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.
## FY 2022 President’s Budget
(dollars in thousands)

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

/1 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)

- Water and Related Resources, $1,379.1
- Central Valley Project Restoration Fund, $56.5
- Policy and Administration, $64.4
- California Bay-Delta Restoration Fund, $33.0
FY 2022 President’s Budget
Water and Related Resources  Total = $1,379.1 (in millions)

- Water & Energy Mgmt, $434.0 (31%)
- Land Mgmt, $49.1 (4%)
- Fish & Wildlife Mgmt, $193.2 (14%)
- Facility Operations, $322.0 (23%)
- Facility Maintenance, $380.7 (28%)
- Resources Management & Development, $676.3 (49%)
- Operations, Maintenance & Rehabilitation, $702.7 (51%)
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)

<table>
<thead>
<tr>
<th>Tribal Settlements</th>
<th>FY 2022 Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aamodt Litigation Settlement[^1]</td>
<td>10,000</td>
</tr>
<tr>
<td>Crow Settlement</td>
<td>12,772</td>
</tr>
<tr>
<td>Navajo Gallup Water Supply Project[^1]</td>
<td>56,342</td>
</tr>
<tr>
<td>Blackfeet Indian Water Rights Settlement[^1]</td>
<td>40,000</td>
</tr>
<tr>
<td>San Carlos Distribution System[^*]</td>
<td>550</td>
</tr>
<tr>
<td>Ak-Chin Indian Water Rights Settlement</td>
<td>19,433</td>
</tr>
<tr>
<td>Animas-La Plata Project (Colorado Ute)</td>
<td>5,264</td>
</tr>
<tr>
<td>Nez Perce Settlement (Columbia/Snake River)</td>
<td>5,581</td>
</tr>
<tr>
<td><strong>Tribal Settlements Total</strong></td>
<td><strong>157,564</strong></td>
</tr>
</tbody>
</table>

[^1]: 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.

[^2]: Gila River and San Carlos are also expected to receive allocations from the Lower Colorado River Basin Development Fund.

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).
## Rural Water Projects

(dollars in thousands)

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

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.

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

- 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 20th 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

<table>
<thead>
<tr>
<th>WaterSMART Activity</th>
<th>FY 2022 Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basin Studies</td>
<td>13,500</td>
</tr>
<tr>
<td>Cooperative Watershed Management</td>
<td>2,250</td>
</tr>
<tr>
<td>Drought Response Program</td>
<td>16,500</td>
</tr>
<tr>
<td>Title XVI</td>
<td>4,500</td>
</tr>
<tr>
<td>WaterSMART Grants</td>
<td>15,000</td>
</tr>
<tr>
<td>Water Conservation and Field Services</td>
<td>2,318</td>
</tr>
<tr>
<td><strong>WaterSMART Total</strong></td>
<td><strong>54,068</strong></td>
</tr>
</tbody>
</table>
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
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.
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
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
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.
Questions?