

San Joaquin River Exchange Contractors Water Authority

California Water Commission

November 20, 2013



Background of the Exchange Contractors

- The SJRECWA is a Joint Powers Authority that was formed in 1992, its members include:
 - Central California Irrigation District (145,000 ac)
 - Columbia Canal Company (16,000 ac)
 - Firebaugh Canal Water District (22,000 ac)
 - San Luis Canal Company (47,000 ac)
- Pre-1914 and Riparian Rights on the San Joaquin and Kings Rivers dating back to late 1870's
- Irrigate approximately 240,000 ac in 4-counties
- 840,000 acre feet – Normal Year, 650,000 acre feet - Critical Year

Third Parties

- The Exchange Contractors were not part of the litigation or settlement.
- We are described as “Third Parties” along with the SLDMWA, the San Joaquin River Tributaries and the San Joaquin River Resource Management Coalition.
- Our protections are contained the San Joaquin River Settlement Act (P.L. 111-11).

Goals

- Settling Parties Goals – Water Management & Restoration
- Exchange Contractors Goals – To **NOT** have unmitigated negative impacts to our landowners, water users, water rights or diversion facilities.

Update

- Our main points :
 - Protection of our Senior water rights, contracts, ability to divert water, and existing diversion facilities on the San Joaquin River.
 - Settlement Act Sec: 10004(d)(f)(g)(h)(j)
 - Protection for the lands adjacent to the San Joaquin River through mitigation measures for seepage impacts and levee stability.
 - Settlement Act Sec: 10004(d)(h)
 - Protection of existing flood control facilities and operations.
 - Settlement Act Sec: 10009(f)

Update

- Our main points :
 - Safe harbor from Endangered Species Act due to the implementation of the Settlement and the Act (PL 111-11)
 - Settlement Act Sec: 10011
 - Infrastructure projects that are called for in the settlement and the enabling legislation must have adequate, timely and reliable funding.
 - Settlement Act Sec: 10009
 - Funding is where the SJRRP and reality diverge

Table 1 – Phases, Schedule, and Costs in Millions for Core Actions

Action	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Program Staffing	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$78.00
U.S. Bureau of Reclamation														
U.S. Fish and Wildlife Service														
U.S. National Marine Fishery Service														
CA Department of Water Resources														
CA Department of Fish and Game														
Flow Actions														
Mitigation and Conservation Strategy	\$6.82	\$4.51	\$4.31	\$1.31	\$1.31	\$2.81	\$1.31	\$2.81	\$1.31	\$2.81	\$1.31	\$2.81	\$1.31	\$34.71
Millerton Lake Boat Ramps														
Conservation Strategy														
Invasive Species Control														
Channel Capacity Advisory Group														
Consultation on Increased Flows														
Programmatic Cultural Resources														
Flow Management and Monitoring	\$4.85	\$3.35	\$3.35	\$3.35	\$3.35	\$3.35	\$3.35	\$3.35	\$3.35	\$3.35	\$3.35	\$3.35	\$3.35	\$45.05
Stream Gage														
Acquire Water														
Bank or Store Water														
Physical and Biological Processes														
Seepage	\$7.00	\$1.94	\$9.20	\$5.07	\$6.11	\$6.60	\$6.60	\$6.60	\$6.60	\$6.60	\$6.60	\$4.88	\$4.88	\$78.67
300 cfs Conveyance														
700 cfs Conveyance														
1300 cfs Conveyance														
2000 cfs Conveyance														
4000 cfs Conveyance														
Channel and Structural Improvements	\$26.13	\$40.33	\$79.44	\$89.22	\$89.22	\$89.22	\$89.22	\$0.70	\$0.70	\$0.70	\$0.70	\$0.70	\$0.70	\$506.96
Chowchilla Bifurcation Structure														
San Joaquin River Control Structure														
Reach 2B Conveyance														
Mendota Pool Bypass														
Mendota Pool Fish Screen														
Arroyo Canal and Sack Dam														
Reach 4B Conveyance														
Eastside Bypass Control Structure														
Mariposa Bypass Control Structure														
Mariposa Bypass Drop Structure														
Salt and Mud Slough Area Barriers														
Fish Reintroduction	\$3.68	\$10.12	\$10.55	\$5.12	\$5.12	\$5.12	\$2.43	\$1.13	\$1.13	\$1.13	\$1.13	\$1.13	\$1.13	\$48.94
Conservation Hatchery														
Donor Stock Collection														
Monitoring of Source Streams														
Trap and Haul														
Water Management	\$12.52	\$16.85	\$20.85	\$20.85	\$9.77	\$9.77	\$4.77	\$0.77	\$0.77	\$0.77	\$0.77	\$0.77	\$0.77	\$100.00
Recapture and Recirculation Funding														
Friant-Kern and Madera Canal Capacity														
Part III Projects														
Sub-Total (without Levee Stability)	\$67.0	\$83.1	\$133.7	\$130.9	\$120.9	\$122.9	\$113.7	\$21.4	\$19.9	\$21.4	\$19.9	\$19.6	\$18.1	\$892.3
Levee Stability														
Levee Stability in 2A, 3, 4A, and 5	\$2.74	\$0.00	\$0.10	\$2.71	\$10.74	\$10.13	\$10.13	\$10.13	\$10.13	\$10.13	\$10.13	\$10.13	\$10.13	\$97.34
700 cfs Conveyance														
1300 cfs Conveyance														
2000 cfs Conveyance														
4000 cfs Conveyance														
Eastside Bypass Levee Stability	\$0.00	\$0.97	\$24.63	\$9.66	\$13.62	\$9.19	\$19.38	\$14.12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$91.57
700 cfs Conveyance														
1300 cfs Conveyance														
2000 cfs Conveyance														
2500 cfs Conveyance														
3500 cfs Conveyance														
4000 cfs Conveyance														
Formulation														
Final Design and Acquisition														
Construction														
Ongoing Operations and Maintenance														

Table 2 – Anticipated Total Funding Available to Implement the SJRRP through Fiscal Year 2025.

Funding Source	Total Anticipated Funding Available
San Joaquin River Restoration Fund	
Friant Capital Repayment (1)	\$245,149,000
Friant Surcharge (2)	\$89,356,000
Receipts from Sales of Water or Land (3)	\$21,552,000
Central Valley Project Restoration Fund (4)	\$45,000,000
New Federal Appropriations (5)	\$300,000,000
State Bond Funds	\$200,000,000
Total	\$892,056,000

Notes: For the purposes of this analysis, funding available includes funds authorized by Federal and State law. All of this funding, with the exception of \$88 million from the San Joaquin River Restoration Fund, is subject to further appropriation.

1. Estimated based on capital repayment to date, negotiated repayment contracts, and anticipated repayment amounts prior to negotiated repayment contracts along with anticipated amounts from the contractors that did not execute repayment contracts.
2. Assumes long-term average Class 1 and Class 2 water sales of 800,000 acre-feet. Includes actual collections from fiscal year 2010 and 2011. Future collections are estimated at \$5.6 million per year until fiscal year 2019, when they reduce to \$3.2 million per year (surcharge rate changes from \$7/acre-foot to \$4/acre-foot).
3. Assumes ramp-up of water sales over time to a long-term average of \$1.5 million collected per year.
4. Includes actual funding provided from fiscal year 2007 to fiscal year 2011 and an anticipated \$2 million from fiscal year 2012 to 2025.
5. Includes funding provided in Section 10009(b)(1) and Section 10203(c) of Public Law 111-11.

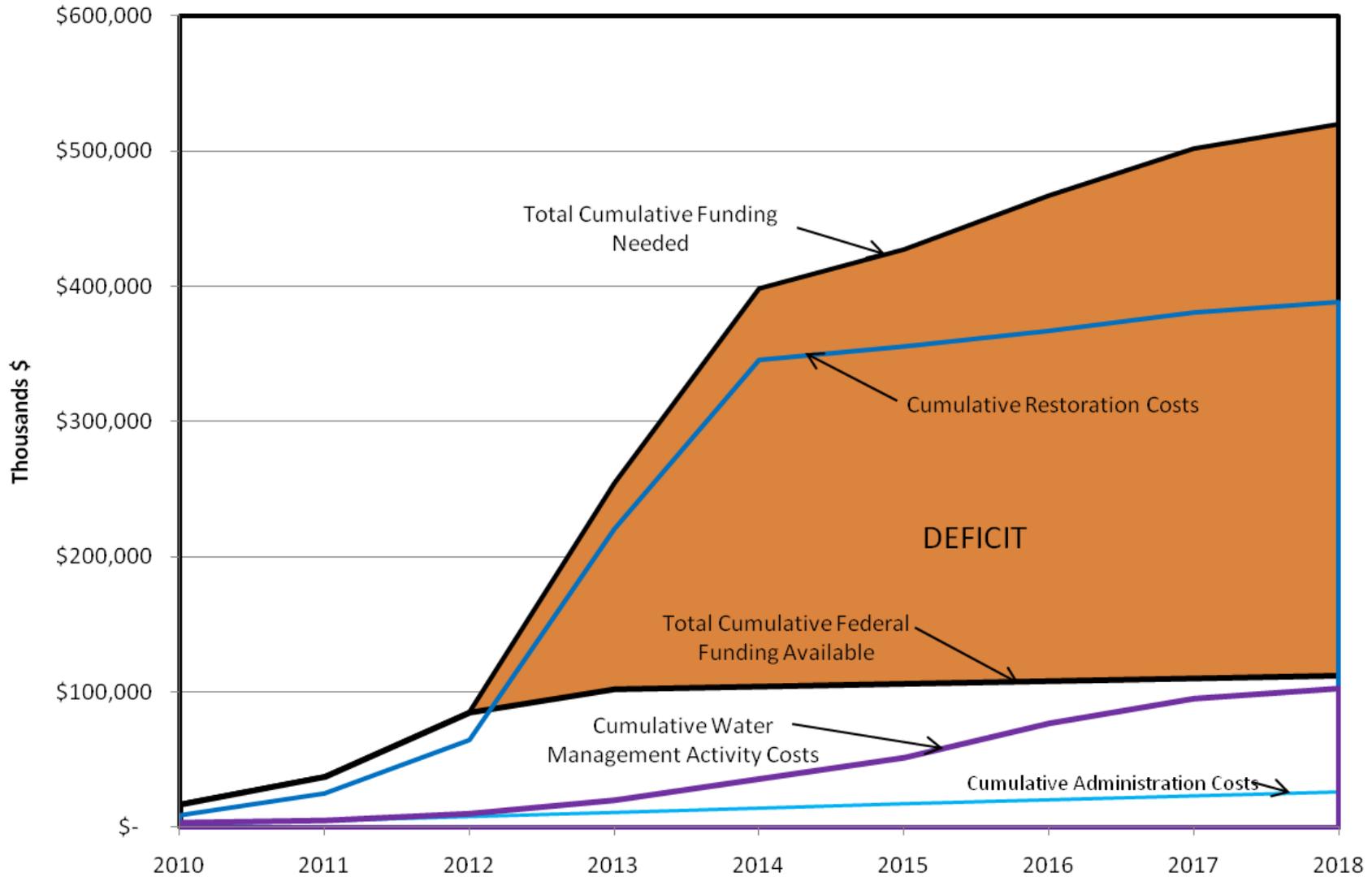
Table 3 – Funds Expended from Fiscal Year 2007 to Fiscal Year 2012 and Remaining Funds Available to Implement the SJRRP through Fiscal Year 2025

Funding Source	Total Anticipated Funding Available (1)	Expenditures from Fiscal Year 2007 to 2012 (2)	Remaining Funding Available
San Joaquin River Restoration Fund	\$347,057,000	\$20,147,000	\$326,910,000
Central Valley Project Restoration Fund	\$45,000,000	\$27,263,000	\$17,737,000
New Federal Appropriations	\$300,000,000	\$7,852,000	\$292,148,000
State Bond Funds	\$200,000,000	\$44,021,000	\$155,979,000
Total	\$892,057,000	\$99,283,000	\$792,774,000

Notes: For the purposes of this analysis, funding available includes funds authorized by Federal and State law. All of this funding, with the exception of \$88 million from the San Joaquin River Restoration Fund, is subject to further appropriation.

1. See notes in Table 1 for assumptions.
2. Fiscal Year 2007 to 2011 expenditures from *Approved, Obligated and Expended Funds, Fiscal Year 2007-2011, San Joaquin River Restoration Program*. Fiscal Year 2012 expenditures are estimated.

Cumulative Costs vs Funding



Note: Costs and funding are based on information provided by the United States Bureau of Reclamation (USBR). (In 2006 CH2M Hill estimated restoration costs at nearly double the USBR estimates.) Restoration costs shown do not include Settlement Paragraph 12 projects including increasing Reach 4B capacity to full 4500 cfs, nor do they include fisheries reintroduction activity costs.

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