

RECLAMATION

Managing Water in the West

FY 2017

President's Budget Stakeholders Briefing

February 9, 2016



U.S. Department of the Interior
Bureau of Reclamation

The FY 2017 budget continues to support Reclamation's mission.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Reclamation in the West

Reclamation's budget, in an era of fiscal constraint, continues to address the unprecedented challenges of climate change such as drought on our Western landscape, and supports our efforts to achieve progress on water supply certainty, sustainability, and resiliency, enhance economic growth and development, strengthen our infrastructure and engage the next generation.



Aerial views of the Colorado River in the upper end of Lake Mead (water level 1,097 ft.) and continuing to the delta of the lake at the lower end of the Grand Canyon.

Reclamation and the Economy

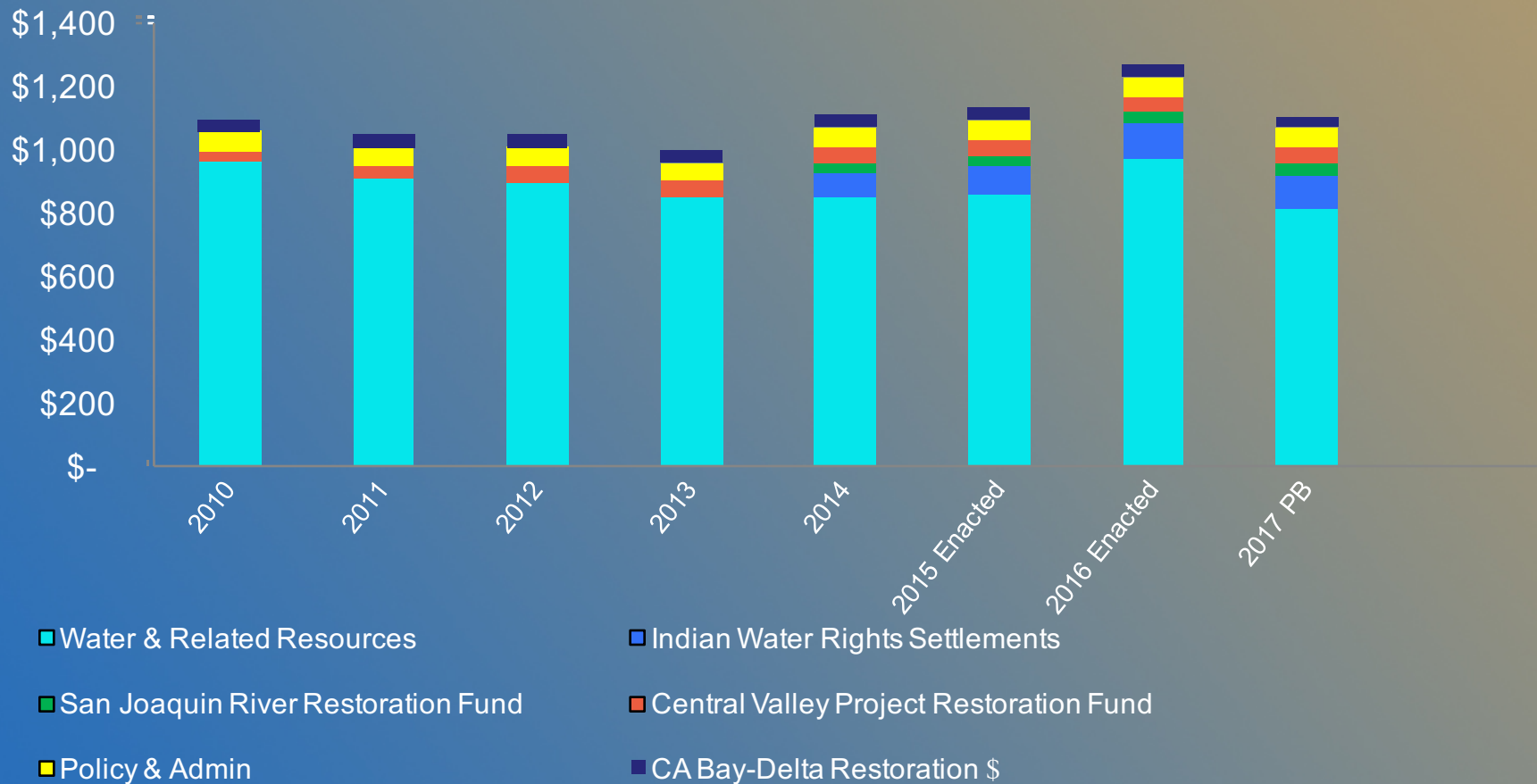
- **\$ DOI Economic Report 2014 (June 2015)**
 - **\$ Reclamation activities are estimated to contribute approximately \$48.4 billion in economic output, and support approximately 364,000 jobs annually.**
- **\$ Reclamation & Jobs**
 - **\$ Western economies are built on Reclamation water projects.**
 - **\$ Maintain and improve existing infrastructure**
 - **\$ Help develop and construct new infrastructure**
 - **\$ Environmental Restoration supports recreation based services**
 - **\$ Hydropower supports new energy initiatives (ancillary services)**
- **\$ Many of Reclamation's dollars leverage non-Federal dollars**
- **Reclamation's projects and programs are integral to rebuilding American infrastructure and supporting the Nation's long-term competitiveness. #**

FY 2017 Secretarial Initiatives and Other Top Priorities

- **Sustainable, Secure Water Supplies, Climate Change Resiliency #**
- **Ecosystem Restoration & America's Great Outdoors**
- **Indian Water Rights Settlements**
- **Building a Landscape Level Understanding**
- **Powering our Future**
- **Engaging the Next Generation**
- **California Water**
- **Colorado River**
- **Research and Development**
- **Infrastructure**

History of Appropriations

(in millions)



*Does not include Desert Terminal Lakes in 2014 (\$150M) \$

FY 2017 President's Budget

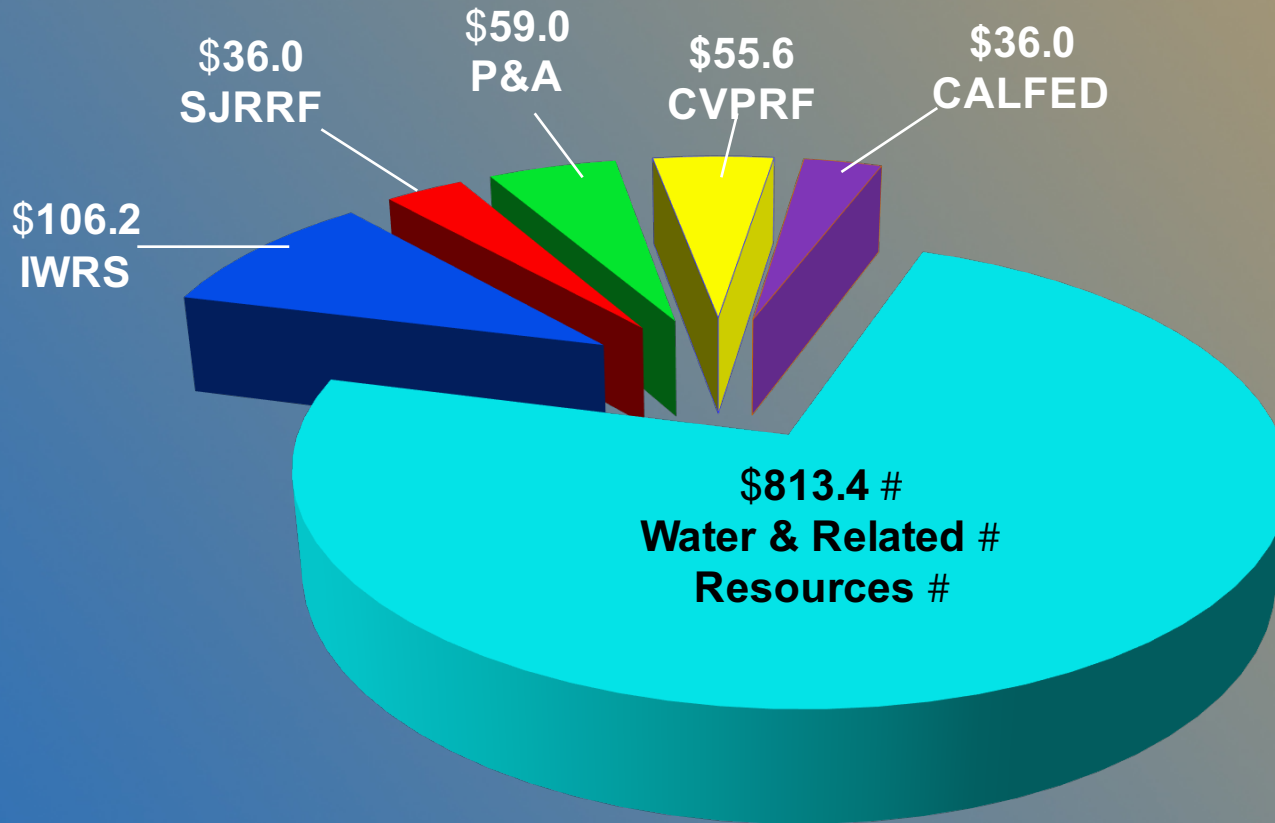
(in thousands)

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Appropriation	FY 2015 Enacted	FY 2016 Enacted	FY 2017 President's Budget
Water & Related Resources	978,131	1,118,972	813,402
San Joaquin River Restoration Fund	[32,000]	[35,000]	36,000
Indian Water Rights Settlements	[90,000]	[112,483]	106,151
Loan Program Rescission	(500)		
Subtotal:	977,631	1,118,972	955,553
Policy and Administration	58,500	59,500	59,000
California Bay-Delta	37,000	37,000	36,000
Central Valley Project Restoration Fund	56,995	49,528	55,606
Total: Gross Current Authority	1,130,126	1,265,000	1,106,159
CVP Restoration Fund Offset	(56,995)	(49,528)	(55,606)
Total: Net Current Authority	1,073,131	1,215,472	1,050,553

FY 2017 President's Budget

Total = \$1,106.2 (in millions)

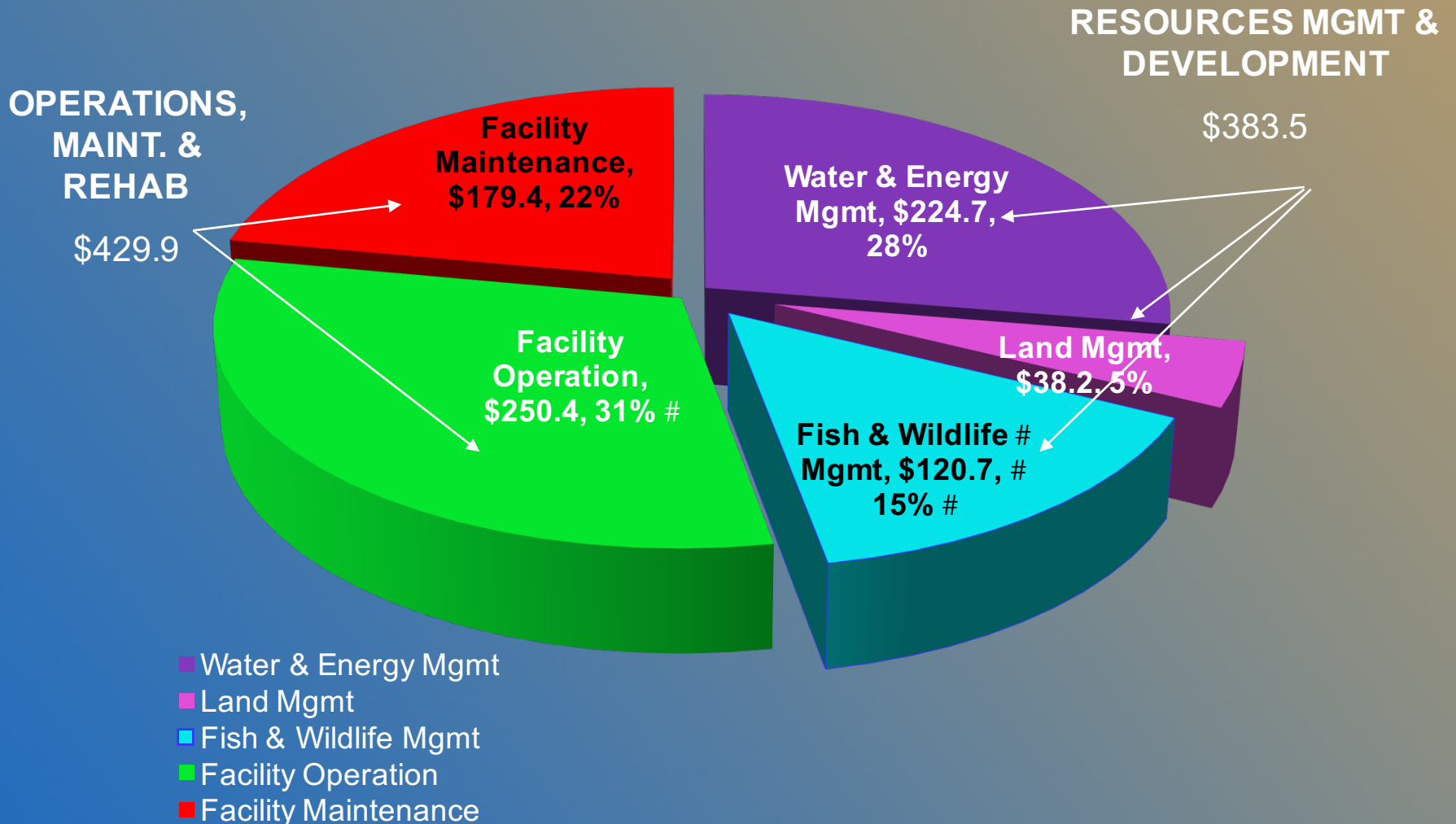


- Water & Related Resources
- Indian Water Rights Settlements
- San Joaquin River Restoration Fund
- Policy and Administration
- Central Valley Project Restoration Fund
- California Bay-Delta Ecosystem Restoration

FY 2017 President's Budget

Water & Related Resources

Total = \$813.4 (in millions)



Secretarial Initiatives

Strengthening Tribal Nations

- **\$Navajo-Gallup (NM) #**
 - Planning, Design, & Construction continues #
- **\$Crow (MT)**
 - “638 contracts” for irrigation project rehabilitation & Municipal, Rural and Industrial system
- **\$Aamodt (NM) Litigation Settlement (Pueblos of Nambe, Pojoaque, San Ildefonso, and Tesuque)**
 - Settlement provisions executed related to the Rio Pojoaque Basin
- **\$Taos (NM)**
 - Settlement agreement will be signed by all parties in 2016. Reclamation made the last deposit into the Taos Settlement Fund per Settlement Legislation
- **\$White Mountain Apache (AZ) #**
 - signed Final Settlement Agreement #

FY 2017 Indian Water Rights # Settlements Account (in thousands)

IWRS	FY 2015 Enacted 1/	FY 2016 Enacted 1/	FY 2017 President's Budget
Navajo Gallup	81,000	89,663	87,000
Crow Tribe Rights	2,000	12,772	12,772
Aamodt Litigation Settlement (Pueblos of Nambe, Pojoaque, San Ildefonso, and Tesuque)	3,000	6,000	6,379
Taos Pueblos	4,000	4,048	0
White Mountain Apache	0 2/	0 2/	0 2/
Total: IWRS	90,000	\$112,483	\$106,151

1/ Congress provided funds for the IWRS in Water & Related Resources in FY 2015 and FY 2016

2/ White Mountain Apache - only mandatory funding

Secretarial Initiatives

Enhancing and Preserving America's Great Outdoors

- **California Bay-Delta**
(\$36.0 million)
- **Central Valley Project Restoration Fund** (\$55.6 M - includes \$1.5M for Trinity & \$2M for SJRR in CVPRF)
- **San Joaquin River Restoration**
(\$36.0M and \$2M in CVPRF)
- **Trinity River Restoration**
(\$11.8M and \$1.5M in CVPRF)
- **Platte River Recovery**
(\$19.9M)
- **Upper CO River Endangered Recovery Program** (\$4.9M)
- **Columbia/Snake River Salmon Recovery** (\$18.0M)
- **Glen Canyon Dam Adaptive Management Program** (2.4M)
- **Middle Rio Grande ESA**
(\$9.2M)
- **Multi-Species Conservation Program, Lower Colorado River Operations Prog.** (\$16.9M)

Secretarial Initiatives

Sustainable, Secure Water Supplies and Climate Resiliency

- **\$ Reclamation Water**

- is delivered to one in every five western farmers
- irrigates 10 million acres of farmland
- is distributed to over 36 million people for municipal, rural, and industrial uses

- **\$ The WaterSMART Program**

- secures and stretches water supplies to benefit people, the economy, and the environment
- identifies adaptive measures needed to address climate change and future demands

Secretarial Initiatives

Sustainable, Secure Water Supplies and Climate Resiliency

- \$ The programs included in WaterSMART are collaborative in nature and work across jurisdictional boundaries to effectively achieve sustainable water management.
- \$ Cost sharing leverages Federal dollars to advance conservation and create resiliency.
- Competitive nature insures the best projects are selected and # that the government achieves the best return on investment #

Secretarial Initiatives

WaterSMART Program

WaterSMART Program (in thousands)	FY 2016 Enacted	FY 2017 President's Budget
WaterSMART Grants	\$20,000	\$23,365
Title XVI - Water Reclamation and Reuse	23,365	21,500
Basin Studies	5,200	5,200
Water Conservation Field Services	4,239	4,179
Drought Response and Comprehensive Drought Plans (Climate)	2,500	4,000
Resilient Infrastructure (Climate)	2,500	1,500
Cooperative Watershed Management	250	1,750
Program Total	\$58,054	\$61,494

Secretarial Initiatives

Building a Landscape Level Understanding of Our Resources

- **\$ Research and Development - Open Water Data Initiative (\$2.0M)**
 - **Manage Reclamation's water and related data to be better managed, more comparable across locations, easier to find and access by other agencies, stakeholders and the public.**
 - **Complies with the President's Open Data Policy and supports the Advisory Council on Water Information's (ACWI) Open Water Data Initiative**
 - **In FY 2017, will continue development and demonstration efforts.**

Secretarial Initiatives

Building a Landscape Level Understanding of Our Resources

- **Research and Development - Technology Challenges (\$8.5M)**
 - Engage U.S. citizens and private sector to solve some of Reclamation's most difficult technical obstacles.
 - Funds provided for water and power technology prize competitions, primarily for the launch of a grand-scale competition focused on next-generation advanced water treatment technology.
 - Smaller scale competitions will continue, addressing challenges in water availability, aquatic ecosystem restoration, and infrastructure sustainability.

Secretarial Initiatives

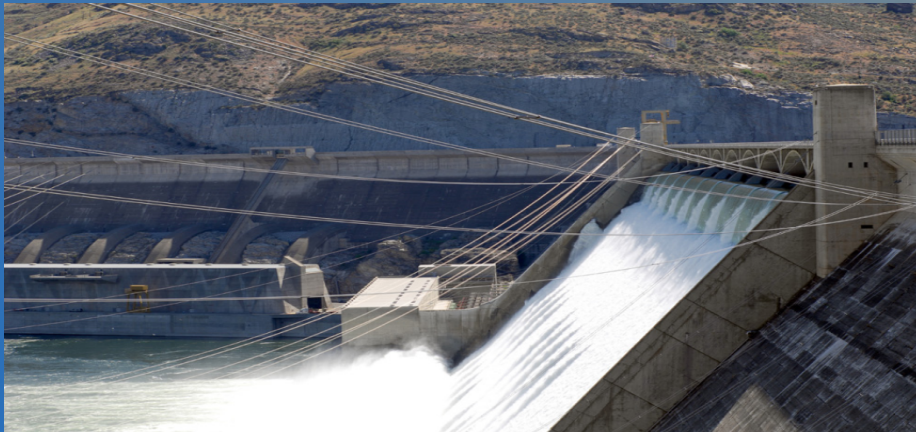
Building a Landscape Level Understanding of Our Resources

- **\$ \$5.2M will support Basin Studies, including \$1M to better understand water supplies and demands in the Colorado River Basin**
- **\$ Continues a collaborative approach to evaluate the impacts of climate change through risk assessment; develop landscape level science; communicate information and science to other entities; and work with stakeholders to develop adaptation strategies to cope with water supply and demand imbalances**

Secretarial Initiatives

Powering Our Future - Renewable Energy

- \$ Supports Administration's Renewables Development; Small Federal investment leverages large non-federal investments
- \$ The FY 2017 President's Budget allocates \$1.3M to support the New Energy Frontier initiative and Renewal Energy Priority goal



Grand Coulee \$

Note: Entirety of Reclamation's hydropower generation funding is nearly \$500 million annually, of which approximately 80% is funded directly by power users. Reclamation generates over 40 million MW of electricity annually.

Secretarial Initiatives

Engaging the Next Generation

- **\$ Youth goals achieved by expanding opportunities through existing programs using 21st Century Conservation Corps to put young Americans and veterans to work protecting, restoring and enhancing America's Great Outdoors.**
 - **\$Reclamation is working to engage individuals, either through temporary positions with the bureau, as conservation interns, or as part of conservation work crews in conjunction with a partnering organization**
 - **\$A partnership agreement with the National Fish and Wildlife Foundation will help provide additional youth conservation employment opportunities**

California Water

Bay-Delta Restoration (in millions)

FY 2017

Request

\$36.0

- \$ Includes \$36.0 million for the continuation of the CALFED Bay-Delta Program consistent with the Record of Decision (ROD), P.L. 108-361 and current priorities.
- \$ The Administration is committed to funding a long-term solution to water resource management issues in the California Bay-Delta.
- \$ Focuses on the Californian WaterFix and interagency science efforts to address short & long-term water resource issues.
- \$ Supports actions in the Interim Federal Action Plan.
- \$ California Bay-Delta Restoration is authorized by the Water Supply Reliability, and Environmental Improvement Act., October 25, 2008, P.L. 108-361. Language is included in the 2017 President's Budget to extend the expiration date for the expiring authorities and appropriations to September 30, 2018.

California Water

San Joaquin River Restoration Fund (in millions) #

FY 2017

Request

\$36.0

- **Fund established by San Joaquin River Restoration Settlement # Act, Title X, Sub-title A of P.L. 111-11, signed on March 30, 2009. #**
- **In October 2006, a Federal court approved a settlement on the San Joaquin River by the DOI, Department of Commerce, Natural Resources Defense Council, and Friant Water Users Authority, ending 18 years of litigation.**
- **FY 2017 funding will continue activities for this purpose.**

1/ Congress provided funds for the San Joaquin River Restoration Fund in Water & Related Resources in FY 2015 and FY 2016

California Water

Central Valley Project Restoration Fund (in millions) #

FY 2017
<u>Request</u>
\$55.6
<u>-\$55.6</u>
\$0

- Fund was established by the Central Valley Project Improvement Act (CVPIA), Title XXXIV (P.L. 102-575) 1992.
- Provide funds to assist in the protection, restoration and enhancement of fish and wildlife, and associated habitats in the Central Valley Project area of California.
- The Restoration Fund is based on a three-year rolling average of collections.

Colorado River

- **\$ Continue development of Drought Contingency Plans with the Basin States**
- **\$ Continue System Conservation Programs for voluntary reductions in use of Colorado River water to facilitate system storage**
- **\$ Continue implementation, negotiation, and execution of the US-Mexico 1944 Treaty for operations, water conservation and exchange, and environmental purposes**
- **\$ LTEMP – Long-term Experimental and Management Plan**

Infrastructure

Dam Safety Program (in millions)

**FY 2017
Request
\$86.1**

- **\$Request based on current Reclamation facility evaluation and modification needs. Funding focused on priority facilities based on identified risk to the public.**
- **\$Provides funding for: Safety Evaluation of Existing Dams, Initiate Safety of Dams Corrective Actions, DOI Dam Safety Program.**
- **\$Funding requested for several dam safety modifications, including major work at Boca Dam, Box Butte Dam, Bull Lake Dam, and Hyatt Dam.**

Infrastructure

Replacement, Additions, and Extraordinary Maintenance (RAX) (in millions)

**FY 2017
Request
\$42.5**

- **Funds major and non-routine maintenance, replacement and additions to existing infrastructure and structural facilities, including equipment.**
- **Critical to mission objectives of operating and maintaining # projects to ensure delivery of water and power benefits. #**

Additional FY 2016 Funding of \$166.3 Million - Spending Plan #

- **Western Drought Response - \$100 million**
- **Rural Water projects - \$47 million**
- **Water Conservation and Delivery - \$10 million**
- **Fish Passage and Fish Screens - \$5 million**
- **Facility Operation, Maintenance and Rehabilitation - \$2.3 million #**
- **Environmental Restoration and Compliance - \$2 million**

Additional FY 2016 Funding of \$166.3 Million - Spending Plan #

Western Drought Response (100 million)

- **Central Valley Project - \$37.9 million**
- **WaterSMART Programs - \$22.6 million**
- **Native American Technical Assistance - \$6 million**
- **Colorado River Basin - \$16.5 million**
- **Yakima River Basin Water Enhancement Project - \$9 million**
- **Other various projects and programs - \$8 million**

Challenges

- **Climate Change Adaptation**
- **Drought**
- **Indian Water Rights Settlements**
- **San Joaquin River Restoration**
- **California Bay Delta #**
- **Colorado River**
- **Rural Water**
- **Klamath**
- **Yakima**
- **Infrastructure**

Questions? #

RECLAMATION