



— BUREAU OF —  
RECLAMATION

# FY 2022 President's Budget Stakeholders Briefing

May 28, 2021

# FY 2022 Budget supports 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.



Elephant Butte Dam  
New Mexico



# FY 2022 President's Budget

(dollars in thousands)

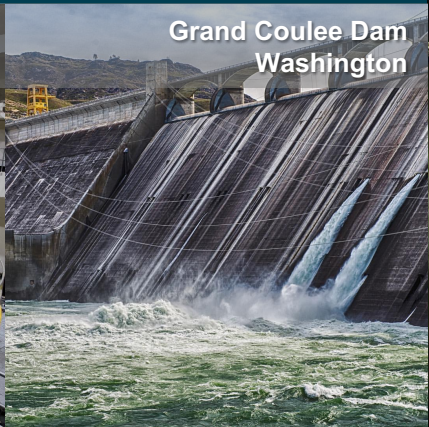
Appropriation	2021 Enacted/ <sup>1</sup>	2022 President's Budget
Water and Related Resources	1,521,125	1,379,050
Policy and Administration	60,000	64,400
California Bay-Delta Restoration Fund	33,000	33,000
Central Valley Project Restoration Fund	55,875	56,499
<b>Total Gross - Current Authority</b>	<b>1,670,000</b>	<b>1,532,949</b>
CVPRF Offset	(55,875)	(56,499)
<b>Total Net - Current Authority</b>	<b>1,614,125</b>	<b>1,476,450</b>

<sup>1</sup> FY 2021 includes \$542.1 million in additional funds provided by Congress.



# Reclamation in the West

Reclamation's budget continues to address water supply challenges in the West to ensure water reliability, efficient generation of energy, celebration of America's recreation opportunities, commitments to tribal nations, and environmental responsibilities. The 2022 budget prioritizes funding where it most effectively implements Reclamation's management responsibility to provide water and generate power.



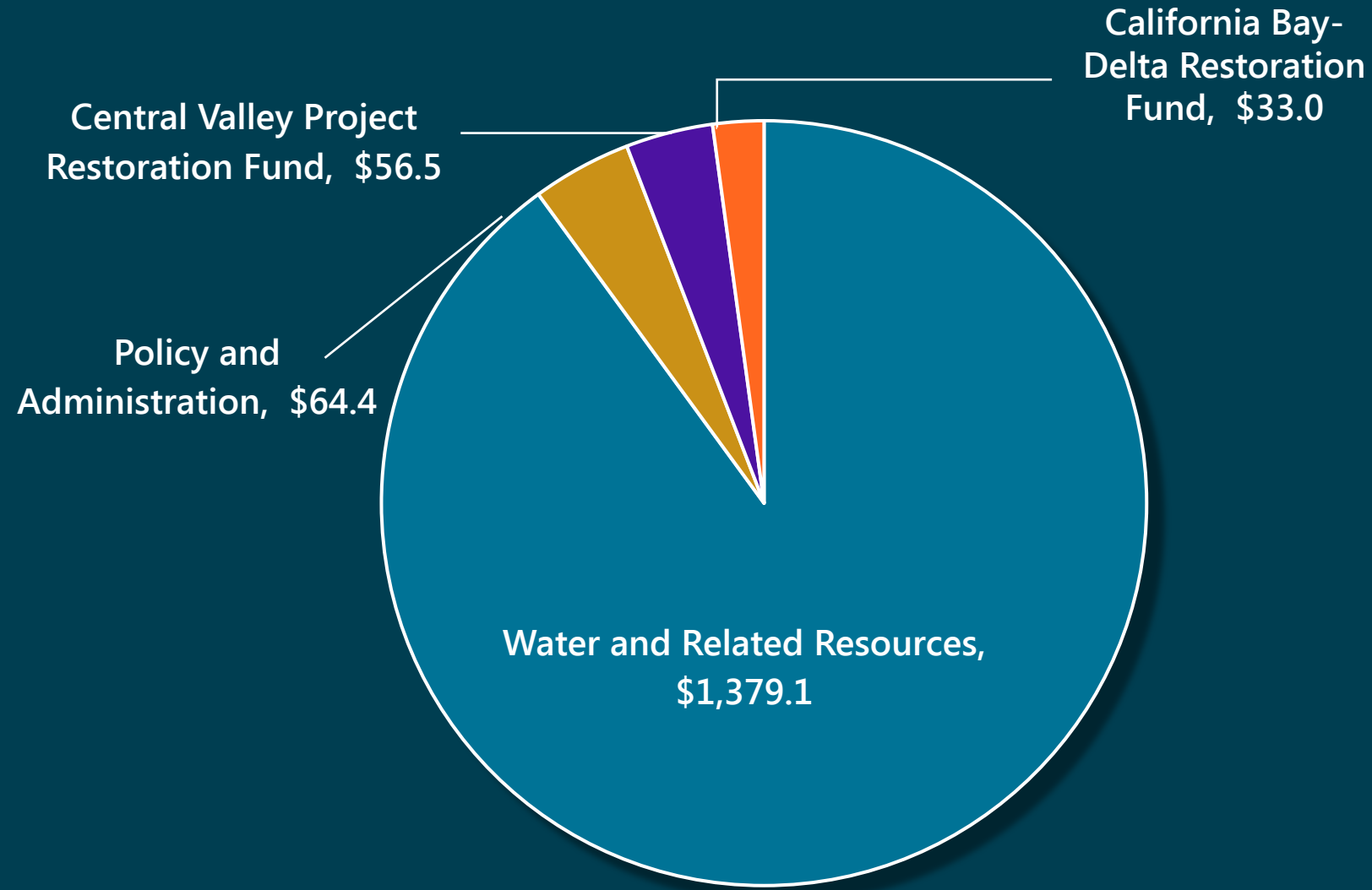
# Budget Priorities

- Racial Justice and Equity for Underserved Communities
- Infrastructure and Dam Safety
- Address Climate Impacts; Advance Climate Science
- Conserve Western Water
- Renewable Energy
- Colorado River; California Water
- Environmental Responsibilities
- American Jobs Plan



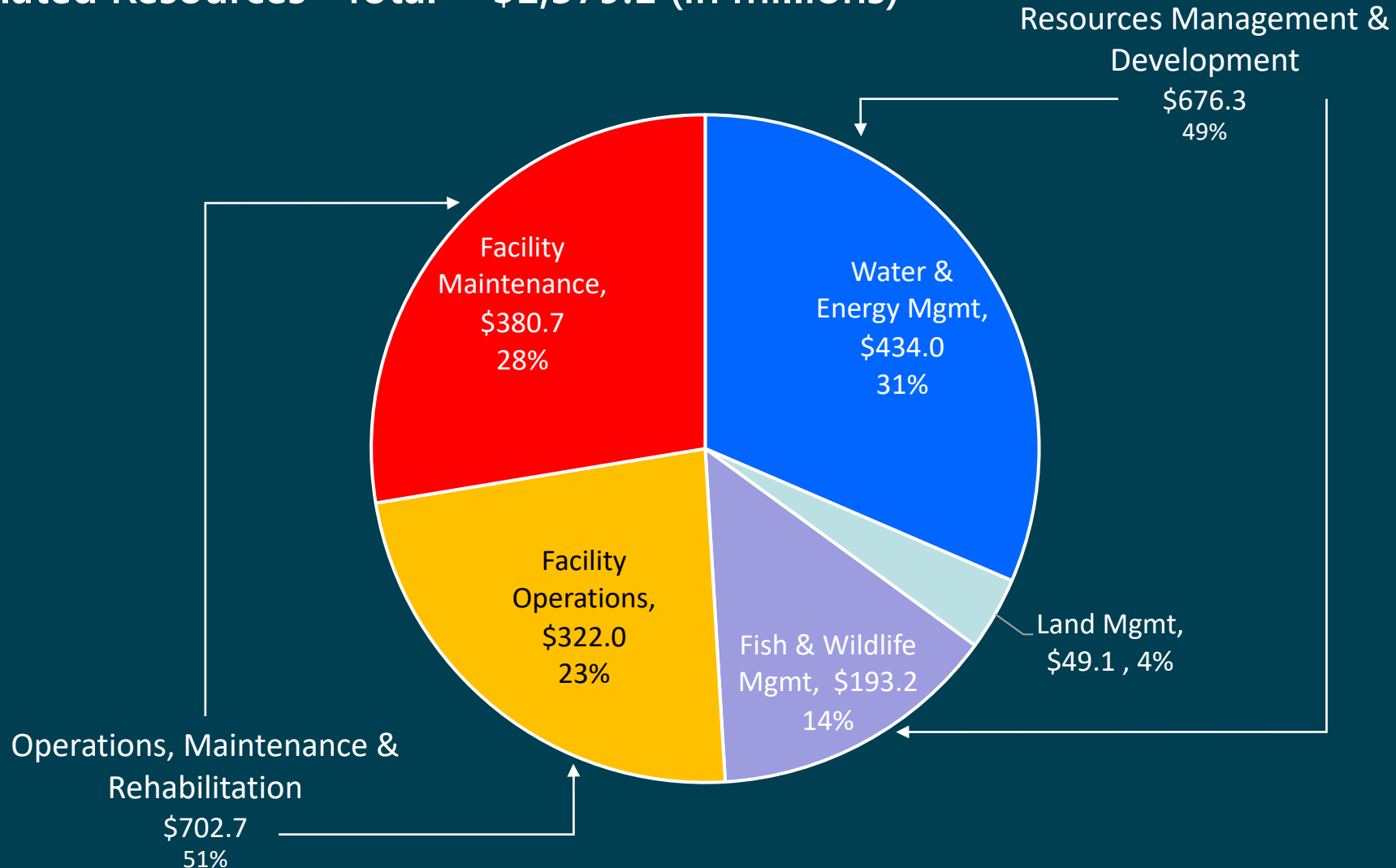
# FY 2022 President's Budget

(in millions)



# FY 2022 President's Budget

Water and Related Resources Total = \$1,379.1 (in millions)



# UNDERSERVED COMMUNITIES

- Reclamation tackles the challenges of providing water and power benefits to underserved communities through:
  - Increases in tribal water rights settlements
  - Increase to the Native American Affairs Program (i.e., technical assistance)
  - Advancement of rural water project construction
  - Other investments in project specific activities; e.g., Arkansas Valley Conduit (CO), Lower Rio Grande (TX)





# Honor Commitments to Tribal Nations

- Funds nine Indian water rights settlements - \$157.6 million
- **Native American Affairs Program - \$20 million**
  - Includes technical assistance; support for the Secretary's Indian Water Rights Office in negotiating and implementing settlements
- **Many other projects include tribal benefits:**
  - Rural Water Supply Projects
  - Restoring fisheries (e.g., Klamath Project; Trinity River Restoration Program; Yakima River Basin Water Enhancement Project; and Columbia/Snake River Salmon Recovery)



# Indian Water Rights Settlements

(dollars in thousands)

Tribal Settlements	FY 2022 Request
Aamodt Litigation Settlement <sup>1/</sup>	10,000
Crow Settlement	12,772
Navajo Gallup Water Supply Project <sup>1/</sup>	56,342
Blackfeet Indian Water Rights Settlement <sup>1/</sup>	40,000
Gila River Indian Community – Pima Maricopa <sup>2/</sup>	7,622
San Carlos Distribution System*	550
Ak-Chin Indian Water Rights Settlement	19,433
Animas-La Plata Project (Colorado Ute)	5,264
Nez Perce Settlement (Columbia/Snake River)	5,581
<b>Tribal Settlements Total</b>	<b>157,564</b>

The Native American Affairs Program, which provides technical assistance, settlement negotiation, outreach activities, and other Tribal benefits, requests \$20 million in FY 2022 (an increase of \$7.3 million from FY 2021 Enacted).

<sup>1/</sup> The Navajo Gallup, Aamodt, and Blackfeet settlements received mandatory appropriation allocations from the Reclamation Water Settlement Fund in FY 2021; \$100 million, \$5 million, and \$15 million, respectively.

<sup>2/</sup> Gila River and San Carlos are also expected to receive allocations from the Lower Colorado River Basin Development Fund.



# Rural Water Projects

(dollars in thousands)

Rural Water Projects	State	FY 2022 Request
P-SMBP, Garrison Diversion Unit	ND	28,147
Fort Peck Reservation / Dry Prairie	MT	17,191
Rocky Boys / North Central Montana	MT	13,504
Lewis and Clark	SD	9,220
Eastern New Mexico Water Supply	NM	7,790
Mni Wiconi	SD	17,010
Rural Water Total		92,862

FY 2022 Request includes \$68.1 million for construction activities, and \$24.8 million for O&M efforts.



# INFRASTRUCTURE & DAM SAFETY

- Dams, reservoirs, water conveyance systems and power generating facilities serve as the water and power infrastructure backbone of the American West
- Reclamation manages 491 dams, 364 of which identified as high or significant hazard
  - Approximately 50 percent of dams were built between 1900 and 1950, while 90 percent were before adoption of modern state-of-the-art technologies
- Extraordinary Maintenance activities ensure continued operations for delivery of water and power benefits



# Infrastructure and Dam Safety (\$000) cont.

Infrastructure Activities	FY 2022 Request
Dam Safety Program	207,084
DOI Dam Safety	1,300
Initiate Safety Corrective Actions	182,500
Safety Evaluations	23,284
Extraordinary Maintenance	125,283
Other Project Construction	251,898
Central Arizona Project	3,472
Colorado Front Work & Levee	2,303
San Joaquin River Restoration	5,401
Arkansas Valley Conduit	10,050
Middle Rio Grande	6,000
Garrison Diversion (non-Rural)	4,170
Cle Elum Fish Passage	15,793
Other / Previously Covered*	157,520



- Dam Safety program increased by \$95.2 Million from FY 2021 enacted
- FY 2022 budget includes \$1 million for new Aging Infrastructure account

\* Previously covered includes construction efforts for tribal and rural water activities



# CLIMATE SCIENCE & CONSERVE WATER

- Reclamation's projects were primarily designed and constructed in the first half of the 20<sup>th</sup> century – snowpack was largest reservoir
- Decreased snowpack and earlier spring runoff have made climate resilience and science investments important focus areas
- Virtually all of Reclamation's programs address water conservation in some fashion, but highlights include:
  - WaterSMART Program
  - Drought Contingency Plan actions in the Colorado River Basin
  - Research and Development



# Invest in Research & Development

- Science & Technology (S&T) Program (\$18.0 million)
  - Invest in innovative solutions to resource and technical issues confronting Reclamation
    - Supports research projects; technology prize competitions; technology transfer; and dissemination of results
    - Results in increased water deliveries, reduced water losses, improved water & power infrastructure management, more efficient hydropower generation, and more effectively meeting our environmental responsibilities



# Invest in Research & Development

- Desalination & Water Purification Research Program (\$9.5 million)
  - Development of innovative and cost-effective desalination methods
    - New & continued projects in laboratory scale research studies and pilot-scale testing projects
    - O&M of Brackish Groundwater National Desalination Research Facility, research for pilot-scale testing projects, and engaging private-sector and other non-Federal interests via technology transfer activities





# WaterSMART Program

- Collaboration with non-Federal partners
  - Address emerging water demands & water shortage issues in the West
  - Promote water conservation, drought response & improved water management

WaterSMART Activity	FY 2022 Request
Basin Studies	13,500
Cooperative Watershed Management	2,250
Drought Response Program	16,500
Title XVI	4,500
WaterSMART Grants	15,000
Water Conservation and Field Services	2,318
<b>WaterSMART Total</b>	<b>54,068</b>



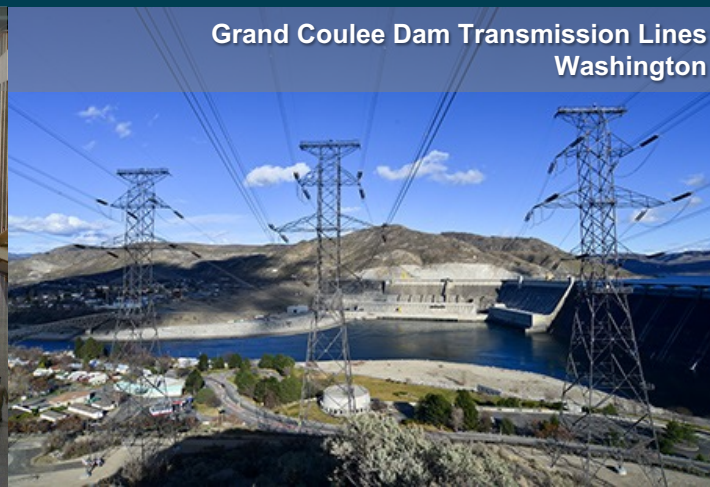
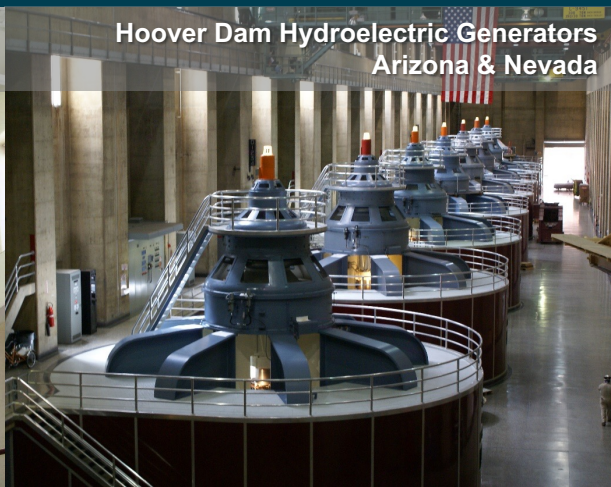
# RENEWABLE ENERGY

- Reclamation owns 78 hydroelectric power plants, and operates 53 of those plants
  - Accounts for 15 percent of hydroelectric capacity and generation in the U.S.
- Reclamation generates an average of 40 billion kilowatt hours of electricity; collects over \$1 billion in gross revenues
  - Enough to meet annual needs of over 3.6 million households
- FY 2022 budget requests \$3.4 million for Power Program Services



# Hydropower

- Priority is to improve the value of hydropower
  - Goal is to improve efficiency of hydropower facilities & promote development of new, non-federal hydropower on existing non-powered Reclamation facilities
  - Small Federal investment leverages large non-Reclamation investments (e.g., Bonneville Power Administration, Western Area Power Administration, power customers)
  - Reclamation efforts to improve efficiencies and capacity resulted in an increase of generating capability by more than 43.8 MW since FY 2018
  - Funding supports ongoing work for automated data collection, performance testing, regulatory compliance, etc.



# COLORADO RIVER

- Experiencing the driest 21-year period in over 100 years of records
- Lower Colorado River Operations Program
  - Drought Contingency Plan implementation (\$15 million); Bi-National Activities (\$3.5 million)
- Upper Colorado River Operations Program-Demand Management (\$3.3 million)
  - Continue Interim Guidelines
- Implements Salinity Control through Title I (\$17.6 million) & Title II (\$7.0 million) efforts
- Colorado River Compliance Activities (\$21.4 million)
  - Upper Colorado River & San Juan Recovery Implementation Program (RIP)
  - Glen Canyon Adaptive Management Program



Razorback Sucker  
Lower Colorado River



# CALIFORNIA WATER

- Central Valley Project (CVP), Water & Related Resources (\$184.7 M)
  - Funds the nation's largest water management project
  - Provides water for irrigators, municipalities and industry, wildlife refuges, and hydropower
- Central Valley Project Restoration Fund (CVPRF) (\$56.5 M)
  - Fund was established by the 1992 Central Valley Project Improvement Act (CVPIA), P.L. 102-575
  - CVPRF funding assists in the protection, restoration & enhancement of fish & wildlife, & associated habitats in the CVP

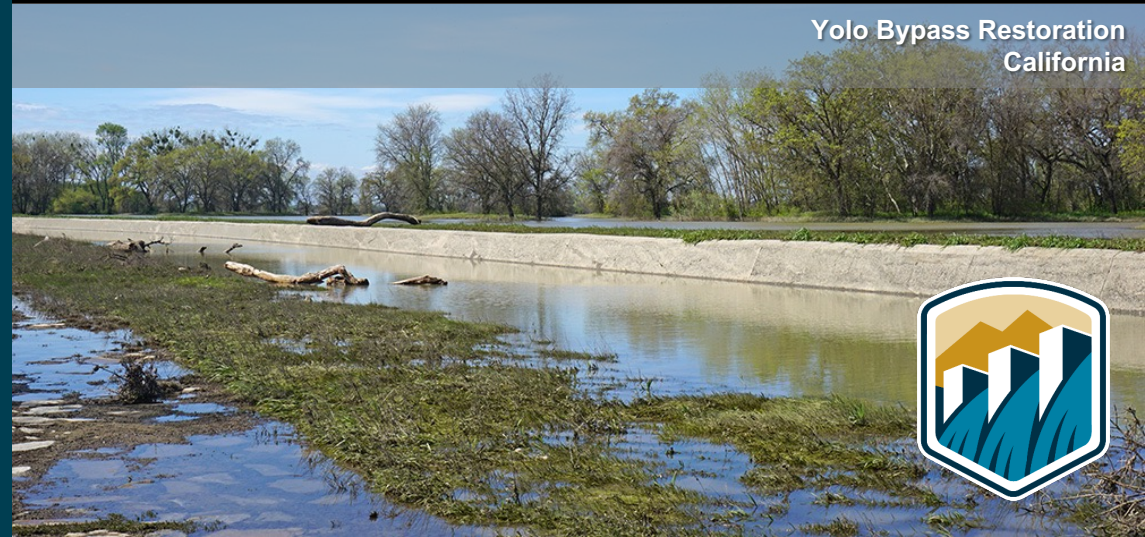


# California Water

- California Bay-Delta Restoration (\$33 M)
  - Includes funds for continuing the CALFED Bay-Delta Program consistent with the Record of Decision (ROD) & current priorities
  - Focuses on interagency science efforts to address short- & long-term resource & water sustainability issues
  - California Bay-Delta Restoration was authorized by the 2008 Water Supply Reliability, & Environmental Improvement Act, P.L. 108-361, as amended.



Yolo Bypass Restoration  
California



# ENVIRONMENTAL RESPONSIBILITIES

- Lower Colorado River Operations Program
  - \$16.9 million Multi-Species Conservation Plan
- Central Valley Project
  - \$10 million for Trinity River Restoration
- Water supply in Klamath (\$24.1 million)
- Middle Rio Grande
  - \$18.7 million will continue endangered species program
- Endangered Species - \$13.2 million
  - \$5.7 million for UC & San Juan RIP
- \$1 million for Aquatic Ecosystem Restoration Program



Adaptive Management Bug Flow Experiment  
Colorado River



New Mexico Meadow Jumping Mouse



# Administration & DOI Priorities: Cybersecurity, Zero-Emissions, Recreation

- Budget request includes \$1.6 million to fund enhanced cybersecurity
  - Sustain response to the SolarWinds incident
  - Improve future protection and detection capabilities
- Includes \$3.5 million to support the Administration's zero emission vehicles (ZEV) investments in charging stations and replacement vehicles
  - Leverages Federal purchasing power to support the deployment of clean energy vehicles.
- Recreation areas represent popular areas for water-based outdoor recreation activities
  - Recreation's 245 recreation sites welcome about 90 million annual visitors on average





# Reclamation's Impact on the Nation

- \$66.3 billion in economic output & supports approximately 472,000 jobs
  - FY 2022 Goals
    - Maintain & modernize infrastructure
    - Develop & construct new infrastructure
    - Promote Environmental Restoration
    - Improve Recreational Access
- 78 hydroelectric power plants = 15% of U.S. hydroelectric capacity
  - 40 billion kilowatt hours of electricity = over \$1.0 billion in gross power revenues



# AMERICAN JOBS PLAN

The American Jobs Plan augments the Reclamation 2022 discretionary budget request, providing an additional \$500 million annually beginning in 2022.

Total of \$2.5 billion dollars over five years.



# American Jobs Plan (continued)

The American Jobs Plan provides funding to address the western drought crisis by investing in programs and projects focused on the western drought crisis which include:

- ✓ water efficiency and recycling,
- ✓ Tribal water settlements, and
- ✓ dam safety programs.

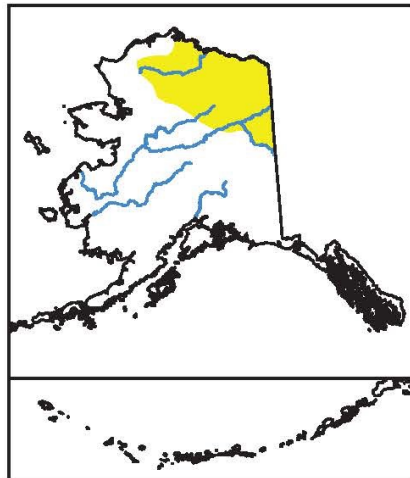
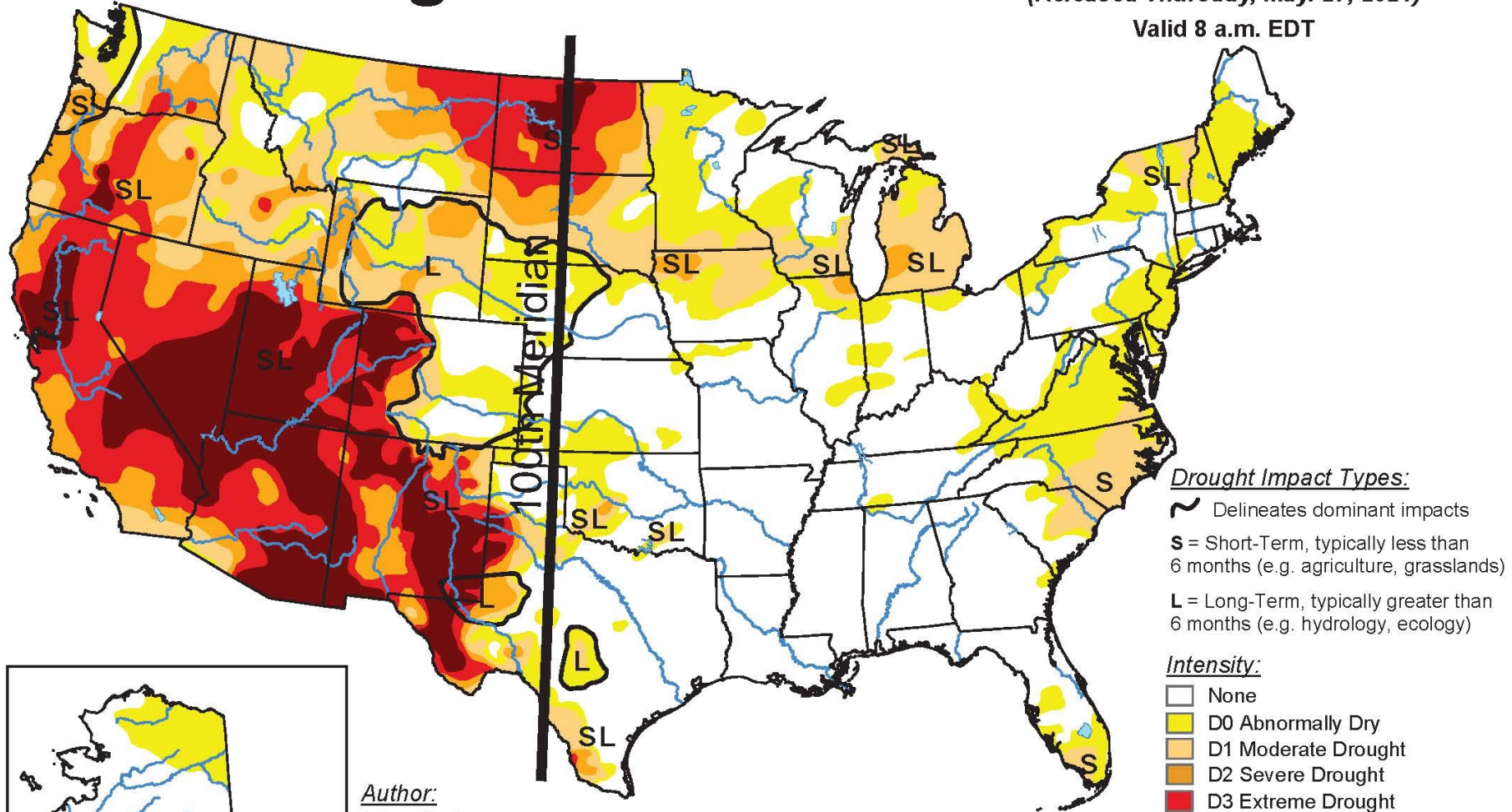


# U.S. Drought Monitor

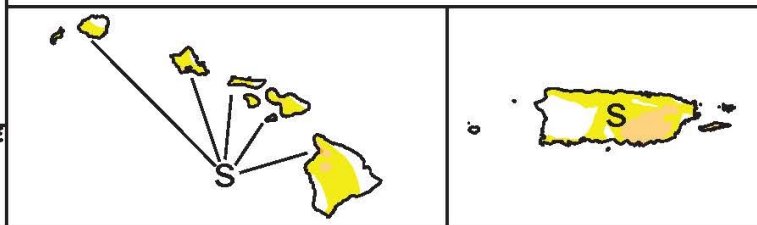
May 25, 2021

(Released Thursday, May. 27, 2021)

Valid 8 a.m. EDT



Author:  
Adam Hartman  
NOAA/NWS/NCEP/CPC



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)



Questions?



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