreement, Suisun Marsh Preservation Agreement, and Small Reclamation Projects Act of 1986; October 27, 1986; and P.L. 102-575, Title XXXIV, Central Valley Project Improvement Act of 1992, October 30, 1992.

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004	FY 2005
Water and Energy Management and Development	\$1,101,396	\$1,169,000
Land Management and Development	352,525	366,000
Fish and Wildlife Management and Development	12,426	13,000
Facility Operations	3,650,323	3,758,000
Facility Maintenance and Rehabilitation	2,350,960	225,000
Total Program	\$7,467,630	\$5,531,000
Prior Year Funds	(2,630)	0
Non-Federal	(3,550,000)	(1,528,000)
Enacted/Request	\$3,915,000	\$4,003,000
Underfinancing	(191,000)	0
Rescission (H.R. 2673)	(22,000)	0
Total Reclamation Allotment	\$3,702,000	\$4,003,000

WORK PROPOSED FOR FY 2005:

Water and Energy Management and Development -

Conservation, Administration and Compliance - Continues administration of water rights and water marketing activities, water conservation activities and National Environmental Policy Act compliance.

\$249,000

Stanislaus River Temperature Management Investigation - Continues study to assess the most feasible and cost effective structural and non-structural changes to New Melones Reservoir and related facilities to better meet downstream temperature objectives for federally listed species of anadromous fish. Increase is due to substantial reductions made in FY 2004. These funds will allow this program to continue on schedule. Previously, this activity was titled New Melones Temperature Management Investigation.
150,000

New Melones Temperature Control Device Feasibility Study - Continues study to examine options to enhance the survivability of anadromous fish species through management of water temperature in the Stanislaus River. Previously, this activity was titled Stanislaus River Temperature Management Study. This activity was scheduled for completion in FY 2004, but due to additional requirement needs this activity is continuing.
100,000

Tri-Dams Management - Continues funding to the Tri-Dams Authority to operate and manage their system to allow delivery of water.
82,000

Energy Resources Management - Continues electrical engineering studies of the New Melones Powerplant and energy conservation planning which includes semi-annual and annual reports to document energy usage and descriptions of the energy and water saving projects that are being implemented.
68,000

New Melones Adaptive Operations Guidelines - Continues the update of the adaptive operations guidelines for New Melones facilities to reflect new regulations, guidelines, court decisions and endangered species listings.
520,000

Subtotal, Water and Energy Management and Development **\$1,169,000**

Land Management and Development - Continues management and concession oversight of the recreation area at New Melones. Continues compliance to hazardous material handling and clean-up as required by Federal and state laws, technical support of maintenance and development of project lands, realty actions, trespass recreation fee assessments, and structures inventory. **366,000**

Fish and Wildlife Management and Development - Continues Endangered Species Act compliance. **13,000**

Facility Operations -

Land and Recreation Facilities - Continues operational support for the visitor center. Continues vegetation management, operation of public use areas, implementation of a prescribed fire plan in order to protect and enhance resource values, eliminate fire hazards and to insure public health and safety of the visiting public.
1,940,000

Power and Water Operations - Continues ongoing infrastructure support, preventive maintenance, service contract renewals and effective and efficient resource management of the New Melones Dam, Reservoir, and Powerplant. Central Valley Project Preference Power Customers are funding New Melones Powerplant in FY 2005.
1,818,000
Central Valley Project Power Customers (Non-Federal) (1,528,000)
290,000

Subtotal, Facility Operations **2,230,000**

Facility Maintenance and Rehabilitation -

Accessibility Corrective Maintenance - Continues facility modifications to meet Federal accessibility standards. Decrease is due to implementation schedule. 125,000

Life Safety Program - Completes corrective actions for Life Safety Code deficiencies. 100,000

Subtotal, Facility Maintenance and Rehabilitation **225,000**

Reclamation Request **\$4,003,000**

SEE APPENDIX FOR: Land Certification
Obligations by Function for Operating Projects
Status of Water Service and Repayment Contracts

CVP, Friant Division

LOCATION: The Friant Division (Division) is located in Fresno, Kern, Madera, Merced, and Tulare counties, California.

DESCRIPTION/JUSTIFICATION: The main features of this Division are Friant Dam, a concrete gravity structure 319 feet high with a crest length of 3,488 feet that regulates the San Joaquin River; Millerton Lake, with a capacity of 520,500 acre-feet; the 151 mile-long Friant-Kern Canal, with an initial capacity of 4,000 cubic feet per second; and the Madera Canal, a 36 mile-long canal with an initial capacity of 1,000 cubic feet per second. Related facilities include local water distribution systems constructed by Reclamation, the Mendota Pool, and the Columbia-Mowry Pumping Plants. The Division provides storage for irrigation and transportation of surplus Northern California water through the southern part of the semi-arid Central Valley. Other benefits include flood control, groundwater recharge, fish and wildlife mitigation, recreation, and municipal and industrial benefits.

AUTHORIZATION: Emergency Relief Appropriation Act of 1935, April 8, 1935. The project was authorized by a finding of feasibility by the Secretary of the Interior, and approved by the President on December 2, 1935, for construction by Reclamation; P.L. 75-392, Rivers and Harbors Act of 1937, August 26, 1937; P.L. 76-868, Rivers and Harbors Act of 1940, October 17, 1940; P.L. 99-546, Coordinated Operations Agreement, Suisun Marsh Preservation Agreement, and Small Reclamation Projects Act of 1986; October 28, 1986; and P.L. 102-575, Title XXXIV, Central Valley Project Improvement Act of 1992, October 30, 1992.

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004	FY 2005
Water and Energy Management and Development	\$2,553,545	\$966,000
Land Management and Development	647,244	442,000
Fish and Wildlife Management and Development	696,706	547,000
Facility Operations	3,534,838	3,895,000
Facility Maintenance and Rehabilitation	283,346	75,000
Total Program	\$7,715,679	\$5,925,000
Prior Year Funds	(40,679)	0
Enacted/Request	\$7,675,000	\$5,925,000
Underfinancing	(451,000)	0
Rescission (H.R. 2673)	(43,000)	0
Total Reclamation Allotment	\$7,181,000	\$5,925,000

WORK PROPOSED FOR FY 2005:

Water and Energy Management and Development -

Miscellaneous Activities - Continues the administration and negotiation of water service contract renewals and related activities for environmental compliance, water marketing, water conservation, groundwater monitoring and reports. \$661,000

National Environmental Protection Act (NEPA) Compliance Activities - Continues the administration and monitoring of the NEPA process as it pertains to the Division, in adherence with all-federally mandated requirements. 305,000

Subtotal, Water and Energy Management and Development **\$966,000**

Land Management and Development - Continues the oversight to the public and non-public land-use requests, review of current and proposed uses of land associated with the Friant-Kern and Madera canals, Millerton Reservoir and other division land activities. **442,000**

Fish and Wildlife Management and Development -

Endangered Species Act (ESA) Compliance - Continues environmental impact statement and biological opinion activities to assure Reclamation's compliance with a number of consultations with Fish and Wildlife Service under Section 7 of the ESA which includes interim and long-term water service contracts, continued operation and maintenance of Reclamation facilities and other site specific Federal actions throughout Fresno, Kern, Madera and Tulare counties, California. 500,000

Environmental Monitoring - Continues environmental monitoring, which includes pest management activities, on, in, or around the Friant Dam and Friant-Kern and Madera canals in compliance with Federal and State environmental laws and regulations. 47,000

Subtotal, Fish and Wildlife Management and Development **547,000**

Facility Operations -

Friant Dam, Millerton Lake and San Joaquin River Operations - Continues the day-to-day operation and maintenance (O&M) for Friant Dam, the outlet works for Madera and Friant-Kern canals, and San Joaquin River and associated O&M facilities for the distribution of project water. Continues the San Joaquin River operation, which supplies water for an irrigation and domestic purpose to certain lands along the San Joaquin River. 2,757,000

Water Operations - Continues to provide technical engineering service and consultation for design and specifications for modifying, replacing, or repairing features for the operations of Friant Dam, Millerton Lake, San Joaquin River and the Columbia-Mowry Pumping/Delivery System. Continues the operation of the Columbia-Mowry System and flood control within the San Joaquin Valley. Continues the hydrilla detection and eradication program and the aquatic weed research program within the Division. 577,000

Deficiencies in Cost Recovery for Authorities - Continues Reclamation's obligation to assure cost for the operation, maintenance and replacement of the conveyance and conveyance pumping facilities on the Friant-Kern Canal are reimbursed to the Friant Water Users Authority (Authority) in accordance with Service Contract between the Authority and Reclamation. 561,000

Subtotal, Facility Operations **3,895,000**

Facility Maintenance and Rehabilitation - Continues facility modifications to meet Federal accessibility standards. Decrease is due to implementation schedule.

75,000

Reclamation Request **\$5,925,000**

SEE APPENDIX FOR: Land Certification
Obligations by Function for Operating Projects
Status of NEPA Compliance
Status of Water Service and Repayment Contracts

CVP, Miscellaneous Project Programs

LOCATION: The Miscellaneous Project Programs (Programs) encompasses the entire Central Valley of California for those activities not reported under a separate division. The boundary extends from the Cascade Range in the north to the plains along the Kern River in the south.

DESCRIPTION/JUSTIFICATION: As an integrated part of the Central Valley Project, these programs deliver water and power supplies developed by the American River Division to users located in the areas served by the American River, Delta, and San Felipe Divisions and the San Luis Unit, and deliver water supplies developed by the Friant Division to users located in the Friant Division service area. The Programs provide supplemental irrigation service to 1,012,620 acres and 344,730 acre-feet annually for municipal and industrial use in the areas served by the American River and Friant Divisions, and generate 212,220 kilowatts of hydropower, and provide fish and wildlife and flood control benefits.

Program purposes include fish and wildlife, flood control, highway improvement, navigation, power, water conservation, and water quality. This program also includes the administration and coordination of activities that have a scope that extends beyond only one or two divisions or units of the Central Valley Project, activities that involve setting project-wide policy and special emphasis activities that have project-wide implications.

AUTHORIZATION: Emergency Relief Appropriation Act of 1935, April 8, 1935. The Central Valley Project was authorized by a finding of feasibility by the Secretary of the Interior, and approved by the President on December 2, 1935; P.L. 75-392, Rivers and Harbors Act of 1937, August 26, 1937; P.L. 76-868, Rivers and Harbors Act of 1940, October 17, 1940; P.L. 81-356, American River Division Authorization Act, October 14, 1949; P.L. 87-874, River and Harbors Act of 1962 (Flood Control Act), October 23, 1962; P.L. 91-502, Black Butte Integration Act, October 23, 1970; P.L. 94-423, Reclamation Authorization Act of 1976, September 28, 1976; P.L. 99-546, Coordinated Operations Agreement, Suisun Marsh Preservation Agreement, and Small Reclamation Projects Act of 1986, October 27, 1986; and P.L. 102-575, Title XXXIV, Central Valley Project Improvement Act of 1992, October 30, 1992 (CVPIA).

COMPLETION DATA: Major features that are completed and operational include Friant Dam and Reservoir, Friant-Kern Canal, Madera Canal, and Friant-Kern and Madera Distribution Systems.

As of September 30, 2003, the Miscellaneous Project Programs is 74 percent complete, which is a 1 percent increase from the FY 2004 Budget Justifications due, primarily, to progress in the fish screen program, the anadromous fish restoration program, and the refuge wheeling program.

SUMMARIZED FINANCIAL DATA**Program Financial Data**

Activity	FY 2004		FY 2005	
	Restoration Fund	Water & Related Resources	Restoration Fund	Water & Related Resources
Water and Energy Management and Development	\$0	\$14,439,579	\$0	\$9,525,000
Land Management and Development	0	1,643,101	0	1,701,000
Fish and Wildlife Management and Development	29,048,900	5,160,904	34,329,000	2,098,000
Facility Operations	0	808,205	0	917,000
Facility Maintenance and Rehabilitation	0	279,000	0	293,000
Total Program	\$29,048,900	\$22,330,789	\$34,329,000	\$14,534,000
Prior Year Funds	(808,900)	(59,789)	0	0
Enacted/Request	\$28,240,000	\$22,271,000	\$34,329,000	\$14,534,000
Underfinancing	0	(2,054,000)	0	0
Rescission (H.R. 2673)	0	(119,000)	0	0
Total Reclamation Allotment	\$28,240,000	\$20,098,000	\$34,329,000	\$14,534,000

1/ The rescission for the Restoration Program was assigned to the San Joaquin Division, CVP.

Total Construction Costs to be Allocated

	Total Estimated Cost	Total to 9/30/03	FY 2004	FY 2005	Balance to Complete
Reclamation	\$827,853,000	\$463,276,066	\$33,697,300	\$35,185,000	\$295,694,634
Adjustments ^{1/}	51,362,000	9,201,519	38,374,846	0	3,785,635
Total ^{2/}	\$879,215,000	\$472,477,585	\$72,072,146	\$35,185,000	\$299,480,269

^{1/} Includes contributions of \$5,000 from Big Valley Irrigation District, \$2,500 from Modoc County, \$2,500 from Lassen County towards the cost of preconstruction investigations for the Allen Camp Unit, Pit River Division; \$15,704,046 for Federal net property transfers; and \$35,647,954 for cost-share funds from the State of California for various CVPIA programs. FY 2004 includes undelivered orders.

^{2/} Includes Restoration Funds of \$28,240,000 in FY 2004 and \$34,329,000 in FY 2005.

Construction Cost Allocation and Methodology

Allocation	FY 2004	FY 2005
Irrigation	\$187,456,000	\$191,049,000
Power	51,897,000	53,469,000
Municipal and Industrial Water	28,266,000	28,909,000
Recreation	54,000	54,000
Fish and Wildlife	561,443,000	591,870,000
Flood Control	12,665,000	12,933,000
Navigation	910,000	931,000
Total	\$842,691,000	\$879,215,000

METHODOLOGY: The operational and financial integration provision of the Central Valley Project (CVP) authorization requires that the cost allocation, ratesetting, and repayment studies be performed for the total project rather than for individual divisions and units. In response to congressional requests for information on individual divisions and units, pro rata shares of the cost allocation for the total authorized project are shown for the individual divisions and units. Thus, the pro rata share of the project cost allocation shown for these Programs will change each time there is a change in the total estimated cost of the authorized CVP.

The net increase in total cost to be allocated of \$36,524,000 includes: \$17,690,000 in Ecosystem/Water System modeling which reflects inclusion of a 10-year program to support the San Joaquin River Agreement and the management of Section 3406(b)(2); \$8,000,000 for wheeling water to refuges which reflects increases in the unit cost of level 4 water as well as the quantity of level 4 water needed; \$6,286,000 for other environmental impacts on CVP programs not specifically enumerated in P.L. 102-575, particularly for work in the San Joaquin Valley, Title XXXIV, Section 3406(b), \$4,338,000 due to reevaluation and updating of cost estimates for developing and implementing measures to avoid losses of juvenile fish resulting from unscreened or inadequately screened diversions; \$400,000 for the Kaweah River Delta corridor enhancement study; partially offset by a decrease of \$190,000 in fish screen research.

WORK PROPOSED FOR FY 2005:

Water and Energy Management and Development -

Water Marketing - Continues water marketing that includes annual ratesetting, cost allocations for water operations record keeping and accounting, repayment capacity and economic studies, water rights, water transfers, and water rights litigation. The increase is due to additional funding for the water transfer program and for a periodic CVP Full Cost Allocation Study per P.L. 99-546.

\$4,512,000

Administration and Compliance - Continues water conservation technical assistance to area offices, the water conservation field services program, and operation of the water conservation center.

1,481,000

Other Technical Support - Continues technical support for water resources issues, National Environmental Policy Act compliance technical support, power management and energy resources, and maintenance and evaluation of electronic models.

1,224,000

Geographic Information System (GIS) - Continues GIS technical support.

1,030,000

CVP, Miscellaneous Project Programs

Water Quality Activities - Continues water quality and groundwater monitoring, coordination of the CVP water quality program, and work on the Clean Water Action Plan. 998,000

Central Valley Project/State Water Project - Continues work on groundwater/surface water model and data development. 280,000

Subtotal, Water and Energy Management and Development **\$9,525,000**

Land Management and Development - Continues hazardous materials management programs, compliance with the National Historic Preservation Act, the backlog land classification program, and the management of other natural resources. **1,701,000**

Fish and Wildlife Management and Development -

Central Valley Project Improvement Act (CVPIA) Administration Charges - Continues activities related to the administration of the CVPIA, which cannot be directly charged to a specific program. The increase is due to a reevaluation of program needs. 800,000

Wildlife Habitat Augmentation - Continues implementation of projects that enhance and restore riparian, wetland, and associated habitats within the watersheds of the CVP. These projects increase opportunities for biodiversity, help meet commitments of the biological opinion for operation of the CVP, and provide benefits that include improved water quality, groundwater recharge, and habitat for endangered species. The increase is to bring funding levels up to meet program needs. 750,000

Central Valley Habitat Monitoring Program - Continues activities to meet analytical requirements described in the Biological Opinion on Implementation of the CVPIA, which includes developing a comprehensive mapping program to identify remaining natural habitats within the CVP service areas and to identify any changes within those habitats that have occurred between 1993 and 2000. 300,000

Other - Continues technical support on fishery issues and work directed by the Fish and Wildlife Coordination Act as it pertains to the CVP. Tasks include meeting with agencies and private organizations to identify environmental problems and needs, determining methods to evaluate environmental impacts, collect and analyze data, and provide recommendations to mitigate impacts. The increase is due to reevaluation of fishery technical support program needs particularly as they pertain to the CVPIA. 192,000

Fish Programs - Continues participation in the Spring-Run Chinook Salmon Work Group, which coordinates recovery and restoration efforts for the spring-run salmon. 31,000

Anadromous Fish Restoration Program ^{1/}	6,000,000
Other Central Valley Project Impacts ^{1/}	3,000,000
Dedicated Project Yield ^{1/}	927,000
Flow Fluctuation Study ^{1/}	50,000
Restoration of Riparian Habitat and Spawning Gravel ^{1/}	500,000
Central Valley Comprehensive Assessment/Monitoring Program ^{1/}	300,000
Anadromous Fish Screen Program ^{1/}	3,400,000
Refuge Wheeling ^{1/}	8,000,000
Refuge Water Supply, Facility Construction ^{1/}	5,100,000
Ecosystem/Water Systems Operation Model ^{1/}	<u>7,077,000</u>
Fish and Wildlife Management and Development	34,354,000
Subtotal, Restoration Fund	<u>(34,329,000)</u>
Subtotal, Water and Related Resources	25,000

^{1/} See Central Valley Project Restoration Fund work proposed for description.

Subtotal, Fish and Wildlife Management and Development **2,098,000**

Facility Operations - Continues miscellaneous operation, maintenance, resource management, and technical support activities pertaining to CVP operations. Continues operation and routine maintenance of the CVP radio systems. **917,000**

Facility Maintenance and Rehabilitation - Continues to monitor landslides on Reclamation lands, review operations, provides updates of regional policies and guidelines, and periodic examination of facilities. **293,000**

Reclamation Request **\$14,534,000**

SEE APPENDIX FOR: Benefit Cost Ratios as of October 1, 2004
Land Certification
Obligations by Function for Operating Projects
Project Repayment FY 2005
Status of NEPA Compliance
Summary of Irrigation Investment

CVP, Replacements, Additions, and Extraordinary Maintenance Program

LOCATION: This program encompasses the entire Central Valley Project in California. The boundary extends from the Cascade Range in the north to the plains along the Kern River in the south.

DESCRIPTION/JUSTIFICATION: Since FY 2000 replacement, additions, and extraordinary maintenance (RAX) items, previously contained in individual divisions and units of the Central Valley Project (CVP), have been presented in a single program. Consolidating all RAX items in the CVP into a single program provides a more responsive, cost-effective, and comprehensive management tool with which to administer the CVP RAX program and to provide the Congress with a single point of reference regarding CVP RAX items.

AUTHORIZATION: Emergency Relief Appropriation Act of 1935, April 8, 1935. The Central Valley Project was authorized by a finding of feasibility by the Secretary of the Interior, and approved by the President on December 2, 1935; P.L. 75-392, Rivers and Harbors Act of 1937, August 26, 1937; P.L. 76-868, Rivers and Harbors Act of 1940, October 17, 1940; P.L. 81-356, American River Division Authorization Act, October 14, 1949; P.L. 87-874, River and Harbors Act of 1962 (Flood Control Act), October 23, 1962; P.L. 91-502, Black Butte Integration Act, October 23, 1970; P.L. 94-423, Reclamation Authorization Act of 1976, September 28, 1976; P.L. 99-546, Coordinated Operations Agreement, Suisun Marsh Preservation Agreement, and Small Reclamation Projects Act of 1986, October 27, 1986; and P.L. 102-575, Title XXXIV, Central Valley Project Improvement Act of 1992, October 30, 1992.

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004	FY 2005
Facility Maintenance and Rehabilitation	\$14,002,351	\$23,200,000
Total Program	\$14,002,351	\$23,200,000
Prior Year Funds	(2,351)	0
Enacted/Request	\$14,000,000	\$23,200,000
Underfinancing	(289,000)	0
Rescission (H.R. 2673)	(81,000)	0
Total Reclamation Allotment	\$13,630,000	\$23,200,000

WORK PROPOSED FOR FY 2005:

Facility Maintenance and Rehabilitation -

Shasta Facilities - Continues rewind of main unit generators 1 and 2 at the Shasta Powerplant. Completes upgrade of the station service units at the Shasta Powerplant and replacement of the roofs on the Shasta and Keswick powerplants and cleaning of weeps and drains of the Shasta and Keswick dams.

\$9,562,000

Folsom Facilities - Continues overhaul of units 1 and 2 at the Nimbus Powerplant. Completes repairs for the radial gates and gearboxes and the purchase and installation of attachments for the radial gates on the Nimbus Dam; painting the draft tube gates and replacement of seals at the Folsom Powerplant; replacement of the excitation systems, and replacement of a transformer at the Nimbus Powerplant; and overhaul of the large valve and replacement of flow meters at the Folsom Pumping Plant.

8,479,000

New Melones Facilities - Completes repair of the butterfly valve plug valves, overhaul of units 1 and 2, and replacement of the excitation systems at the New Melones Powerplant. Completes the upgrade of the wastewater systems at the New Melones recreation areas. 2,229,000

Trinity Facilities - Completes replacement of distribution panel boards at the Spring Creek Powerplant, and replacement of roofs and paving of parking areas at the Trinity, J F Carr, and Spring Creek powerplants. Completes refurbishment of a transformer at the J F Carr Powerhouse. Completes cleaning of weeps and drains at the Trinity and Whiskeytown dams, and erosion control and restoration at the Buckhorn Dam. Completes rehabilitation and restoration of excavation area number 2. 1,918,000

Tracy Facilities - Completes replacement of radial gates on the Delta-Mendota Canal, rehabilitation of the Delta Cross Channel gates, and replacement of the fish count/loading bucket at the Tracy Fish Collecting Facility. 1,012,000

Subtotal, Facility Maintenance and Rehabilitation **\$23,200,000**

Reclamation Request **\$23,200,000**

SEE APPENDIX FOR: Obligations by Function for Operating Projects

CVP, Sacramento River Division

LOCATION: The Sacramento River Division (Division) is located in Colusa, Glenn, and Tehama Counties in northern California.

DESCRIPTION/JUSTIFICATION: This Division consists of the Red Bluff Diversion Dam, a concrete weir structure 52 feet high and 5,985 feet long; Red Bluff Diversion Dam Fish Bypass Facilities; Corning Pumping Plant, with six units and a total capacity of 477 cubic feet per second; Tehama-Colusa Canal system including Reaches 1 through 8A, canal-side pumping plants and distribution systems, approximately 114 miles long, with an initial capacity of 2,530 cubic feet per second, extending from Red Bluff Diversion Dam and terminating in Yolo County south of Dunnigan, California; Tehama-Colusa Fish Facilities; Corning Canal, 21 miles long with a diversion capacity of 500 cubic feet per second and terminating about four miles southwest of Corning, California. The Division provides full irrigation service to 34,319 acres and will supply supplemental irrigation service to 105,199 acres. Additional benefits include flood control, recreation, and fish and wildlife protection. Stony Creek, redirection of water from Black Butte Reservoir into the Tehama-Colusa Canal, has been essential as a temporary measure when gravity diversion of water at the Red Bluff Diversion Dam has been precluded by the Biological Opinion for the endangered Winter-Run Chinook salmon. It is now clear that redirections on Stony Creek are part of the alternatives package for the long-term solution to the fish passage problems at Red Bluff. The National Marine Fisheries Service issued a Biological Opinion with an incidental take permit that requires Reclamation to resolve the stranding of federally-listed Winter-Run Chinook salmon in East Sand Slough (Slough) when the gates are raised at the Red Bluff Diversion Dam. Reclamation reshaped the bottom of the lower end of the Slough in 1994 to provide uniform draining when the gates are seasonally raised at the Red Bluff Diversion Dam. Subsequent winter floods, however, have resulted in unstable conditions. No action has been taken in the upper end of the Slough where reconfiguring the bottom of the slough would be far more difficult and could impact established wetlands vegetation. Reclamation proposes to evaluate the use of berms to prevent the entry of fish into upper East Sand Slough before embarking upon a program of bottom reconfiguration.

AUTHORIZATION: P.L. 81-839, Sacramento Valley Canals, September 26, 1950; P.L. 90-65, Amend Sacramento Valley Canals Act, August 19, 1967; and P.L. 102-575, Central Valley Project Improvement Act of 1992, Title XXXIV, October 30, 1992.

COMPLETION DATA: Completed and operational major features include: Red Bluff Diversion Dam, Tehama-Colusa Canal system including Reaches 1 through 8A, canal side pumping plants and distribution systems, Corning Canal and facilities, Corning Water District Distribution System, Tehama-Colusa Fish Facilities, and the Red Bluff Diversion Dam Fish Bypass Facilities. All facilities of the Sacramento River Division were constructed and are operated by Reclamation except for the Corning Pumping Plant, Tehama-Colusa and Corning Canals, which were constructed by Reclamation and are operated by the Tehama-Colusa Canal Authority.

As of September 30, 2003, the Sacramento River Division was 90 percent complete.

SUMMARIZED FINANCIAL DATA**Program Financial Data**

Activity	FY 2004	FY 2005
Water and Energy Management and Development	\$3,451,137	\$1,231,000
Land Management and Development	252,000	269,000
Fish and Wildlife Management and Development	4,963,000	1,837,000
Facility Operations	1,659,307	1,539,000
Facility Maintenance and Rehabilitation	150,765	150,000
Total Program	\$10,476,209	\$5,026,000
Prior Year Funds	(1,003,209)	0
Enacted/Request	\$9,473,000	\$5,026,000
Underfinancing	(772,000)	0
Rescission (H.R. 2673)	(51,000)	0
Total Reclamation Allotment	\$8,650,000	\$5,026,000

Total Construction Costs to be Allocated

	Total Estimated Cost	Total to 9/30/03	FY 2004	FY 2005	Balance to Complete
Reclamation	\$529,716,657	\$412,849,256	\$4,739,000	\$1,800,000	\$110,328,401
Adjustment ^{1/}	6,394,514	2,192,646	1,405,735	0	2,796,133
Total	\$536,111,171	\$415,041,902	\$6,144,735	\$1,800,000	\$113,124,534

^{1/} Includes Federal net property/transfer -\$101,206 and non-Federal contributions of \$6,500,000.
FY 2004 includes undelivered orders.

Construction Cost Allocation and Methodology

Allocation	FY 2004	FY 2005
Irrigation	\$237,588,000	\$239,375,000
Power	65,777,000	66,993,000
Municipal and Industrial Water	35,825,000	36,222,000
Recreation	282,000	282,000
Fish and Wildlife	121,410,000	121,404,000
Flood Control	16,052,000	16,204,000
Navigation	1,156,000	1,167,000
Deferred Use ^{1/}	54,450,000	54,450,000
Archeological Resources	14,000	14,000
Total	\$532,554,000	\$536,111,000

^{1/} Incremental cost of providing extra capacity and elevation in Tehama-Colusa Canal (Reaches 5-8A) to enable future water service to the planned West Sacramento Canal Unit service area. Rounding adjustment of (\$171) made for allocation purposes.

METHODOLOGY: The operational and financial integration provision of the Central Valley Project (CVP) authorization requires that the cost allocation, rate setting, and repayment studies be performed for the total project rather than for individual divisions and units. In response to congressional requests for information on individual divisions and units, pro rata shares of the cost allocation for the total authorized project are shown for the individual divisions and units. Thus, the pro rata share of the project cost allocation shown for this Division will change each time there is a change in the total estimated cost of the authorized CVP.

The net increase in the total cost to be allocated of \$3,557,000 includes an increase of \$3,341,099 for indexing to October 2004 projected prices for the following: \$3,029,099 for Reach 8 on the Tehama Colusa Canal, \$277,000 for the Dunnigan Water District distribution system, \$19,000 for Colusa service area facilities, and \$16,000 for other project costs; non-contracts costs of \$356,754 for the Pilot Research Pumping Plant and \$50,535 for the Captive Broodstock program; and offset by a decrease of \$118,112 for Stony Creek and \$67,681 for Butte Creek out year requirements, \$5,372 in minor adjustments for Glenn Colusa Irrigation District, and \$223 for rounding.

WORK PROPOSED FOR FY 2005:

Water and Energy Management and Development -

Sacramento River Contract Litigation Settlement - Continues to implement the Memorandum of Understanding between Sacramento River Settlement Contractors and the United States. Implementation includes the update and extension of the 1956 Cooperative Study, development of a basin-wide water management plan, preparation of a National Environmental Policy Act document, consultation as required by the Endangered Species Act and negotiation of water contracts. Decrease is for anticipated completion of long-term contract renewals. \$500,000

Water Service and Repayment Contracts - Continues administering and negotiating water service and repayment contracts. 314,000

Reservoir and River Operations - Continues monitoring and reporting on water operations on the Sacramento River and Stony Creek. 218,000

Water Quality Monitoring and Water Conservation - Continues water conservation efforts and maintaining satellite telemetry stations along the Sacramento River in compliance with a biological opinion. 183,000

Groundwater Information and Reporting - Continues management of groundwater data. 16,000

Subtotal, Water and Energy Management and Development **\$1,231,000**

Land Management and Development - Continues Hazardous Materials Management Program, land disposals, encroachments, and outgrants. **269,000**

Fish and Wildlife Management and Development -

Fish Passage Program - Continues fish passage planning program, as required by the Central Valley Project Improvement Act, P.L. 102-575. The Red Bluff Diversion Dam impedes both upstream and downstream fish passage to the upper Sacramento River spawning grounds of nearly all the Chinook salmon. The objective of this program is to remove or mitigate those remaining impediments while delivering water, and if possible, preserving Lake Red Bluff. 1,000,000

Hamilton City Pumping Plant, Glenn Colusa Irrigation District (GCID) - Continues effort on the GCID Fish Screen Replacement Project with joint-agency testing of the completed new works to determine if they meet the performance requirements of the three state and Federal biological opinions. 500,000

Deer Fencing - Continues purchase and installation of additional fencing as needed along the Tehama-Colusa Canal. 37,000

Stony Creek - Completes fish monitoring evaluation, which began in FY 2000. Depending upon the results of the evaluation, further work may be required. 300,000

Subtotal, Fish and Wildlife Management and Development **1,837,000**

Facility Operations - Continues operation and maintenance of Red Bluff Diversion Dam and associated facilities for delivery of irrigation and refuge water to Tehama-Colusa and Corning canals and installation and removal of temporary fish screens. Continues groundwater monitoring, report preparation, maintenance, and calibration of water meters and stream gages along the Sacramento River. Continues to operate and maintain the Research Pumping Plant for deliveries of irrigation and refuge water to Tehama-Colusa and Corning canals, and maintain roads and drainage ditches in and around Tehama-Colusa Fish Facility. 1,487,000

Hydrilla Detection/Eradication Program and Aquatic Weed Research - Continues the program to control or eradicate aquatic weeds and hydrilla. 52,000

Subtotal, Facility Operations **1,539,000**

Facility Maintenance and Rehabilitation - Continues ongoing life safety code deficiencies within the Sacramento River Division. **150,000**

Reclamation Request **\$5,026,000**

SEE APPENDIX FOR: Benefit Cost Ratios as of October 1, 2004
Land Certification
Obligations by Function for Operating Projects
Project Repayment FY 2005
Status of NEPA Compliance
Status of Water Service and Repayment Contracts
Summary of Irrigation Investment

CVP, San Felipe Division

LOCATION: The San Felipe Division (Division) is located in the central coastal area south of San Francisco, California, and encompasses the Santa Clara Valley in Santa Clara County, the northern portion of San Benito County, the southern portion of Santa Cruz County, and the northern edge of Monterey County.

DESCRIPTION/JUSTIFICATION: This Division consists of the Coyote Afterbay Dam and Reservoir, an earth and rockfill structure 46 feet high with a crest length of 880 feet and a reservoir capacity of 62 acre-feet; San Justo Dam and Reservoir, an earthfill structure 141 feet high, a crest length of 722 feet, a dike structure 66 feet high, with a crest length of 918 feet and a reservoir capacity of 9,906 acre-feet; Hollister Conduit, 14.3 miles long with a capacity of 83 cubic feet per second; Pacheco Conduit, 7.8 miles long with a capacity of 413 to 480 cubic feet per second; Santa Clara Tunnel and Conduit, 22.4 miles long with a capacity of 330 cubic feet per second; Pacheco Tunnel, 7.1 miles long with a capacity of 480 cubic feet per second; two pumping plants; two switchyards; and 41 miles of transmission line. Water from San Luis Reservoir is being transported to the service area through Pacheco Tunnel and other principal features. The Pacheco Tunnel Inlet was constructed under authority contained in the San Luis Authorization Act. An integral part of the CVP, this division delivers water supplies developed in the American River, Shasta, and Trinity River Divisions to users located in the Division service area.

AUTHORIZATION: P.L. 90-72, San Felipe Division, Central Valley Project, August 27, 1967.

COMPLETION DATA: As of September 30, 2003, this project was 92 percent complete.

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004	FY 2005
Water and Energy Management and Development	\$252,065	\$379,000
Land Management and Development	468,046	474,000
Fish and Wildlife Management and Development	26,700	116,000
Facility Operations	528	0
Total Program	\$747,339	\$969,000
Prior Year Funds	(2,339)	0
Enacted/Request	\$745,000	\$969,000
Underfinancing	(71,000)	0
Rescission (H.R. 2673)	(4,000)	0
Total Reclamation Allotment	\$670,000	\$969,000

Total Construction Costs to be Allocated

	Total Estimated Cost	Total to 9/30/03	FY 2004	FY 2005	Balance to Complete
Reclamation	\$380,093,508	\$312,780,314	\$516,797	\$698,000	\$66,098,397
Adjustments ^{1/}	9,029,010	8,641,059	277,647	0	110,304
Total	\$389,122,518	\$321,421,373	\$794,444	\$698,000	\$66,208,701

^{1/} Includes cash contributions of \$50,000 by the San Felipe Committee for preconstruction studies, \$397,381 by County of San Benito for non-Federal share of cost of public use/recreation facilities at San Justo Reservoir, \$8,382,000 for cost of the Pacheco Tunnel, \$199,629 for other Federal net property/transfers. FY 2004 includes undelivered orders.

Construction Cost Allocation and Methodology

Allocation	FY 2004	FY 2005
Irrigation	\$87,329,000	\$86,070,000
Municipal and Industrial Water	263,129,000	263,611,000
Recreation	19,738,000	19,693,000
Fish and Wildlife	19,489,000	19,445,000
Archaeological, Cultural and Historical	0	105,000
Interest during Construction - Irrigation	199,000	199,000
Total ^{1/}	\$389,884,000	\$389,123,000

^{1/} Rounding adjustment of \$482 made for allocation purposes.

METHODOLOGY: The operational and financial integration provision of the CVP authorization requires that the cost allocation, ratesetting, and repayment studies be performed for the total project rather than individual divisions and units. In response to congressional requests for information on individual divisions and units, pro rata shares of the cost allocation for the total authorized project are shown for the individual divisions and units. Thus, the pro rata share of the project cost allocation shown for this division will change each time there is a change in the total estimated cost of the authorized CVP.

During a review of the cost allocation process, it was determined that Preconstruction Investigations represent investigations costs that are not directly related to or associated with plant-in-service facilities and have, therefore, been removed from the allocation table.

The net decrease of \$761,000 includes \$3,212,000 for Watsonville Area Water Recycling Project outyear estimates; offset by an increase of \$1,936,667 for Wildlife Mitigation, \$514,201 for transfer stipulations, San Justo Dam and Reservoir, and \$132 for rounding.

APPROPRIATION CEILING: Appropriations authorized are \$359,608,000 (October 2004). The comparable Federal obligation, including \$19,400,000 for a Federal loan to San Benito County Water Conservation and Flood Control District to build a distribution system, is \$380,093,508 which does not exceed the ceiling by more than the amount of contingencies included in the obligation. This authorization may not be adequate to cover the project as currently proposed. Authorizing legislation may be required to increase the appropriation ceiling to complete the project as authorized. Estimating data on the Watsonville Facilities are not firm enough to determine if additional appropriation ceiling is necessary. The situation will be analyzed periodically as new and more precise data becomes available to determine the impact of the changes. Appropriate congressional committees will be advised of the ceiling status for this project at the time a firm commitment is made on the construction of the Watsonville Facilities. Current commitments will be held within the existing ceiling.

WORK PROPOSED FOR FY 2005:

Water and Energy Management and Development -

Water Marketing and Contracting Activities - Begins water marketing and contracting activities within the Division. \$49,000

Miscellaneous Activities - Continues work on National Environmental Policy Act requirements for contract renewals. Continues water conservation activities including water conservation plans, technical assistance, demonstration projects, grants, cooperative agreements, partnerships, and irrigation efficiency improvements. Continues to mitigate adverse effects on wildlife, fisheries, water quality, and cultural resources for construction. Request increased because of the need to complete the long-term contract renewal environmental documents and site-specific environmental assessments.

330,000

Subtotal, Water and Energy Management and Development **\$379,000**

Land Management and Development -

San Justo Dam and Reservoir - Continues work on transfer stipulations for the San Justo Dam and Reservoir. The San Benito County Water District is requesting these repairs to be completed prior to the transfer of the Reservoir. 324,000

Land Use Compliance - Continues day-to-day land management activities required for the San Justo Reservoir and associated facilities. These activities include oversight and review of public and non-public land use requests, complying with and administering laws and regulations, and protection of land resources. 150,000

Subtotal, Land Management and Development **474,000**

Fish and Wildlife Management and Development -

San Felipe Biological Opinion Implementation - Begins implementation of biological opinion requirements. A number of consultations with the US Fish and Wildlife Service under Section 7 of the Endangered Species Act, resulted in biological opinions covering interim and long-term water service contracts, continued operation and maintenance of Reclamation facilities, and other site-specific Federal actions. 72,000

Environmental Monitoring - Continues monitoring of pest management activities to ensure compliance with Federal and State laws. 44,000

Subtotal, Fish and Wildlife Management and Development **116,000**

Reclamation Request \$969,000

SEE APPENDIX FOR: Benefit Cost Ratios as of October 1, 2004
Land Certification
Project Repayment FY 2005
Status of NEPA Compliance
Summary of Irrigation Investment

CVP, San Joaquin Division

LOCATION: The San Joaquin Division (Division) is located in the San Joaquin Valley of central California.

DESCRIPTION/JUSTIFICATION: The Division is an integral part of the Central Valley Project (CVP). The division was established for budgeting purposes to implement legislation enacted to protect, restore, and enhance fish, wildlife and associated habitats in the Central Valley of California.

The Fish and Wildlife Management and Development activity funding request provides for continued construction of water delivery facilities to provide suitable reliable water supply to more than 65,000 acres of wetlands in the northern San Joaquin River Basin (Grasslands Basin) in order to meet water-specific requirements of the Central Valley Project Improvement Act (CVPIA). Work includes construction of new facilities, rehabilitation and enlargement of existing facilities, and evaluation of proposals submitted by willing sellers, including activities required by the National Environmental Policy Act, Endangered Species Act, Fish and Wildlife Coordination Act, and State water laws.

The San Joaquin Basin Action Plan (Plan) will implement management objectives to ensure permanent habitat preservation of lands that are of vital importance to Pacific Flyway ducks and geese, threatened and endangered species, other migratory birds and resident species. The Plan will provide information for the creation of wetlands for waterfowl and other wetland dependent species on agricultural lands suitable for conversion, and protect adequate sanctuary to encourage wider distribution of waterfowl, and provide protection for endangered and threatened species.

Water Acquisition funding will be used to acquire additional water supplies to supplement the quantity of water dedicated to fish and wildlife purposes. The Anadromous Fish Restoration Program will identify specific restoration actions for both CVP and non-CVP controlled rivers and streams within the Central Valley of California.

Land Retirement funding will be used to acquire drainage impaired agricultural land, which is characterized by low productivity, poor drainage, and high selenium concentrations in the shallow groundwater and to establish wildlife habitats. This funding will also be used to continue implementation of the Land Retirement Demonstration Project (LRDP).

The goals of the LRDP are to study the impacts of land retirement upon groundwater levels, groundwater and surface water quality, soil chemistry, and biota. This project is needed to provide site-specific scientific data to guide any future implementation of the land retirement program and to develop tools for predicting potential benefits and impacts of retiring lands from irrigated agriculture in the Central Valley. The LRDP will evaluate habitat rehabilitation techniques to determine the most effective and economical means to provide safe upland habitats to aid in the recovery of threatened and endangered species in the San Joaquin Valley.

AUTHORIZATION: P.L. 102-575, Title XXXIV, Central Valley Project Improvement Act of 1992.

COMPLETION DATA: As of September 30, 2003, the San Joaquin Division was 15 percent complete.

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004		FY 2005	
	Restoration Fund	Water & Related Resources	Restoration Fund	Water & Related Resources
Water and Energy Management and Development	\$0	\$366	\$0	\$0
Fish and Wildlife Management and Development	\$10,864,107	\$383,860	\$18,566,000	\$295,000
Total Program	\$10,864,107	\$384,226	\$18,566,000	\$295,000
Prior Year Funds	(4,107)	(1,226)	0	0
Enacted/Request	\$10,860,000	\$383,000	\$18,566,000	\$295,000
Underfinancing	N/A	(37,000)	N/A	0
Rescission (H.R. 2673)	(52,073)	(2,000)	0	0
Total Reclamation Allotment	\$10,807,927	\$344,000	\$18,566,000	\$295,000

Total Construction Costs to be Allocated

	Total Estimated Cost	Total to 9/30/03	FY 2004	FY 2005	Balance to Complete
Reclamation	\$838,055,191	\$136,000,156	\$11,151,000	\$18,861,000	\$672,042,035
Adjustments ^{1/}	5,953,641	(4,968,332)	10,928,738	0	(6,765)
Total ^{2/}	\$844,008,832	\$131,031,824	\$22,080,665	\$18,861,000	\$672,035,270

^{1/} Includes (\$21,166) for transfers, credits and other expenditures and \$5,974,807 for non-Federal cash contributions. FY 2004 includes undelivered orders.

^{2/} Includes Restoration funds of \$10,807,927 in FY 2004 and \$18,566,000 in FY 2005.

Construction Cost Allocation and Methodology

Allocation	FY 2004	FY 2005
Fish and Wildlife	\$833,282,000	\$844,009,000
Total ^{1/}	\$833,282,000	\$844,009,000

^{1/} Rounding adjustment of \$168 made for allocation purposes.

METHODOLOGY: The net increase in the total cost to be allocated of \$10,727,000 includes an increase of \$10,731,166, due to re-evaluation of total project cost for the San Joaquin Basin Action Plan, \$5,257 for the Land Retirement Program, and \$526 for rounding; offset by a decrease of \$9,000 for Science and Technology and \$949 for the Water Acquisition Program.

APPROPRIATION CEILING: Not Applicable

WORK PROPOSED FOR FY 2005:

Fish and Wildlife Management and Development -

Water Acquisition Program ^{1/}	\$ 9,536,000
San Joaquin Basin Action Plan ^{1/}	7,825,000
Land Retirement Program ^{1/}	<u>1,500,000</u>
Fish and Wildlife Management and Development	18,861,000
Restoration Fund	<u>(18,566,000)</u>
Subtotal, Fish and Wildlife Management and Development	295,000

^{1/} See Central Valley Project Restoration Fund, work proposed for description.

Reclamation Request

\$295,000

SEE APPENDIX FOR: Benefit Cost Ratios as of October 1, 2004
Project Repayment FY 2005
Summary of Irrigation Investment

CVP, Shasta Division

LOCATION: The Shasta Division (Division) is located in Shasta County in northeastern California.

DESCRIPTION/JUSTIFICATION: As an integral part of the Central Valley Project (CVP), this Division develops water and power supplies for delivery to users located in the Shasta Division service area and elsewhere in the CVP. This Division consists of Shasta Dam and Lake, a curved concrete gravity structure 602 feet high, a crest length of 3,460 feet, and a lake capacity of 4,552,000 acre-feet; Shasta Powerplant, consisting of 5 main generating units and 2 station service units with a capacity of 652,000 kilowatts; Keswick Dam and Reservoir, a concrete gravity dam 157 feet high with a crest length of 1,046 feet and a capacity of 23,800 acre-feet; and Keswick Powerplant, consisting of 3 main generating units with a capacity of 117,000 kilowatts. The Clear Creek Restoration Project offers great potential for contributions to the doubling of anadromous fish populations required by the Central Valley Project Improvement Act, and has particular value for heading off further constraints on CVP operations by providing additional habitat for the spring-run salmon. Coleman National Fish Hatchery, operated by the Fish and Wildlife Service, provides for additional smolt survival and release sizes of anadromous fish. Under the Anderson-Cottonwood Irrigation District Diversion Dam Fish Passage Program, the Secretary is directed to develop and implement a program to resolve fish passage problems at the dam as well as upstream stranding problems related to dam operations. The Division provides supplemental irrigation service to 499,694 acres, 10,710 acre-feet annually for municipal and industrial use, and generation of 614,000 kilowatts of hydropower. The Division also provides fish and wildlife, and flood control benefits.

AUTHORIZATION: Emergency Relief Appropriations Act of 1935, April 8, 1935. The CVP was authorized by a finding of feasibility by the Secretary of the Interior, and approved by the President on December 1, 1935; P.L. 75-392, Rivers and Harbors Act of 1937, August 26, 1937; P.L. 76-868, Rivers and Harbors Act of 1940, October 17, 1940; P.L. 99-546, Coordinated Operations Agreement, Suisun Marsh Preservation Agreement and Small Reclamation Projects Act of 1986, October 27, 1986; and P.L. 102-575, Title XXXIV, Central Valley Project Improvement Act of 1992, October 30, 1992. (CVPIA).

COMPLETION DATA: As of September 30, 2003, the Shasta Division was 98 percent complete.

SUMMARIZED FINANCIAL DATA**Program Financial Data**

Activity	FY 2004		FY 2005	
	Restoration Fund	Water & Related Resources	Restoration Fund	Water & Related Resources
Water and Energy Management and Development	\$0	\$1,344,926	\$0	\$580,000
Land Management and Development	0	340,057	0	140,000
Fish and Wildlife Management and Development	500,000	100,044	800,000	390,000
Facility Operations	0	10,622,034	0	12,758,000
Facility Maintenance and Rehabilitation	0	551,894	0	425,000
Total Program	\$500,000	\$12,958,955	\$800,000	\$14,293,000
Prior Year Funds	0	(210,955)	0	0
Non-Federal	0	(4,033,000)	0	(6,012,000)
Enacted/Request	\$500,000	\$8,715,000	\$800,000	\$8,281,000
Underfinancing	0	(299,000)	0	0
Rescission (H.R. 2673)	0	(50,000)	0	0
Total Reclamation Allotment	\$500,000	\$8,366,000	\$800,000	\$8,281,000

1/ The rescission for the Restoration Program was assigned to the San Joaquin Division, CVP.

Total Construction Costs to be Allocated

	Total Estimated Cost	Total to 9/30/03	FY 2004	FY 2005	Balance to Complete
Reclamation	\$303,082,135	\$290,389,401	\$598,692	\$1,190,000	\$10,904,042
Adjustments ^{1/}	10,050,820	8,911,853	958,063	0	180,904
Total ^{2/}	\$313,132,955	\$299,301,254	\$1,556,755	\$1,190,000	\$11,084,946

^{1/}Non-Federal State of California funding of \$9,864,717, and transfer of \$186,269. FY 2004 includes undelivered orders.

^{2/}Includes Restoration Funds of \$500,000 in FY 2004 and \$800,000 in FY 2005.

Construction Cost Allocation and Methodology

Allocation	FY 2004	FY 2005
Irrigation	\$113,897,000	\$113,617,000
Power	31,533,000	31,798,000
Municipal and Industrial Water	17,174,000	17,192,000
Fish and Wildlife	141,745,000	142,281,000
Flood Control	7,695,000	7,691,000
Navigation	554,000	554,000
Total ^{1/}	\$312,598,000	\$313,133,000

^{1/}Rounding adjustment of \$45 made for allocation purposes.

METHODOLOGY: The operational and financial integration provision of the CVP authorization requires that the cost allocation, ratesetting, and repayment studies be performed for the total project rather than for individual divisions and units. In response to congressional requests for information on individual divisions and units, pro rata shares of the cost allocation for the total authorized project are shown for the individual divisions and units. Thus, the pro rata share of the project cost allocation shown for this division will change each time there is a change in the total estimated cost of the authorized CVP.

The net increase in the total cost to be allocated of \$535,000 includes \$167,000 for Coleman Fish Hatchery and \$368,000 for Clear Creek Restoration for outyear funding requirements.

APPROPRIATION CEILING: Not applicable.

WORK PROPOSED FOR FY 2005:

Water and Energy Management and Development - Continues Reservoir Ecology and Water Modeling. Continues the Water Quality Monitoring Program. Continues administration of the Water Service and Repayment Contract Program, long-term contract renewals, National Environmental Policy Act compliance and conservation activities required by the Central Valley Project Improvement Act.

\$580,000

Land Management and Development - Continues the Hazardous Materials Management Program.

\$100,000

Continues land management services associated with Reclamation property in the Shasta Division. Activities include the issuance and administration of land use permits, routine inspections of Reclamation properties, title and boundary research, and administration of contracts for construction and maintenance activities on Reclamation land.

40,000

Subtotal, Land Management and Development

140,000

Fish and Wildlife Management and Development -

Coleman Fish Hatchery - Continues oversight activities associated with the fish hatchery ozonation plant. Increase covers additional needs from the Station Development Plan.

390,000

Facility Operations -

Coleman Fish Hatchery - Continues operation and maintenance (O&M) of the Coleman Fish Hatchery and a proportional share of the California-Nevada Fish Health Center and the Northern Central Valley Fish and Wildlife Office, Red Bluff, California. Combined, these offices enable the Fish and Wildlife Service to meet the responsibilities outlined in the Interagency Agreement approved in March 1993.

Funding will also be used for the O&M of the Salmon Rearing Facility. 4,326,000

Continues operation and maintenance of Shasta Dam and associated control and monitoring equipment and operation and maintenance of the Shasta Temperature Control Device; continues apprentice training. Central Valley Project Preference Power Customers are funding Keswick Dam and powerplant and Shasta powerplant in FY 2005.

8,426,000

Central Valley Project Power Customers (non-Federal)

(6,012,000)

2,414,000

Hydrilla Detection and Eradication - Continues to support the aquatic weed research and eradication programs in Shasta County. 6,000
Subtotal, Facility Operations **6,746,000**

Facility Maintenance and Rehabilitation - Continues ongoing life safety code deficiencies within the Shasta Division. 300,000

Accessibility Improvement - Continues facility modifications to meet Federal accessibility standards. Funding reduced to reflect implementation schedule. 125,000

Subtotal, Facility Maintenance and Rehabilitation **425,000**

Reclamation Request **\$8,281,000**

SEE APPENDIX FOR: Benefit Cost Ratios as of October 1, 2004
Obligations by Function for Operating Projects
Project Repayment FY 2005
Status of NEPA Compliance
Status of Water Service and Repayment Contracts
Summary of Irrigation Investment

CVP, Trinity River Division

LOCATION: The Trinity River Division (Division) is located in Trinity and Humboldt Counties in northwestern California.

DESCRIPTION/JUSTIFICATION: This Division consists of Trinity Dam and Trinity Lake, an earthfill dam 538 feet high with a crest length of 2,450 feet and a storage capacity of 2,448,000 acre-feet; Trinity Powerplant, with two generators and a total capacity of 140,000 kilowatts; Lewiston Dam and Lake, an earthfill structure 91 feet high and 745 feet long with a capacity of 14,660 acre-feet; Lewiston Powerplant, with one unit and a capacity of 350 kilowatts; Trinity River Fish Hatchery; Clear Creek Tunnel, 10.7 miles long; Judge Francis Carr Powerhouse, with two generators and a total capacity of 154,400 kilowatts; Whiskeytown Dam and Lake, an earthfill structure 282 feet high and a crest length of 4,000 feet with a lake capacity of 241,100 acre-feet; Spring Creek Tunnel and Powerplant, 2.4 miles long with two generators and a total capacity of 180,000 kilowatts; Spring Creek Debris Dam and Reservoir, an earthfill structure 196 feet high, a crest length of 1,110 feet, and a capacity of 5,870 acre-feet; and related pumping and distribution facilities. An integral part of the Central Valley Project (CVP), the Division develops water and power supplies for delivery to users located in the Division service area and elsewhere in the CVP service area. Facilities constructed under the original Trinity River Act provide full irrigation to service 6,676 acres and supplemental water service to 7,121 acres, 4,810 acre-feet annually for municipal and industrial use, and generation of 397,350 kilowatt-hours of hydroelectric power. The Division also includes a restoration program designed to bring fish and wildlife populations in the Trinity River to the levels approximating those which existed before construction of the original facilities to fulfill the Federal Government's trust responsibility to the Hoopa Valley and Yurok Tribes by protecting and restoring the Trinity River fishery.

The Trinity River Flow Evaluation Study was released in June 1999, and included recommendations for restoration of the anadromous fish population in the Trinity River. The Final Trinity River Mainstem Fishery Restoration Environmental Impact Statement/Report, analyzing the Flow Evaluation recommendation along with five other alternatives, was released in November 2000 and the Record of Decision (ROD) was signed December 19, 2000. The decision calls for an increase from approximately 25 percent to 48 percent of the average annual inflow to Trinity Reservoir released to the river. Shortly after the ROD was signed, a lawsuit was filed in Federal District Court by a group of Central Valley water and power users. On March 19, 2001, the Court enjoined that part of the decision that provided increased flows for the Trinity River, required preparation of a Supplemental EIS/EIR (SEIS), and allowed all other non-flow aspects of the Trinity River Restoration Program (TRRP) to proceed (e.g. mechanical restoration of the river bed, biological studies, etc.). The Court entered final judgment on April 7, 2003, and granted the defendants increased river flows from 340,000 acre feet (AF) to 452,600 AF in dry or wetter years. Appeals by the United States, the Hoopa Valley and Yurok Tribes, and the Central Valley irrigators (Westlands, San Luis and Delta-Mendota Water Authority) are pending. The four co-lead agencies (Reclamation, USFWS, Hoopa Valley Tribe and Trinity County) are continuing with the SEIS analyses. The SEIS should be completed by November 2004. The Trinity Management Council (TMC) was established in February 2001 to oversee implementation of the preferred alternative. A TRRP field office was established in September 2002 to implement restoration activities and provide support to the TMC. The Trinity Adaptive Management Working Group was established in November 2002 as a Federal advisory committee to allow formal stakeholder participation.

AUTHORIZATION: P.L. 84-386, Trinity River Division, CVP, August 12, 1955; P.L. 96-335, Trinity River Stream Rectification, September 4, 1980; P.L. 98-541, To Provide for the Restoration of the Fish and Wildlife in the Trinity River Basin, California, and for Other Purposes, October 24, 1984; P.L. 102-377, Making Appropriations for Energy and Water Development for the fiscal year ending September 30, 1993, October 2, 1992; P.L. 102-575, Title XXXIV, Central Valley Project Improvement

Act, of 1992, October 30, 1992; and P.L. 104-143, signed May 15, 1996, Trinity River Basin Fish and Wildlife Management Reauthorization Act of 1995; these statutes provide adequate substantive and funding authority to operate the project and implement fish and wildlife restoration activities in FY 2005.

COMPLETION DATA: Grass Valley Creek (Buckhorn) Debris Dam was completed in FY 1990. Trinity River Hatchery Modifications were completed in FY 1991. Although fish habitat has improved, given the historic damage to the watershed, additional work is needed to achieve restoration goals. The TMC will continue to evaluate the program to monitor the restoration effort.

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004		FY 2005	
	Restoration Fund	Water & Related Resources	Restoration Fund	Water & Related Resources
Water and Energy Management and Development	\$0	\$476,946	\$0	\$501,000
Land Management and Development	0	140,604	0	140,000
Fish and Wildlife Management and Development	0	7,419,758	1,000,000	6,000,000
Facility Operations	0	5,545,958	0	5,489,000
Facility Maintenance and Rehabilitation	0	202,357	0	100,000
Total Program	\$0	\$13,785,623	\$1,000,000	\$12,230,000
Prior Year Funds	0	(424,623)	0	0
Non-Federal	0	(2,775,000)	0	(2,489,000)
Enacted/Request	\$0	\$10,586,000	\$1,000,000	\$9,741,000
Underfinancing	0	(791,000)	0	0
Rescission (H.R. 2673)	0	(58,000)	0	0
Total Reclamation Allotment	\$0	\$9,737,000	\$1,000,000	\$9,741,000

1/ The rescission for the Restoration Program was assigned to the San Joaquin Division, CVP.

Total Construction Costs to be Allocated

	Total Estimated Cost	Total to 9/30/03	FY 2004	FY 2005	Balance to Complete
Reclamation ^{1/}	\$377,398,861	\$347,327,637	\$5,358,394	\$5,335,000	\$19,377,830
Adjustments ^{2/}	1,359,365	(2,822,409)	4,181,774	0	0
Total ^{3/}	\$378,758,226	\$344,505,228	\$9,540,168	\$5,335,000	\$19,377,830

^{1/} Includes work done under authorization of P.L. 102-575, which is not applied against the appropriation ceiling.

^{2/} Includes Federal net property transfers of \$1,359,365 for other consolidated expenditures and credits.

^{3/} Includes Restoration Funds of \$1,000,000 in FY 2005. FY 2004 includes undelivered orders.

Construction Cost Allocation and Methodology

Allocation	FY 2004	FY 2005
Irrigation	\$162,009,000	\$161,611,000
Power	44,853,000	45,230,000
Municipal and Industrial Water	24,429,000	24,455,000
Recreation	611,000	611,000
Fish and Wildlife	131,670,000	135,124,000
Flood Control	10,945,000	10,940,000
Navigation	788,000	787,000
Total ^{1/}	\$375,305,000	\$378,758,000

^{1/} Rounding adjustment of (\$226) made for allocation purposes.

METHODOLOGY: The operational and financial integration provision of the CVP authorization requires that the cost allocation, rate setting, and repayment studies be performed for the total project rather than for individual divisions and units. In response to congressional requests for information on individual divisions and units, pro rata shares of the cost allocation for the total authorized project are shown for the individual divisions and units. Thus, the pro rata share of the project cost allocation shown for this division will change each time there is a change in the total estimated cost of the authorized CVP.

The net increase in the total cost to be allocated of \$3,453,000 includes increases for reevaluation of long-term program requirements as follows: \$1,890,207 to Rehabilitate Main Channel, \$1,467,049 for Trinity River Bridges, \$611,599 for Watershed Rehabilitation, and \$87,688 for Grass Valley Creek Sediment Control; offset by decreases of \$600,000 for Institutional Organization and \$2,946 for Monitor Fishery and \$597 for rounding.

APPROPRIATION CEILING: Appropriations authorized are \$356,664,000 (October 2004). The comparable Federal obligation is \$331,546,044. Currently, the Division, Grass Valley Creek, and Trinity River Basin Fish and Wildlife Management Program are under separate appropriation ceilings. Expenditures for work related to the Division will not exceed its total authorized appropriation ceiling. The work authorized under the Grass Valley Creek ceiling has been completed. In addition, the Central Project Valley Improvement Act provides additional authority for restoring Trinity River fisheries, and authorizes such sums as are necessary to carry out those provisions.

WORK PROPOSED FOR FY 2005:

Water and Energy Management and Development -

Water Modeling/Water Quality Monitoring - Continues reservoir ecology and water modeling. Continues water quality monitoring at Spring Creek, Buckhorn, Grass Valley Creek, Whiskeytown, Clear Creek, Lewiston Reservoir, Trinity River, and Trinity Lake. \$454,000

Water Conservation - Continues administration of the Water Conservation Program as required by Reclamation Reform Act and Central Valley Project Improvement Act. 47,000

Subtotal, Water and Energy Management and Development **\$501,000**

Land Management and Development -

Hazardous Materials Management Program - Continues Hazardous Materials Management Program. 100,000

Land Management Activities - Continues land management services associated with Reclamation property in the Trinity River Division. Activities include the issuance and administration of land use permits, routine inspections of Reclamation properties, title and boundary research, administration of contracts for construction and maintenance activities on Reclamation land. 40,000

Subtotal, Land Management and Development **140,000**

Fish and Wildlife Management and Development -

Trinity River Restoration Program - Continues implementation the December 2000 Record of Decision, including development of a Comprehensive monitoring and adaptive management program for fishery restoration. Continues constructing river modification projects at various sites along the Trinity River. These projects will be designed to be consistent with desirable future river geomorphology that will improve fishery habitat conditions, increase rearing habitat, which is the limiting factor for river fishery production, and includes monitoring and National Environmental Policy Act compliance. Continue mainstem tributary rehabilitation, side channel and pool maintenance, and sand dredging.

Restoration Funds (see Restoration Fund work proposed narrative)	7,000,000
Subtotal, Water and Related Resources	<u>(1,000,000)</u>
	6,000,000

Subtotal, Fish and Wildlife Management and Development **6,000,000**

Facility Operations -

Fish and Wildlife Facilities - Continues operation of the Trinity Fish Hatchery.
1,722,000

Continues operation and maintenance (O&M) of Trinity, Whiskeytown, Spring Creek, and Buckhorn dams, including outlet facilities and associated control and monitoring equipment. Continues stream gages. Continues O&M of Whiskeytown Glory Hole log boom, Whiskeytown Temperature Curtain, Oak Bottom Temperature Curtain and J.F. Carr Powerhouse buoy lines. Central Valley Project Preference Power Customers are funding Trinity, Springcreek, and Lewiston powerplants and Lewiston Dam and Reservoir.

Central Valley Project Power Customers (Non-Federal)	3,756,000
	<u>(2,489,000)</u>
	1,267,000

Hydrilla Detection and Eradication - Continues to support the aquatic weed research and eradication programs. 11,000

Subtotal, Facility Operations **3,000,000**

Facility Maintenance and Rehabilitation - Continues the abatement of Life Safety Code deficiencies. **100,000**

Reclamation Request **\$9,741,000**

SEE APPENDIX FOR: Benefit Cost Ratios as of October 1, 2004
 Land Certification
 Obligations by Function for Operating Projects
 Project Repayment FY 2005
 Status of NEPA Compliance
 Status of Water Service and Repayment Contracts
 Summary of Irrigation Investment

CVP, Water and Power Operations

LOCATION: The Central Valley Operations Office is located near the regional office in Sacramento County, California.

DESCRIPTION/JUSTIFICATION: The Central Valley Operations Office is responsible for annual water supply allocations for the Central Valley Project (CVP) with forecasted hydroelectric power generation capability. The program includes management of the water resources from the Central Valley Project including maintenance of daily water and power schedules, flood control, compliance with statutory requirements, the Coordinated Operating Agreement (P.L. 99-546), and needs of the Western Area Power Administration. The office implements compliance with the Endangered Species Act affecting system-wide operations, and implements compliance with the Bay-Delta water quality standards. Close coordination of operations with the State of California, U.S. Department of Energy, and other entities is also performed in order to deliver authorized project benefits. The office also operates and maintains a supervisory control and data acquisition system to control and monitor operations of project facilities at 16 dams and reservoirs, 11 hydroelectric power generating plants, 2 pump-storage power generating plants, and various remote data collection sites to comply with water permit and environmental requirements.

AUTHORIZATION: Emergency Relief Appropriation Act of 1935, April 8, 1935. The Central Valley Project was authorized by a finding of feasibility by the Secretary of the Interior, and approved by the President on December 2, 1935; P.L. 75-392, Rivers and Harbors Act of 1937, August 26, 1937; P.L. 76-868, Rivers and Harbors Act of 1940, October 17, 1940; P.L. 81-356, American River Division Authorization Act, October 14, 1949; P.L. 87-874, River and Harbors Act of 1962 (Flood Control Act), October 23, 1962; P.L. 91-502, Black Butte Integration Act, October 23, 1970; P.L. 94-423, Reclamation Authorization Act of 1976, September 28, 1976; P.L. 99-546, Coordinated Operations Agreement, Suisun Marsh Preservation Agreement, and Small Reclamation Projects Act of 1986, October 27, 1986; and P.L. 102-575, Title XXXIV, Central Valley Project Improvement Act of 1992, October 30, 1992.

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004	FY 2005
Water and Energy Management and Development	\$1,800,593	\$1,900,000
Facility Operations	10,716,507	10,780,000
Facility Maintenance and Rehabilitation	360,471	426,000
Total Program	\$12,877,571	\$13,106,000
Prior Year Funds	(1,571)	0
Non-Federal	0	(1,482,000)
Enacted/Request	\$12,876,000	\$11,624,000
Underfinancing	(401,000)	0
Rescission (H.R. 2673)	(74,000)	0
Total Reclamation Allotment	\$12,401,000	\$11,624,000

WORK PROPOSED FOR FY 2005:

Water and Energy Management and Development - Continues review, investigations, forecasts, and preparation of operations criteria essential for management of Central Valley Project (CVP) water resources. This includes work leading to revisions of the Coordinated Operation Agreement (COA). Modifications to Bay-Delta water quality standards and other changes to hydrology in the Central Valley Basin will be analyzed to determine methods to share obligations of the CVP and state water project. The CVP Operations Criteria and Plan will be updated and revised to reflect policies and priorities guiding the multipurpose operation of the project. **\$1,900,000**

Facility Operations -

Power Operations - Continues to provide for the power program operational oversight and procedures required to standardize operational practices, to conform with sound safety practices and to operate in accordance with applicable laws and agreements. **\$3,687,000**

Continues review of activities concerning power program coordination and structure. Continues review and renegotiations of master interconnect contracts to meet project power needs.

100,000

Continues review of other agency Federal Energy Regulatory Commission applications and licenses for compliance with regulations and distribution of water and energy of Reclamation facilities.

8,000

Continues to review pumping plants, power plants, and attendant facilities to ensure facilities are operated and maintained in accordance with Reclamation standards.

968,000

Central Valley Project Power Customers (Non-Federal)

(968,000)

0

Continues accounting activities involving various power financial matters of which the most prominent is the power Operations and Maintenance Funding Agreement with the power customers. Continues energy accounting associated with supporting pumping operations for contractual water deliveries.

284,000

Central Valley Project Power Customers (Non-Federal)

(284,000)

0

Continues to provide supervision, program oversight, and leadership of the Power Management Team.

230,000

Central Valley Project Power Customers (Non-Federal)

(230,000)

0

Water Operations - Continues daily integrated operations scheduling for water deliveries from project facilities, flood control, water temperature control, and salinity control. Continues water wheeling through state water project facilities.

2,332,000

Continues administration of cooperative agreements with the State's California Data Exchange Center, California Department of Water Resources for maintaining the Hydromet system. Continues snow surveys in central valley watersheds.

408,000

Continues to coordinate flood control operations with the River Forecast Center and other participating agencies. Continues to provide support to the California Department of Water Resources flood data committee. 220,000

Central Valley Automated Control System (CVACS) - Continues operation and maintenance of the supervisory control and data acquisition (SCADA) equipment and software in the CVACS installed in power plants, dams, and the Joint Operations Center located in northern and central California. 1,843,000

Office Security Program - Continues security program for physical security measures, security guard contract costs, and video surveillance system maintenance. 700,000

Subtotal, Facility Operations **9,298,000**

Facility Maintenance and Rehabilitation - Continues equipment replacement and service of the SCADA equipment and software in the CVACS and Reclamation Modular SCADA program. CVACS provides remote and local plant control for the generators, gates, outlet valves, and auxiliary equipment of the power plants, dams, and temperature control devices. CVACS equipment is located at the Central Valley Project (CVP) power plants, major dams, Joint Operations Center, and Area Offices in the CVP, which encompasses the Central Valley of California. Functions of CVACS include flood control monitoring, water quality monitoring, automatic generation control, water and power scheduling, water and power dispatching, historical operations database, web server for customer, partner, and public data access and data exchange, and a secure network for control of CVP facilities. **426,000**

Reclamation Request **\$11,624,000**

SEE APPENDIX FOR: Obligations by Function for Operating Projects

CVP, West San Joaquin Division San Luis Unit

LOCATION: The West San Joaquin Division (Division) is located near Los Banos on the west side of the San Joaquin Valley, west of Fresno, California, in Fresno, Kings, and Merced counties.

DESCRIPTION/JUSTIFICATION: This Division includes San Luis joint State-Federal facilities consisting of O'Neill Dam and Forebay, a zoned earthfill structure with a height of 87 feet, a crest length of 14,300 feet, and a capacity of 56,400 acre-feet of water; San Luis Dam and Reservoir, a zoned earthfill structure 382 feet high, a crest length of 18,600 feet, and a reservoir capacity of 2,041,000 acre-feet; San Luis Pumping-Generating Plant, with 8 pumping-generating units each with a capacity of 63,000 horsepower as a motor and 53,000 kilowatts as a generator; Dos Amigos Pumping Plant, containing 6 pumping units, each capable of delivering 2,200 cubic feet per second; Los Banos and Little Panoche Reservoirs; and the San Luis Canal from O'Neill Forebay to Kettleman City, a concrete-lined canal 101.3 miles long with a capacity ranging from 8,350 to 13,100 cubic feet per second; and necessary switchyard facilities. The Federal-only portion consists of O'Neill Pumping Plant and Intake Canal, 6 units with a discharge capacity of 700 cubic feet per second, a rating of 6,000 horsepower, and a generating capacity of 4,200 kilowatts; Coalinga Canal, 11.6 miles long with an initial capacity of 1,100 cubic feet per second; Pleasant Valley Pumping Plant, three 7,000-, three 3,500-, and three 1,250-horsepower units are used to deliver 1,135 cubic feet per second into the Coalinga Canal and 50 cubic feet per second to a distribution lateral; and the San Luis Drain, of which 85 miles has been completed. An integral part of the Central Valley Project (CVP); the unit delivers water and power supplies developed in the American River, Shasta, and Trinity River divisions to users located in the unit service area. The unit provides fish and wildlife benefits, recreation, and supplemental irrigation water to 651,000 acres, 26,500 acre-feet annually for municipal and industrial use, and generates 227,200 kilowatts of hydroelectric power.

Reclamation constructed and owns a 104-mile section of the California Aqueduct, known as the San Luis Canal. It is operated and maintained by the California Department of Water Resources according to joint-use facilities, Joint Operating Agreement. The capital and annual costs are shared by Reclamation and California Department of Water Resources, 45 and 55 percent, respectively. The San Luis Canal crosses several drainages, running from the Diablo Range eastward to the San Joaquin Valley bottom. The major drainages are being addressed by other studies and actions. However, there are approximately 40 other drainages that enter the San Luis Canal via inlets and culverts. Approximately a dozen or more areas of drainage, and local sheet flow from ephemeral storms, pond against the San Luis Canal.

AUTHORIZATION: P.L. 86-488, San Luis Unit, Central Valley Project, June 3, 1960; and P.L. 95-46, San Luis Unit Study, June 15, 1977.

COMPLETION DATA: As of September 30, 2003, the project was 75 percent complete. The slight increase of the percent complete was due in part, to the reduction of outyear requirements for the Arroyo Pasajero design and Cantua Creek Stream Group. A more detailed explanation of these changes is described in the methodology section.

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004	FY 2005
Water and Energy Management and Development	\$6,755,119	\$40,899,000
Land Management and Development	286,412	350,000
Fish and Wildlife Management and Development	400,103	235,000
Facility Operations	6,532,015	7,758,000
Facility Maintenance and Rehabilitation	11,040	8,000
Total Program	\$13,984,689	\$49,250,000
Prior Year Funds	(9,689)	0
Enacted/Request	\$13,975,000	\$49,250,000
Underfinancing	(848,000)	0
Rescission	(77,000)	0
Total Reclamation Allotment	\$13,050,000	\$49,250,000

Total Construction Costs to be Allocated

	Total Estimated Cost	Total to 9/30/03	FY 2004	FY 2005	Balance to Complete
Reclamation	\$1,597,689,332	\$593,605,559	\$5,796,686	\$39,788,000	\$958,499,087
Adjustments ^{1/}	265,782,251	207,039,936	640,961	0	58,101,354
Total	\$1,863,471,583	\$800,645,495	\$6,437,647	\$39,788,000	\$1,016,600,441

^{1/} Includes \$225,096,627 from the State of California for their share of the cost of the San Luis joint State-Federal water supply facilities. Costs of the joint State-Federal facilities are funded 55 percent State and 45 percent Federal. Costs include \$8,109,487 for construction charges payable by Westlands Water District for that portion of the Westlands Distribution System used to deliver project water supplies to the LeMoore Naval Air Station. As provided for by Section 2 of the Act of August 10, 1972 (P.L. 92-378), agricultural and grazing lease revenues from lands of the LeMoore Naval Air Station are being used to provide repayment to the United States of construction charges attributable to such lands, which would have been applicable if the Federal government did not own such lands. Costs include \$34,358,259 for the State of California, Department of Water Resources, toward the state share of the cost of the joint State-Federal water supply facilities; \$581,719 for the State of California, Department of Water Resources, for the San Luis Dam Slide repairs; and \$1,641,741 for the State of California, Department of Parks and Recreation, for recreation facilities at the B.F. Sisk San Luis Reservoir, Los Banos Creek Detention Dam, San Luis Canal, and O'Neill Forebay recreation sites. A decrease of \$4,005,582 is included for adjustments to consolidated expenditures and credits. FY 2004 includes undelivered orders.

Construction Cost Allocation and Methodology

Allocation	FY 2004	FY 2005
Irrigation	\$1,250,205,000	\$1,168,546,000
Municipal and Industrial Water	188,513,000	176,823,000
Recreation	7,169,000	7,169,000
Fish and Wildlife	177,575,000	179,528,000
Flood Control	84,465,000	79,104,000
Navigation	6,078,000	5,693,000
State of California Share	234,089,000	240,450,000
Archaeological Resources	7,000	7,000
Highway Improvements	1,383,000	1,383,000
Safety of Dams	4,767,000	4,770,000
Total ^{1/}	\$1,954,251,000	\$1,863,473,000

^{1/} Rounding adjustment of \$417 made for allocation purposes.

METHODOLOGY: The operational and financial integration provision of the CVP authorization requires that the cost allocation, ratesetting, and repayment studies be performed for the total project rather than for individual divisions and units. In response to congressional requests for information on individual divisions and units, pro rata shares of the cost allocation for the total authorized project are shown for the individual divisions and units. Thus, the pro rata share of the project cost allocation shown for this division will change each time there is a change in the total estimated cost of the authorized CVP.

The net increase of \$90,778,000 includes \$1,992,605 for reevaluation of outyear estimated requirements to implement specific drainage management actions; \$34,787,015 for indexing to October 2004 projected prices; and \$422,059 to provide Reclamation support of the Federal share of Operation and Maintenance construction activities for the San Luis Joint-Use Facilities, as agreed to in the Joint-Use Agreement with the California State Department of Water Resources; offset by a decrease of \$80,300,679 for Arroyo Pasajero design reevaluation of outyear corrective action construction requirements; \$32,900,000 for settlement costs; and \$14,779,000 for reevaluation of outyear requirements for contractual support for Cantua Creek Stream Group.

APPROPRIATION CEILING: Appropriations authorized for the Federal and joint-use facilities are \$678,163,000 (October 2004). The comparable Federal obligation is \$1,597,689,332, which exceeds the ceiling by more than the amount of contingencies included in the obligation. Appropriate congressional committees will be advised of the ceiling status for this portion of the project. Legislation to provide additional appropriation ceiling will be needed to complete the project as authorized. Current commitments will be held within the existing ceiling.

Appropriations authorized for the San Luis Unit Distribution and Drainage System are \$252,970,311. The comparable Federal obligation is \$416,441,667 (including \$13,640,951 Loan Program funds provided to the San Luis Water District), which exceeds the ceiling by more than the amount of contingencies included in the obligation. Appropriate congressional committees have been advised of the ceiling status for this portion of the project. Legislation to provide additional appropriation ceiling will be needed to complete the project as authorized. Current commitments will be held within the existing ceiling.

WORK PROPOSED FOR 2005:

Water and Energy Management and Development -

Drainage Management Program - Continues Reclamation's efforts to develop a solution to address outstanding Federal drainage obligations under the 1960 San Luis Act, including efforts outlined in the Plan of Action for Drainage to the San Luis submitted to the District Court in April 2001, in compliance with the Court's order. \$5,000,000

San Luis Joint-Use Facilities (Construction) - Continues to provide Reclamation support of the Federal share of construction type activities (which may include studies, land purchase or rights-of-way) for the San Luis joint-use facilities, which includes the San Luis Dam and Reservoir, Gianelli Pumping/Generating Plant and switchyard, as agreed to in the Joint-Use Agreement with the California State Department of Water Resources. 562,000

Water Conservation/Contract Renewal/Marketing - Continues water resource management, development, and utilization of water supplies, administration and negotiation for the renewal of long-term water service contracts, and other arrangements related to the allocation, use, and distribution of water. 388,000

San Luis Canal Cross Drainage Management Inventory - Continues Reclamation's efforts as determined by the outcome of the appraisal level study. The appraisal level study will determine whether a feasibility study/Environmental Impact Statement/Environmental Impact Report is required to justify correction action. 231,000

Arroyo Pasajero Design and Construction - Continues Reclamation involvement only for oversight of the third of four years of construction to build the West Side Detention Basin and Westlake Farms alternative. Currently, the intermittent storm flow from Arroyo Pasajero and local sheet-flow event are ponding against the San Luis Canal. The proposed correction is the improvement of the Westside Detention Basin, transportation of floodwaters via the San Luis Canal, and discharge into the new Westlake Farms Storage Basin to be constructed on the east side of the Canal. 226,000

National Environmental Policy Act (NEPA) Compliance - Continues the administration and monitoring of the NEPA process as it pertains to the West San Joaquin Division, in adherence to all-federally mandated requirements. 212,000

Groundwater/Water Quality Monitoring and Reports - Continues the measurement and data collection of groundwater wells within various irrigation districts for use in preparation of an annual report which will be used to track the beneficial use of project water: analysis of impacts due to groundwater conjunctive use; and groundwater modeling efforts. 197,000

Arroyo Pasajero Watershed Management Plan - Continues Reclamation support of the watershed improvement and management program initiated in 1995 by the local Stewards of the Arroyo Pasajero Watershed Coordinated Resource Management Program (CRMP). (The CRMP estimates 24 percent long-term sediment reduction and recommends \$11.2 million over 10 years in ranch and farm improvements.) The CRMP will complement a flood management project under investigation by the Corps of Engineers, California Department of Water Resources, and Reclamation. Reclamation's role in the program includes providing technical advice, review, and significant documentation and presentation support. 83,000

Settlement Costs - Makes final payment of settlement costs for *Sumner Peck Ranch, Inc., et al vs. Bureau of Reclamation, et al.* 34,000,000

Subtotal, Water and Energy Management and Development **\$40,899,000**

Land Management and Development - Continues day-to-day land management activities, complying with and administering laws and regulations, execution of agreements, contracts, outgrants or other agreements for the use and management of lands, and the protection of recreation facilities and land resources. Continues land management activities associated with the hazardous materials program, which includes handling, storage, and disposal. **350,000**

Fish and Wildlife Management and Development - Continues the endangered species conservation program to meet the habitat needs of special status species. Continues implementation of Biological Opinions for interim and long-term contract renewal, to ensure compliance with the Endangered Species Act of 1973, as amended. Continues pest management activities performed on, in or around the San Luis Canal. **235,000**

Facility Operations -

San Luis Joint-Use Facilities (O&M) - Continues operation and maintenance activities for the San Luis joint-use facilities, which includes the San Luis Dam and Reservoir, Gianelli Pumping/Generating Plant and switchyard, as agreed to in the Joint-Use Agreement with the California State Department of Water Resources. 6,015,000

Deficiencies in Cost Recovery for Authorities - Continues Reclamation's obligation to assure cost for the operation, maintenance and replacement of the conveyance pumping facilities on the San Luis and Delta-Mendota Canals; Tracy Pumping and O'Neill Forebay, Los Banos Creek Detention and Little Panoche Creek Detention Dams are reimbursed to the San Luis Delta-Mendota Water Authority (Authority) in accordance with Service Contract between the Authority and Reclamation. The increase is based on the anticipated estimate of revenue deficiency from the Authority. 1,379,000

Kesterson Reservoir - Continues the monitoring and evaluation at Kesterson Reservoir, complying with applicable State and regional board orders relative to the former reservoir. 352,000

Weed Control - Continues the program to control or eradicate aquatic weeds, including hydrilla. 12,000

Subtotal, Facility Operations **7,758,000**

Facility Maintenance and Rehabilitation - Continues structural monitoring in order to maintain the reliability and integrity of the O'Neill Pumping/Generating Plant. **8,000**

Reclamation Request **\$49,250,000**

SEE APPENDIX FOR: Benefit Cost Ratios as of October 1, 2004
 Land Certification
 Obligations by Function for Operating Projects
 Project Repayment FY 2005
 Status of NEPA Compliance
 Status of Water Service and Repayment Contracts
 Summary of Irrigation Investment

CVP, Yield Feasibility Investigation

LOCATION: Central Valley, Sacramento and San Joaquin River Basins.

DESCRIPTION/JUSTIFICATION: The Least-Cost CVP Yield Increase Plan submitted to Congress in July 1996 identifies options to increase the yield of the CVP. These water supply and demand reduction options include land fallowing, conservation, modified operations, conjunctive use, water reuse, surface storage, conveyance, and other options. Because of the effects of dedicated CVP yield for fish and wildlife purposes under the CVP Improvement Act, San Francisco Bay-Delta water quality standards, and Endangered Species Act requirements, there is a need to improve water supply flexibility north and south of the Delta, and the water quality and water supply needs of the Delta. This includes water supply replacement, conservation, transfers, and other efficiency measures, which will minimize adverse effects upon the existing CVP water contractors incurred as the result of the dedication of the 800,000 acre-feet of Project yield as required by the CVPIA. In collaboration with CALFED's Bay-Delta activities, alternatives will be developed and evaluated.

AUTHORIZATION: P.L. 102-575, Title XXXIV, Sec. 3408(j), Central Valley Project Improvement Act of 1992, October 30, 1992 (CVPIA).

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004	FY 2005
Water and Energy Management and Development	\$1,002,517	\$500,000
Total Program	\$1,002,517	\$500,000
Prior Year Funds	(2,517)	0
Enacted/Request	\$1,000,000	\$500,000
Underfinancing	(96,000)	0
Rescission (H.R. 2673)	(5,000)	0
Total Reclamation Allotment	\$899,000	\$500,000

COST-SHARING: Federal funding of the investigation would be 100 percent. Should projects be constructed, we anticipate that costs of the study will be part of the overall cost-share package subject to repayment by beneficiaries. The results of the investigation will include recommendations on appropriate cost-sharing by non-federal partners for implementation.

WORK PROPOSED FOR FY 2005:

Water and Energy Management and Development - Continues work on water supply benefit and cost allocation strategy for water supply projects considered under the CVP Yield Program and other initiatives. Continues the coordination and technical studies necessary to ensure CVP yield benefits are effectively evaluated during feasibility investigations for water supply opportunities identified in the Water Supply Improvement Plan. Continues Reclamation's participation in conjunctive use and groundwater banking opportunities, and investigation of other options for improving water supply reliability through coordination with Federal and State Agencies, water and irrigation districts, municipalities, environmental groups, and other stakeholders.

Begins and continues various Integrated Resources Planning efforts to address water management issues and opportunities in the various geographic regions of the CVP. The outcome will be planning reports and technical memoranda to support Congressional authorization and/or appropriations. **\$500,000**

Reclamation Request

\$500,000

Endangered Species Recovery Implementation

LOCATION: Central Valley, Sacramento and San Joaquin River Basins.

DESCRIPTION/JUSTIFICATION: This program provides for the Central Valley Project Conservation Program. This Program is one of a number of programs initiated as part of an effort by the Bureau of Reclamation and the Fish and Wildlife Service to address impacts on listed species which have resulted from past and continuing actions related to the operation and maintenance of the Central Valley Project (CVP), implementation of the Central Valley Project Improvement Act, Endangered Species Act-Section 7(a)(1) activities, and other related issues. The Program uses a pro-active approach to develop and implement measures that directly address conservation needs of endangered and threatened species and critical habitat.

AUTHORIZATION: P. L. 93-205, Endangered Species Act of 1973, Section 7(a)(1), December 28, 1973, as amended; P.L. 102-575, Title XXXIV, Central Valley Project Improvement Act of 1992, October 30, 1992.

COMPLETION DATA: Not applicable. This is an ongoing program that will continue as long as conservation measures are needed.

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004	FY 2005
Fish and Wildlife Management and Development	\$1,584,000	\$2,135,000
Total Program	\$1,584,000	\$2,135,000
Prior Year Funds	0	0
Enacted/Request	\$1,584,000	\$2,135,000
Underfinancing	(152,000)	0
Rescission (H.R. 2673)	(3,000)	0
Total Reclamation Allotment	\$1,429,000	\$2,135,000

WORK PROPOSED FOR FY 2005:

Fish and Wildlife Management and Development - Continues restoration, management, and various surveys for endangered and threatened species and critical habitat in areas affected by the CVP. Continues acquisition of fee title or conservation easement of riparian, vernal pool, chaparral, and alkali scrub habitat. Continues a captive reproduction facility to breed and reintroduce riparian brush rabbits. Additionally, management plans will be developed using results of long-term surveys for listed species. The increase reflects the region's commitment to managing critical habitat within the CVP in an environmentally responsible manner. **\$2,135,000**

Reclamation Request

\$2,135,000

Klamath Project

LOCATION: The Klamath Project (Project) is located on the Oregon-California border in Oregon's Klamath County and California's Siskiyou and Modoc Counties.

DESCRIPTION/JUSTIFICATION: This project includes: Clear Lake Dam and Reservoir, a reinforced concrete structure with a height of 42 feet, a crest length of 840 feet, and a capacity of 527,000 acre- feet; Gerber Dam and Reservoir, a concrete arch structure 84.5 feet in height, a crest length of 485 feet, and a capacity of 94,000 acre-feet; Link River Dam, a reinforced concrete slab structure 22-feet high, a crest length of 435 feet, and a capacity of 873,000 acre-feet; Lost River Diversion Dam, a horseshoe shaped, multiple-arch concrete structure 42-feet high, and a crest length of 675 feet; Anderson-Rose Dam, a reinforced concrete slab and buttress structure with a height of 23 feet and a crest length of 324 feet; Malone Diversion Dam, an earth embankment with a concrete gate structure with a height of 32 feet and a crest length of 515 feet; Miller Diversion Dam, a concrete weir, removable crest, and earth embankment wing structure with a height of 10 feet and a crest length of 290 feet; and the eight-mile-long Lost River Diversion Channel which carries excess water to the Klamath River and supplies additional irrigation water for the reclaimed lake bed of Tule Lake by reverse flow from the Klamath River; two tunnels; 37 pumping plants; 185 miles of canals; and over 728 miles of drains, including the Klamath Straits Drain, which provides irrigation water to approximately 225,000 acres and reduces flows into the reclaimed portions of Tule Lake and the restricted Tule Lake sumps in the Tule Lake National Wildlife Refuge.

Reclamation operates the Klamath Project to meet multiple obligations including providing water for irrigation and wildlife refuges, avoiding jeopardy to endangered and threatened species, and meeting tribal trust obligations.

AUTHORIZATION: The Reclamation Act of 1902, (32 Stat. 388) dated June 17, 1902; P.L.104-208, Oregon Resource Conservation Act of 1996, September 30, 1996; and P.L. 106-498, Klamath Basin Water Supply Enhancement Act of 2000, November 9, 2000.

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004	FY 2005
Water and Energy Management and Development	\$9,515,392	\$13,551,000
Land Management and Development	646,970	586,000
Fish and Wildlife Management and Development	11,939,434	10,054,000
Facility Operations	3,511,072	944,000
Total Program	\$25,612,868	\$25,135,000
Prior Year Funds	(60,868)	0
Non-Federal	(135,000)	(135,000)
Enacted/Request	\$25,417,000	\$25,000,000
Underfinancing	(2,184,000)	0
Rescission (H.R. 2673)	(137,000)	0
Total Reclamation Allotment	\$23,096,000	\$25,000,000

WORK PROPOSED FOR FY 2005:

Water and Energy Management and Development -

Water Resource Initiatives - Continues studies authorized under the Water Resource Initiative and the Water Supply Enhancement Act (P.L. 106-498) to identify options for increasing water supplies and improving water quality in the Klamath River Basin. The initiative identified 96 options and recommended 44 for further study. Continues developing and implementing a water bank for the Klamath Project. Continues increasing quantity of water available for endangered fish species, while improving water quality at the same time. Actions such as increasing water storage will result in water bank water being available when it is most beneficial to the fish. Increase is due to environmental compliance for studies near completion, and the continuation of studies still underway.

\$12,163,000

Water Conservation - Continues coordination and assistance to water users to improve on-farm and delivery system efficiencies. These studies will identify water distribution problems and identify opportunities for water savings. Increase is due to increase in financial assistance and agreements to improve efficiency of irrigation and decrease water loss through the canal conveyance systems.

609,000

Klamath Project Operations Planning - Continues development of an operations plan to guide the Project until the adjudication of water rights is completed by the State of Oregon. The plan will include guiding principles for water uses, Endangered Species Act with National Environmental Policy Act compliance, furthering Indian trust obligations and meeting irrigation contracts. Increase is due to Clean Water Act requirements such as, participation in estimating of Total Maximum Daily Load.

393,000

Water Rights Administration - Continues participation in the adjudication. The State of Oregon is adjudicating the Klamath River system. Increase is due to funding needed for private consulting and expert witness services for water rights adjudication and contests to Reclamation claims.

363,000

Water Quality Monitoring - Continues water quality monitoring and quality assurance programs. Programs include coordination of laboratory services, preparation of samples, data validation, data management, and summary reports.

23,000

Subtotal, Water and Energy Management and Development

\$13,551,000

Land Management and Development -

Land Management/Inventory/Disposal - Continues Reclamation's management of nearly 30,000 acres of land. Approximately 1,200 miles of federally-owned rights-of-way are managed to control trespass and usage. The land which includes farmland, is leased, and generates nearly \$2 million of income that is returned to the Reclamation Fund. Continues to review lands owned by the United States for trespass and compliance with hazardous materials law and regulations.

586,000

Fish and Wildlife Management and Development -

Endangered Species Act (ESA) Recovery Implementation - Continues incorporating implementation of specific projects following research and monitoring studies. Moves forward on implementation of a conservation implementation program as required as a reasonable and prudent alternative in the National Oceanic and Atmospheric Administration Fisheries Jeopardy Biological Opinion issued May 31, 2002, to establish and administer a multi-agency cooperative effort by coordinating and facilitating the recovery of endangered and threatened fish within the Klamath Basin while balancing and accommodating water resource development for human use. Increase is due to the inclusion of restoration projects to include development for lake and river restoration, wetlands development, fish and wildlife enhancement, watershed erosion stabilization, and water quality issues. 7,842,000

ESA Compliance Research, Monitoring and Evaluation - Continues ESA compliance activities required or recommended by Biological and Conference Opinions (suckers, lease lands, bald eagle, coho, Mt. Province steelhead). This activity relates to research and monitoring studies within the Klamath Basin. These will include studies related to Project reservoirs, Klamath River, and four national wildlife refuges that are affected by the Project. 2,117,000

Native American Affairs - Continues government to government coordination to meet Reclamation tribal trust responsibilities as a result of existing treaties. 95,000

Subtotal, Fish and Wildlife Management and Development **10,054,000**

Facility Operations -

A-Canal Screen Operation and Maintenance - Continues operation and maintenance of the A-Canal headworks, which includes the fish screen. Due to an accelerated construction schedule, funding for operation and maintenance of the A-Canal headworks was not requested. This activity was previously funded from another source in FY 2004. 131,000

Agency Lake Ranch Operation and Maintenance - Continues operation and maintenance of facility. Increase is due to additional staffing and associated costs. 84,000

Reserved Works - Continues routine operation and preventive maintenance and repairs of Gerber, Clear Lake, Link River, and Wilson-Lost River Diversion Dams, Lost River Improved Channels, P-Canal System, Pumping Plants and the Klamath Straits Drain System. The decrease is due to FY 2004 including reimbursement of operation and maintenance expenses incurred by those who did not receive project water and in FY 2005, it does not. 278,000

Lease Land Operations - Continues operations for the delivery of irrigation water and maintenance of systems. Facilities located in lease Area K must be maintained and water and drainage service provided to these project lands. Lands are located within the refuge and are important for refuge waterfowl and farm income. 451,000
Non-Federal (135,000)
316,000

Subtotal, Facility Operations **809,000**

Reclamation Request \$25,000,000

SEE APPENDIX FOR: Obligations by Function for Operating Projects

Lahontan Basin Project (Humboldt, Newlands and Washoe Projects)

LOCATION: The Lahontan Basin Project (Project) is located in western Nevada, in the counties of Churchill, Washoe, Storey, Douglas and Lyon and in east-central California in Alpine, Sierra, Nevada, Placer, and El Dorado Counties.

DESCRIPTION/JUSTIFICATION: This project includes the Humboldt, Newlands, and Washoe Projects. The Lahontan Basin Project includes: Lahontan Dam and Reservoir, a zoned earthfill structure 162 feet high and a storage capacity of 295,000 acre-feet; Lake Tahoe Dam, a 18-foot-high concrete slab and buttress structure with 17 vertical gates and a reservoir capacity of 732,000 acre feet; Derby Diversion Dam, a concrete structure 31 feet high; Lahontan Powerplant, with a capacity of 1,920 kilowatts; a Canal, Distribution and Drainage System, 68.5 miles of canals with a combined diversion capacity of 2,000 cubic feet per second, 312 miles of laterals, and a drainage system of about 345 miles of deep, open drains; and Rye Patch Dam and Reservoir, an earthfill, rock-faced embankment with a structural height of 78 feet and a crest length of 1,074 feet. The dam was complete and began storing water in 1936. The reservoir is 21 miles long and has a capacity of 213,000 acre-feet.

The Project also includes Prosser Creek Dam and Reservoir, a zoned earthfill structure 163 feet high and 1,830 feet long with a storage capacity of 30,000 acre-feet; Marble Bluff Dam, a zoned earthfill diversion dam with a height of 35 feet and a crest length of 1,622 feet; Pyramid Lake Fishway, extending from Marble Bluff Dam about 3 miles to Pyramid Lake; Stampede Dam, Reservoir, and Powerplant, a zoned-earthfill structure with a height of 239 feet, a crest length of 1,511 feet, storage capacity of 226,500 acre-feet, and a generating capacity of 3,650 kilowatts and annual generation of 6.2 gigawatt-hours; and Boca Dam and Reservoir, a zoned-earthfill structure with a height of 116 feet and a crest length of 1,629 feet, and a storage capacity of 41,000 acre-feet.

As a result of threatened and endangered species, the principal storage reservoir, Stampede Dam, is being operated to meet flood control and instream flow requirements to protect fish in the lower Truckee River and Pyramid Lake. The Washoe Project was designed to improve the regulation of runoff of the Truckee River system and to provide supplemental irrigation and drainage for presently irrigated lands, as well as water for municipal and industrial use, flood protection, fish and wildlife benefits, and recreation. Flows are also regulated for such purposes as power production and fishery improvement.

AUTHORIZATION: The Reclamation Act of 1902, June 17, 1902 (authorized by the Secretary of the Interior on March 14, 1903); P.L. 69-284, The Omnibus Adjustment Act, May 25, 1926; P.L. 84-858, The Washoe Project Act, August 1, 1956, as amended by P.L. 85-706, August 21, 1958; and P.L. 101-618, The Fallon-Paiute Shoshone Indian Tribes Water Rights Settlement Act of 1990, Title I and Title II, Truckee-Carlson-Pyramid Lake and Water Rights Settlement Act, November 16, 1990 (Authority to construct facilities of the Watasheamu Division was deauthorized by P.L. 101-618).

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004	FY 2005
Water and Energy Management and Development	\$3,717,148	\$3,427,000
Land Management and Development	1,971,286	1,538,000
Fish and Wildlife Management and Development	1,012,013	1,510,000
Facility Operations	1,770,400	1,828,000
Facility Maintenance and Rehabilitation	678,673	16,000
Total Program	\$9,149,520	\$8,319,000
Prior Year Funds	(236,520)	0
Enacted/Request	\$8,913,000	\$8,319,000
Underfinancing	(670,000)	0
Rescission (H.R. 2673)	(49,000)	0
Total Reclamation Allotment	\$8,194,000	\$8,319,000

WORK PROPOSED FOR FY 2005:**Water and Energy Management and Development -**

Operating Criteria and Procedures (OCAP) Compliance - Continues OCAP for the Newlands Project to minimize the use of the Truckee River and maximize the use of the Carson River. Implementation includes: verifying that only water-righted lands are irrigated, confirming that water rights acquired for the wetlands are eligible for transfer, and determining when the Truckee-Carson Irrigation District is eligible to divert Truckee River water to the Project. This water conservation effort provides substantial benefits for the threatened and endangered fish species in the lower Truckee River and Pyramid Lake, which is located within the Pyramid Lake Indian Reservation. \$1,179,000

Truckee River Operating Agreement (TROA) - Continues to implement TROA for storage of non-project water in Reclamation reservoirs conditional upon dam safety and flood control requirements, enhanced spawning flows on the Truckee River, implementation of the Preliminary Settlement Agreement and mitigation plan, satisfying existing water rights, and minimizing operation and maintenance costs for Stampede Reservoir. 1,451,000

Water Conservation Field Services Program - Continues cost sharing and grant programs to encourage water conservation efforts on Newlands, Truckee, and Humboldt projects. 519,000

Contract Administration - Continues to provide contract administration for the United States of America and Truckee-Carson Irrigation District. 203,000

Fallon Indian Reservation Isolation and Assistance/Bench and Bottom Appeal - Continues the investigation of all facilities on the Fallon Paiute-Shoshone Tribe Reservation, and inventory of facilities, to improve conveyance efficiency on the reservation. Continues to provide recommendations to the Federal Water Master on appeals, filed by landowners, for maximum application of irrigation water. 75,000

Subtotal, Water and Energy Management and Development **\$3,427,000**

Land Management and Development -

Land Management - Continues the administration of land use agreements including monitoring and establishing storage contracts, grazing leases, and utility crossings. Funds will also be used to identify Reclamation lands that are determined to be in trespass and undertake activities necessary to restore withdrawn lands to public domain. 411,000

Noxious Weed Control - Continues eradication of noxious weeds on Reclamation withdrawn lands, acquired lands, and easements, which began in fiscal year 2003. This activity was not funded in fiscal year 2004. 330,000

Geographic Information System (GIS) - Continues to update maps and records of Reclamation facilities, lands, and rights-of-way in a GIS database. 306,000

Hazardous Waste Management/Lands Inventory/Removal and Disposal - Continues to inventory Newlands Project lands and rights-of-way to assure project lands are in compliance with Federal, State, and local hazardous waste laws and regulations, and removal/disposal activities of Reclamation withdrawn land. 251,000

Humboldt Project Resource Management - Continues a Resource Management Plan/Environmental Impact Study (RMP/EIS) for the Humboldt Project. RMP/EIS will establish guidelines for the use, development, protection, enhancement and management of the lands and associated water resources. Areas to be addressed include 32,000 acres of withdrawn land in the Humboldt Sink and 18,000 acres along the perimeter of and under Rye Patch Reservoir. 240,000

Subtotal, Land Management and Development **1,538,000**

Fish and Wildlife Management and Development -

Fish Conveyance Including Fish Screens at Derby Dam - Continues construction of fish passage facilities, including fish screens, around Derby Diversion Dam. Restores access to spawning areas and habitat in the Truckee River upstream from the dam. The reference in the FY 2004 Justifications stated that this program was to be completed in FY 2004, which was incorrect. **1,510,000**

Facility Operations -

Oversight of Water Conveyance - Continues oversight of the Newlands Project water conveyance system to insure compliance with the operation and maintenance (O&M) agreement with the Truckee-Carson Irrigation District, oversight of water conveyance systems, O&M of irrigation systems and drainage systems, and oversight of delivery and drainage system for the Fallon Indian Reservation. 364,000

Stampede Dam and Reservoir - Continues operation and maintenance of the dam. It provides storage of fisheries water dedicated to recovering the endangered Cui-ui fish and the threatened Lahontan Cutthroat trout. Continues to provide flood control storage, storage of municipal and industrial drought protection water for Reno and Sparks, and reservoir-based fisheries and recreation benefits. 310,000

Stampede Powerplant - Continues operation and maintenance of the powerplant. The powerplant provides power for the operation of project works including the Lahontan National Fish Hatchery and Marble Bluff Dam and Fishway. 222,000

Lahontan Basin Project

Prosser Creek Dam - Continues operation and maintenance of the dam. The Dam provides flood control storage, storage of water for the benefit of the endangered Cui-ui fish and Lahontan Cutthroat trout, and reservoir based fisheries and recreation benefits. 195,000

Water Measurement and Gaging Program - Continues to operate and maintain water-gaging stations and make current meter measurements in support of the Adjusted Operating Criteria and Procedures for Newlands Project. 194,000

Lake Tahoe Dam - Continues operation and maintenance of the dam. The dam regulates the outflow of Lake Tahoe to the Truckee River. 193,000

Marble Bluff Fish Facility - Continues operation and annual maintenance of the Marble Bluff Fish Facility located adjacent to Marble Bluff Dam. 126,000

Security - Continues designs of the security improvements identified for Newlands Project, Humboldt Project, Truckee Storage and Washoe projects. 117,000

Marble Bluff Dam - Continues operation and maintenance of Marble Bluff Dam. Provides spawning passage for the endangered Cui-ui fish and threatened Lahontan Cutthroat trout residing in Pyramid Lake. 107,000

Subtotal, Facility Operations **1,828,000**

Facilities Maintenance and Rehabilitation -

Review and Guidance - Continues examination of facilities and appurtenances, bridge inspection, dam operator training, underwater inspections, instrumentation of facilities and post earthquake inspections. **16,000**

Reclamation Request **\$8,319,000**

SEE APPENDIX FOR: Obligations by Function for Operating Projects

Orland Project

LOCATION: The Orland Project is located in north-central California, approximately 100 miles north of Sacramento in Colusa, Glenn, and Tehama counties.

DESCRIPTION/JUSTIFICATION: This project includes East Park Dam and Reservoir, a concrete thick-arch structure with a height of 139 feet, a crest length of 266 feet, and a storage capacity of 51,000 acre-feet; Stony Gorge Dam and Reservoir, a concrete slab and buttress structure, 139 feet high, a crest length of 868 feet, and a storage capacity of 50,000 acre-feet; Rainbow Diversion Dam and Feeder Canal, a concrete arch structure with a height of 44 feet and a crest length of 271 feet; Northside Diversion Dam, a concrete gravity structure with a height of 15 feet and a crest length of 375 feet; and a Canal and Distribution System, including 16.9 miles of canals and 139 miles of laterals. Project irrigation works are operated and maintained by the Orland Unit Water Users Association. The Bureau of Reclamation operates and maintains recreational facilities at Stony Gorge and East Park Reservoirs. This project provides full irrigation service to approximately 20,000 acres with supplemental recreational benefits.

AUTHORIZATION: The Reclamation Act of 1902, June 17, 1902 (authorized by the Secretary of the Interior on October 5, 1907).

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004	FY 2005
Water and Energy Management and Development	\$45,000	\$40,000
Land Management and Development	384	0
Facility Operations	375,000	372,000
Facility Maintenance and Rehabilitation	70,000	175,000
Total Program	\$490,384	\$587,000
Prior Year Funds	(4,384)	0
Enacted/Request	\$486,000	\$587,000
Underfinancing	(13,000)	0
Rescission (H.R. 2673)	(3,000)	0
Total Reclamation Allotment	\$470,000	\$587,000

WORK PROPOSED FOR FY 2005:

Water and Energy Management and Development - Continues efforts under the Water Conservation Field Services Program. **\$40,000**

Facility Operations - Continues day-to-day management of recreation facilities, wildlife refuges, and delivery of water for irrigation at Stony Gorge and East Park reservoirs. **372,000**

Facility Maintenance and Rehabilitation - Continues to provide for replacement of picnic tables, buoy lines, vehicle barriers, and road gravel on an as needed basis. Increase will help to support recreation, health and safety standards at East Park and Stony Gorge reservoirs. **175,000**

Reclamation Request **\$587,000**

SEE APPENDIX FOR: Obligations by Function for Operating Projects

Solano Project

LOCATION: The Solano Project is located in north-central California, approximately 30 miles west of Sacramento, in Napa and Solano counties.

DESCRIPTION/JUSTIFICATION: The principal features and facilities of this project include Monticello Dam and Reservoir (Lake Berryessa), a concrete structure with a height of 304 feet above the foundation, a crest length of 1,023 feet, and a storage capacity of 1,602,000 acre-feet; Putah Diversion Dam, a gated concrete weir structure with an earthfill embankment wing 29 feet high and a crest length of 910 feet; the 32.3-mile Putah South Canal with a diversion capacity of 956 cubic feet per second and a terminal capacity of 116 cubic feet per second; Terminal Dam and Reservoir, a compacted earthfill structure 24 feet high and a crest length of 870 feet with a capacity of 119 acre-feet; Green Valley Conduit, a high-pressure concrete pipeline ranging in size from 27 inches down to 18 inches in diameter that extends 8,400 feet from the Putah South Canal into Green Valley; and various Distribution Systems built by local districts. The canals and pipelines are operated and maintained by the Solano Irrigation District with funding provided by Reclamation. All other facilities are operated and maintained by Reclamation. The project was designed to irrigate approximately 96,000 acres of land. The project also furnishes municipal and industrial water to the principal cities of Solano County. Recreational opportunities are available at seven resorts operated by private entities.

AUTHORIZATION: P.L. 76-260, Reclamation Project Act of 1939.

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004	FY 2005
Water and Energy Management and Development	\$363,432	\$374,000
Land Management and Development	963,497	999,000
Fish and Wildlife Management and Development	196,286	203,000
Facility Operations	1,552,112	1,556,000
Facility Maintenance and Rehabilitation	1,141,481	1,121,000
Total Program	\$4,216,808	\$4,253,000
Prior Year Funds	(1,808)	0
Enacted/Request	\$4,215,000	\$4,253,000
Underfinancing	(202,000)	0
Rescission (H.R. 2673)	(24,000)	0
Total Reclamation Allotment	\$3,989,000	\$4,253,000

WORK PROPOSED FOR FY 2005:

Water and Energy Management and Development - Continues administration of water rights and water marketing activities such as administering contracts, agreements, developing standards, and National Environmental Policy Act compliance. Continues water quality monitoring, water conservation activities, and energy conservation planning. **\$374,000**

Land Management and Development - Continues management of the recreation area at Lake Berryessa, compliance to hazardous materials handling and clean-up laws, realty actions, unauthorized use of land activities, land management and planning, structures inventory, and concession oversight. **999,000**

Fish and Wildlife Management and Development - Continues the management, protection, and habitat enhancement for terrestrial and aquatic wildlife species, and provides protective measures for special status species. Continues funding for Endangered Species Act compliance. **203,000**

Facility Operations - Continues ongoing infrastructure support, service contract renewals, and resource management of the Lake Berryessa recreation facilities, and management oversight of Monticello Dam, Putah Diversion Dam, Putah South Canal, and Terminal Dam and Reservoir. **1,556,000**

Facility Maintenance and Rehabilitation -

Oak Shores Rehabilitation and Sewage Lift Stations - Continues replacement of Oak Shores and the Administrative compound nine sewage lift stations, rehabilitation of Oak Shores restrooms, and retrofitting restrooms to meet the Americans Disability Act compliance initiatives.

\$430,000

Capell Launch Site Rehabilitation - Continues repair and/or upgrade of several items at the Capell Cove boat launch site. Includes upgrades to the water system to provide potable water to public, addition of a second launch ramp and repairs to the parking lot. This activity was scheduled for completion in FY 2004, but due to additional requirements this activity is continuing. 318,000

Visitor Center Remodel - Continues remodeling of the existing Lake Berryessa visitor center/park ranger offices to provide quality visitor services. Increase is to begin construction. FY 2004 funding was for planning and design. 200,000

Accessibility Corrective Maintenance - Continues facility modifications to meet Federal accessibility standards. Decrease is due to a reduction in available funding. 125,000

Lake Berryessa Water Treatment Plant Replacement - Continues replacement of the existing water treatment plant at Lake Berryessa. This activity was scheduled for completion in FY 2004, but due to additional requirements this activity is continuing. 30,000

Facility Examinations - Continues periodic facility examinations. 18,000

Subtotal, Facility Maintenance and Rehabilitation **1,121,000**

Reclamation Request **\$4,253,000**

SEE APPENDIX FOR: Obligations by Function for Operating Projects

Ventura River Project

LOCATION: The Ventura River Project (Project) is located in southern California about 60 miles northwest of Los Angeles.

DESCRIPTION/JUSTIFICATION: The Project comprises a storage reservoir on Coyote Creek, a diversion dam on the Ventura River, a canal to carry water from the diversion dam to the reservoir, and a high-pressure pipeline distribution system. The distribution system has pumping plants and balancing reservoirs to distribute the water from Lake Casitas to the various areas within the project for irrigation, municipal and industrial uses. Use of waters from Matilija Dam built by Ventura County and placed in operation in 1948, is incorporated in the overall plan for operation of the project.

The principal Project works are Robles Diversion Dam on the Ventura River and Robles-Casitas Canal leading into Casitas Reservoir and Dam. The Casitas Dam is located on Coyote Creek about 2 miles above its junction with the Ventura River. The reservoir has a storage capacity of 252,000 acre-feet of water, which is used for irrigation and municipal and industrial water in areas of Ventura County. The Project is exclusively a water supply project and is not authorized to serve other purposes as flood control or power generation. Casitas Dam and Reservoir are operated and maintained by Casitas Municipal Water District. Project facilities also are operated to provide recreation benefits.

AUTHORIZATION: The Project was authorized by an act of Congress (P.L. 423, 84th Congress, 2nd session) approved March 1, 1956.

SUMMARIZED FINANCIAL DATA

Program Financial Data

Activity	FY 2004	FY 2005
Water and Energy Management and Development	\$18,000	\$12,000
Land Management and Development	511,392	512,000
Facility Operations	5,130	0
Total Program	\$534,522	\$524,000
Prior Year Funds	(5,522)	0
Enacted/Request	\$529,000	\$524,000
Underfinancing	(51,000)	0
Rescission (H.R. 2673)	(3,000)	0
Total Reclamation Allotment	\$475,000	\$524,000

WORK PROPOSED FOR 2005:

Water and Energy Management and Development - Continues Reclamation's responsibility for the administration of water service, repayment, exchange, water rights settlement contracts, and the equitable allocation and distribution of water for completing uses. Continues preparation of a National Environmental Policy Act analysis and evaluation of effects of modifications and operations. **\$12,000**

Land Management and Development - Continues Reclamation's responsibility to acquire and administer the Casitas Open Space Lands for the protection of the watershed and water quality; manage project lands for recreation, wildlife habitat, preparation of resource management plan and other land use compliance activities. **512,000**

Reclamation Request **\$524,000**

SEE APPENDIX FOR: Obligations by Function for Operating Projects