



— BUREAU OF —
RECLAMATION

Water Conservation: Financial Assistance Opportunities



U.S. Department of the Interior
Bureau of Reclamation 2021



Bureau of Reclamation – Five Regions

17 States comprise Five Regions:

- California-Great Basin
- Columbia-Pacific Northwest
- Lower Colorado Basin
- Missouri Basin and Arkansas-Rio Grande-Texas Gulf
- Upper Colorado Basin

California is in both the CGB Region and the LCB Region



Reclamation's Water Conservation Team

Region	Team Member	Telephone Number(s)	Email Address
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Reclamation Funding Opportunities

CGB Region

- Bay-Delta CALFED Water Use Efficiency
- Agricultural Water Use Efficiency

All Reclamation Regions

WaterSMART

www.usbr.gov/watersmart

- Basin Study Program
- CWMP – Cooperative Watershed Management Program
- Drought Response Program/Resiliency Projects/Plans
- SWEP – Small-scale Water Efficiency Project
- Title XVI Program
- Desalination Construction
- Water Conservation Field Services Program
- Water Marketing Strategy
- WEEG – Water Energy Efficiency Grant



Reclamation Financial Assistance

General Information



Up to 50% of the project's cost and no more than \$25 million



States, tribes, irrigation districts, water districts, and other entities with water or power delivery authority



Awards are made through a competitive process

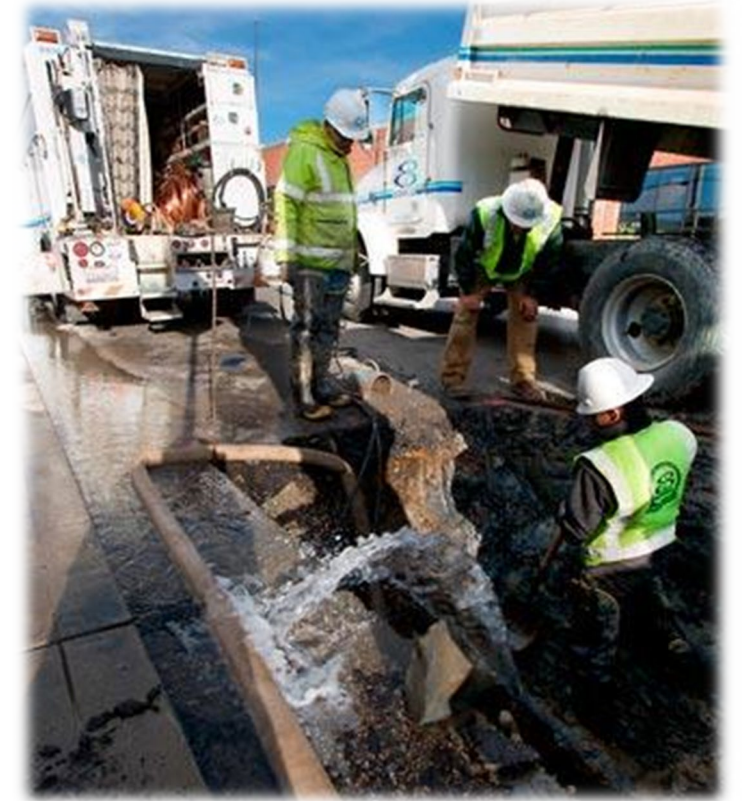


Notice of Funding Opportunities (NOFO) are posted to www.grants.gov



CGB: Bay-Delta CALFED Water Use Efficiency Grants

- Eligible applicants must be located within the CALFED Solution Area
- Significant benefits to the Bay-Delta
- Since 2010, over 70 grants have conserved or better managed over 303,000 acre-feet (*i.e.*, +100 billion gallons) of water
- Recent NOFO: BOR-CGB-21-F001



EBMUD Leak Detection



CGB: Agricultural Water Use Efficiency Grants

- Partnership with Natural Resource Conservation Service (NRCS) - Fostering District/Farmer Partnerships
- Increase the capability of on-farm water conservation projects
- Encourage supplier/grower partnerships to identify district/regional needs and opportunities
- Recent NOFO: BOR-MP-19-F003



South San Joaquin Irrigation Dist.



WaterSMART: Basin Study Program

Water Management Options Pilots: Build on completed Basin Studies to advance strategies and apply tools and information to address water management challenges and supply and demand imbalances.

- Each study includes four key elements:
 - 1) Project future supply and demand by river basin
 - 2) Analyze how the basin's existing water and power operations and infrastructure will perform in the face of changing water realities
 - 3) Develop strategies to meet current and future water demands
 - 4) Identify a trade-off analysis of strategies



WaterSMART: Basin Study Program

Applied Science Grants:

- 1) Improve or enhance modeling capabilities
- 2) Improve or adapt forecasting tools and technologies
- 3) Improve access to, and use of, water resources data

WaterSMART – CWMP

Cooperative Water Management Program



- Provides funds to develop local solutions to water management needs
 - Phase 1 - Planning
 - Phase 2 - Implementation
- Projects provide a variety of benefits throughout a watershed:
 - Improve water quality and ecological resilience
 - Conserve water
 - Reduce conflicts
- Recent NOFOs: BOR-DO-21-F003 and BOR-DO-21-F002



WaterSMART – Drought Response Program/ Drought Resiliency Projects/Drought Plans

Projects increase water supply reliability, improve water management, and build long-term resiliency to drought.

- Contingency Planning
- Resiliency Projects
- Emergency Response Actions

- Recent NOFO: BOR-DO-20-F002



WaterSMART – SWEP

Small-Scale Water Efficiency Projects

- Small-scale projects conserve and use water more efficiently; mitigate conflict risk in areas at a high risk of future water conflict; and accomplish other benefits that contribute to water supply reliability.
- For projects with a total cost of \$200,000 or less
- Streamlined Application Process
 - Rolling Application Submission
 - Simplified Evaluation Criteria
 - Clarified Budget Documentation
- Recent NOFO: BOR-DO-20-F006 and R21AS00300



Title XVI Program

Projects reclaim and reuse wastewaters and impaired ground and surface waters.

- Authorized Projects: Congressionally-authorized Title XVI projects
- WIIN-Eligible Projects: Title XVI projects with an approved feasibility study but lack Congressional authorization
- Feasibility Studies: Determine viable water recycling and reuse projects
- Research Studies: Water reclamation research
- Cost-share: Each recipient must provide at least 75% of the total project cost
- Recent NOFO: BOR-DO-20-F009 and R21AS00429
- **Contacts:**
 - CGB – Ankur Bhattacharya at AnkurBhattacharya@usbr.gov or 916-978-5348
 - LCB – Meghan Thiemann at Mthiemann@usbr.gov or 702-293-8438



WaterSMART: Desalination Construction

- Planning, design, and construction of ocean and brackish water desalination projects under section 4007(a) of the Water Infrastructure Improvements for the Nation (WIIN) Act.
- To be eligible, sponsors must have completed a Title XVI Feasibility Study that Reclamation has reviewed and found to meet all of the requirements of Reclamation Manual Release WTR 11-01.
- The recipient must provide at least 75% of the total project cost.
- Recent NOFO: BOR-DO-19-F008 and R21AS00428



Water Conservation Field Services Program

Projects promote water conservation planning and design:

- Demonstration projects
- Water project designs
- System Optimization Reviews
- Develop Water Conservation Plans
- Design water management improvements



WaterSMART: Water Marketing Strategy Grants

- Planning activities that develop water marketing strategies that establish or expand water markets or water marketing activities between willing participants, in compliance with state and Federal laws.
- Webinar: <https://www.usbr.gov/watersmart/watermarketing/docs/2019/2019-06-21watermarketingstrategygrantswebinar.pdf>
- Recent NOFO: BOR-DO-19-F006 and R21AS00278



WaterSMART – WEEG

Water and Energy Efficiency Grants

Projects conserve and use water more efficiently, increase the use of renewable energy and improve energy efficiency, benefit endangered and threatened species, facilitate water markets, or carry out other beneficial activities.

Eligible projects fall into one or more “Tasks”:

- Task A: Water Conservation
- Task B: Energy-Water Nexus
- Task C: Benefits to Endangered Species

Recent NOFO: BOR-DO-20-F001



Application Advice and Insight

- Read the entire NOFO, and ask questions.
- The Application Review Committee does not know your project and will not conduct additional research.
- The non-Federal cost-share could come from a variety of sources, such as state funding and loans.
- Copy the criteria from the NOFO and answer each part of the question.
- You can divide large projects in phases, with each one being separately funded.
- You can request a debrief if your application was not successful.



Resources and Additional Information

www.usbr.gov/mp/watershare

www.usbr.gov/watersmart

www.usbr.gov/lc/socal/wtrcons.html

www.grants.gov

- Notice of Funding Opportunities
- Previously Funded Projects
- Performance Measures
- Newsletter
- Water Management Planning Tools

