

RECLAMATION

Managing Water in the West

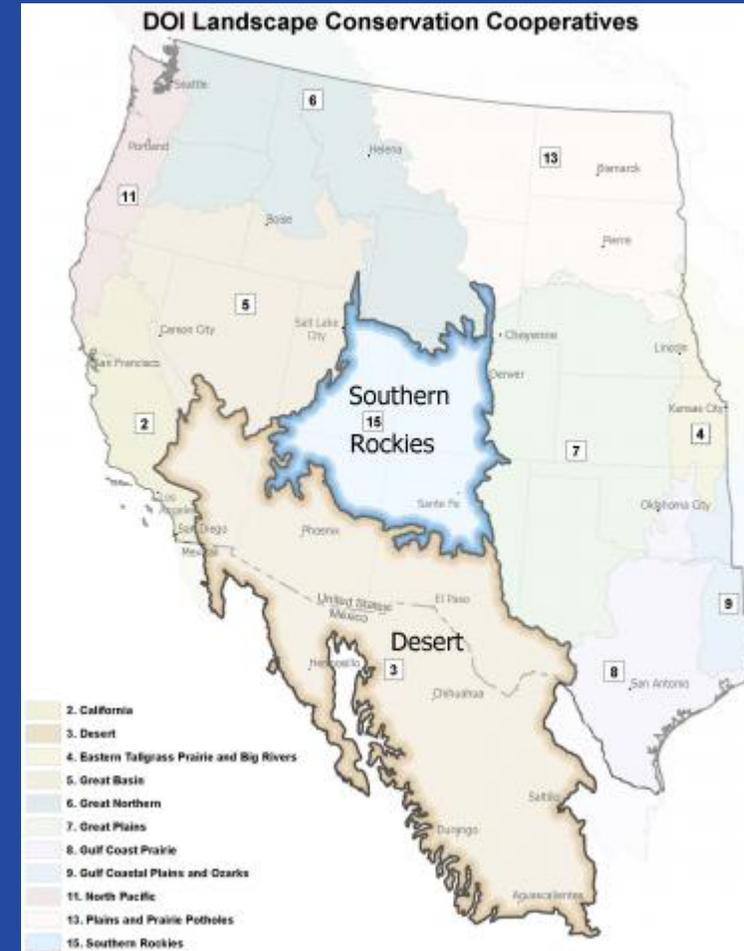
**FY17 Applied Science
Grants for the Desert and
Southern Rockies
Landscape Conservation
Cooperatives**



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

Overview

- Eligible Applicants
- Federal Funding Amount
- Project Types
- Evaluation Criteria
- Writing your proposal
- Application Submission



Eligible Applicants

- States, Tribes, irrigation districts, water districts, universities, nonprofit research institutions, organizations with water or power delivery authority, or nonprofit organizations

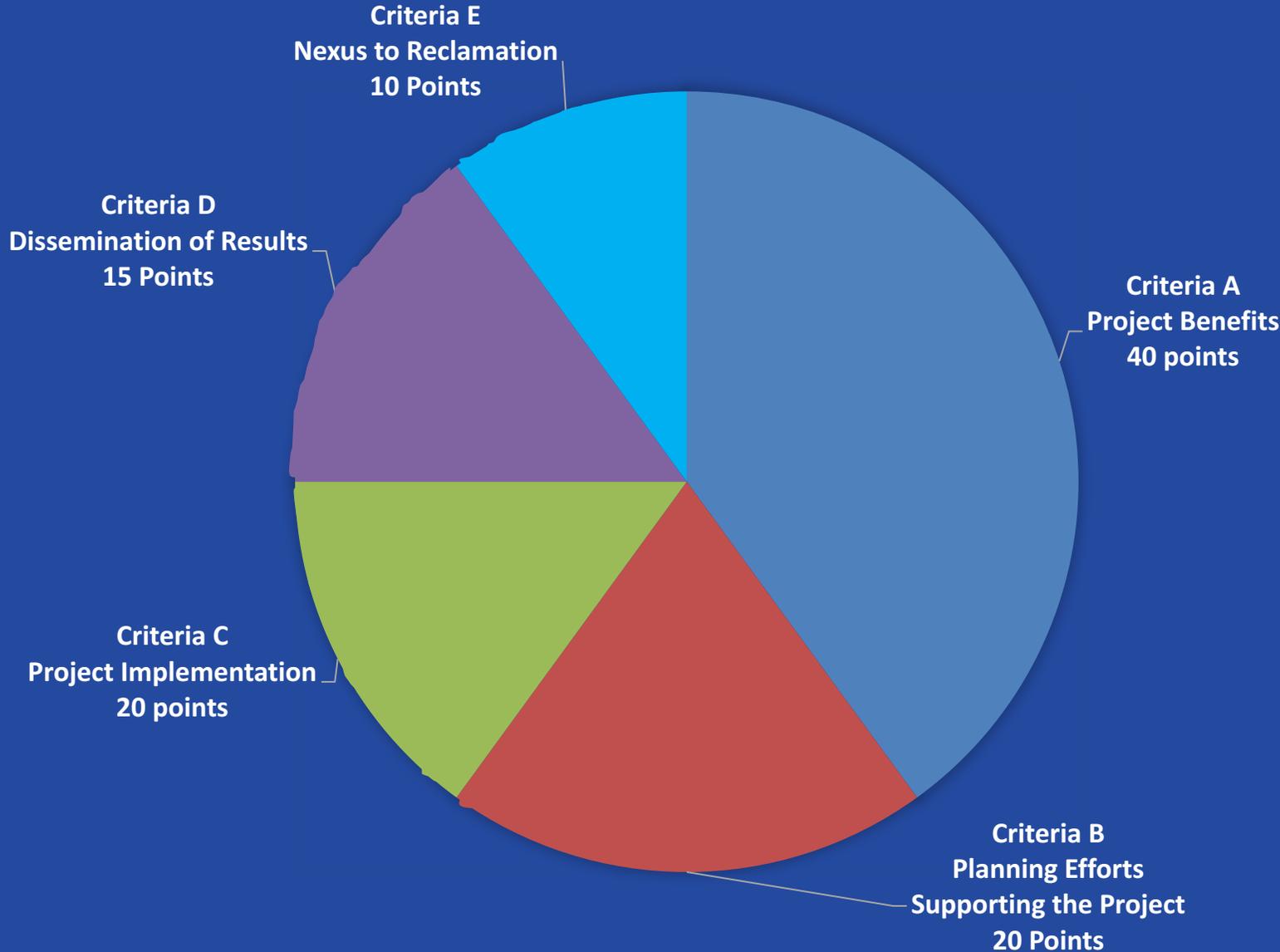
Federal Funding Amount

- Up to \$100,000 for a project that can be completed within 2 years.
- Recipients must match at least 50% of the total project costs.

Project Types

- **Task A - *Applied Research to Inform Resource Decision-Making Related to Drought Resiliency***
- **Task B – *Synthesize Information and Develop Related Decision-Support Tools to Inform Watershed Management Decisions***
- **Task C - *Develop Tools and Information to Improve Use of Water Resources Data to Inform Management Decisions***

EVALUATION CRITERIA



Criteria A - Project Benefits

- Describe the objectives of the project. Will the Project directly or indirectly benefit the community? Describe how the data collection will be used to address the project objectives, guidelines, or other information provided to the community. Describe the number of LCC(s) that will be developed or made available to resource managers and the public. Describe the plan for the project. Where a Reclamation project is located, describe the project's location, data, and research results. Describe the number and type of presentations of webinars that will be given regarding the project. Describe the project's results and how the project relates to other efforts within the LCC. Explain why the chosen approach is the most effective way to disseminate the information to end users in a usable manner.

Writing your Proposal

- Please copy and paste the appropriate criterion from the FOA above your response to that criterion.
- For example:

Evaluation Criteria

Criterion A -- Need for a Drought Contingency Plan or Plan Update

Describe the severity of the risks to water supplies that will be addressed in the Drought Contingency Plan.

The existing and potential drought risks affect five major sectors: agriculture/irrigators, compact deliveries, municipal, environment/riparian, and forestry/wildland fire.

The Plan will address risks to water supplies for water users and other District constituents that include 10,000 irrigators, the six MRG Pueblos and municipalities that benefit from the operation from the District. The magnitude and frequency of water supply shortages are currently severe, with water shortages up to 50% in a given year based on recent hydrology, increased fire risk due to persistent drought, impacts to the ecosystem and associated endangered species due to water shortages and fire risk, and socioeconomic consequences related to these events.

The MRG is highly dependent on Rio Grande Compact deliveries to the Middle Rio Grande Project. During persistent drought, the Middle Rio Grande Project places the MRG in a status

Writing your Proposal

- Be sure to provide **DETAILED SUPPORT** for all claims in your proposal. For example:

(a) Risks to Water Supplies Addressed In the Plan Update. Plan Update will address sustained drought conditions and water supply utilizing recent climate science. The 2013 Colorado River Basin Study (CRBS) identified risk of periodic shortages to water supply throughout Upper Basin and adjacent areas. CRBS identifies droughts lasting five years or more projected to occur 50 percent of the time over the next fifty years. New modeling conducted by Robert Gilles, Utah Climate Center at Utah State University, further substantiates that water levels will continue to decline in the Colorado River Basin due to changes in climate. Climate data provided through the National Oceanic and Atmospheric Administration (NOAA) show temperatures in Utah and Intermountain West have increased faster in recent decades compared to continental U.S.; from 1895 to 2012, average annual temperature across Utah increased 0.21°F decade⁻¹ (<http://www.ncdc.noaa.gov/cag/>).¹ Recently, NOAA identified Utah's March as one of the warmest March's in recorded history. Model results for area indicate significant temperature increases range 1^o-6^oF by 2035-64.² Climate model trends through 2100 for Wasatch Region indicate an increase in precipitation variability, snowpack declines due to warming, and amplified precipitation seasonality with wetter and warmer winter seasons and drier monsoon months. Increased energy in climate system is predicted to intensify storms and droughts.

Claims that are not sufficiently supported may not be considered by the ARC

RECLAMATION

Writing your Proposal

Budget:

DO NOT provide lump sums. Instead you should provide a detailed breakdown of costs.

Be sure to include all projects costs, not just the Federal funding. (See example)

BUDGET ITEM DESCRIPTION	COMPUTATION		Quantity Type	TOTAL COST
	\$/Unit	Quantity		
Salaries and Wages				
Program Manager	\$55.30	160	hrs	\$8,848
Project Engineer	\$55.30	1280	hrs	\$70,784
Engineering Analyst	\$30.92	320	hrs	\$9,894
GIS Analyst	\$30.92	320	hrs	\$9,894
SCADA Specialist	\$42.87	320	hrs	\$13,718
Fringe Benefits				
All employees	41%	\$113,139		\$46,387
Supplies and Materials				
Computer software	\$4,000.00	1	each	\$4,000
professional printing	\$1.00	500	page	\$500
Contractual/Construction				
LiDAR Consultant Services	\$160.00	800	hrs	\$128,000
Other				
Reclamation NEPA Review	\$5,000.00	1	each	\$5,000
TOTAL DIRECT COSTS				\$297,026
Indirect Costs				
de minimis	10%	\$189,026	MTDC	\$18,903
TOTAL ESTIMATED PROJECT COSTS				\$315,929

Writing your Proposal

FAQs on Project Costs:

- **Indirect costs:** Can indirect costs be included? If so, how do you determine the amount?
- **Parallel projects:** Can costs from ongoing work that is complementary to the project be counted towards the non-Federal cost share contribution?
- **Donated Services:** If a person or entity contributes donated time to the project, how should it be valued?
- **Outreach:** Can outreach, educational activities or advertising be included as project costs?



Application Submission

- Check page number requirements and the submission deadline
- Register in the System for Awards Management (SAM) well before the application deadline (it can take up to 6 weeks to get registered in SAM). You will need a DUNS number in order to get set up in SAM
- Register in grants.gov well before the application deadline. You will need to be registered in SAM before registering in grants.gov. DO NOT wait to the last minute to submit the application. Processing issues have occurred that render applications submitted at the last moment ineligible. Don't let this happen to you.
- If you are within weeks of the application deadline and you have not registered in grants.gov, plan to submit a hard copy of your application
- If you are registered in grants.gov, you can submit a version of your proposal in advance of the deadline to make sure you understand the process. Then you can submit your final version when you are ready. Give us a call and let us know to use your latest submission.

Contact Information

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