RECLAMATION
Managing Water in the West

WaterSMART Cooperative Watershed Management Program Phase I FOA

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WaterSMART Program

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.

WaterSMART Program

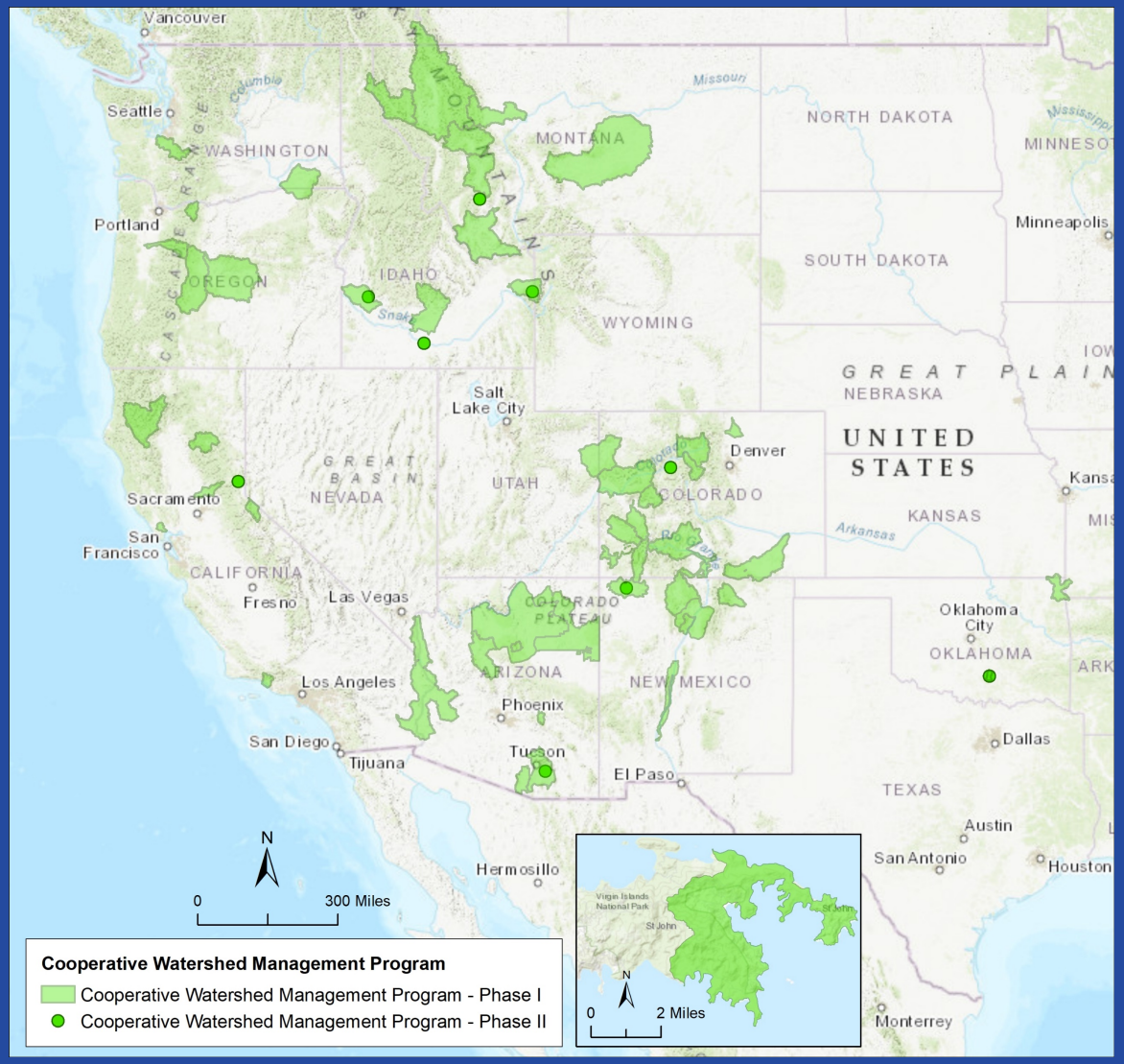
- Increases water supply reliability through collaborative efforts to improve water management
- Supports projects to improve water supply reliability to meet competing demands for water and avoid conflict
- Leverages Federal and non-Federal funding
- Relies on collaboration with stakeholders to develop local solutions to water supply issues

Growing Populations

Restoration Needs

Drought

Cooperative Watershed Management Program



Phase I	**Watershed group development, restoration and project design**
Phase II	**Implementation of watershed management projects**

- **Phase I Funding Opportunity Announcement Open Now:**
  - **Proposals due November 13, 2019 before 4:00 pm Mountain Time**
  - **Development of watershed groups**
  - **Watershed restoration planning**
  - **Project scoping and design**

Overview

Cooperative Watershed Management Program

- Encourage diverse stakeholders to form local solutions
- Support water supply reliability and reduce conflict
- Since 2012, Reclamation has provided $5 million to develop 57 watershed groups and $560,000 for six watershed management projects.

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Applicant Eligibility

Cooperative Watershed Management Program

- There are two categories of eligible applicants:
  - New watershed group
  - Existing watershed group
- All applicants must be located in one of the following states or territories in order to be eligible: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington, Wyoming, American Samoa, Guam, the Northern Mariana Islands, and the Virgin Islands

Applicant Eligibility
Cooperative Watershed Management Program

- **Applicant Eligibility for New Watershed Groups:**
  - States, Indian tribes, local and special districts (e.g., irrigation and water districts), local governmental entities, interstate organizations, and non-profit organizations who:
    - Significantly affects or is affected by the quality or quantity of water in a watershed;
    - Is capable of promoting the sustainable use of water resources; and,
    - Is located in one of the states or territories identified in the previous slide
- **Applicant Eligibility for Existing Watershed Groups**
  - To receive an award for an existing watershed group, applicants must be an eligible entity as described above and must either be:
    - a “grassroots, non-regulatory legal entity” that meets the definition of a watershed group in Section A.2. of the FOA, or
    - A participant in an existing watershed group that meets the definition in A.2. of the FOA.

Applicant Eligibility
Cooperative Watershed Management Program

- **Definition of a Watershed Group in Section A.2. of the FOA:**
  - A "watershed group," as defined in Section 6001(5) (see *Section A.3. Statutory Authority* for full citation) of the Cooperative Watershed Management Act (Act) is a grassroots, non-regulatory entity that addresses water availability and quality issues within the relevant watershed, is capable of promoting the sustainable use of water resources in the watershed, makes decisions on a consensus basis, and represents a diverse group of stakeholders, including hydroelectric producers, livestock grazing, timber production, land development, recreation or tourism, irrigated agriculture, the environment, municipal water supplies, private property owners, Federal, state and local governments, and tribes. (See Section 6001(5) of the Act for the statutory definition of a "watershed group").

Eligible Project Types

Cooperative Watershed Management Program

- **Applicants can apply for funding for activities within one or more of the following three Task Areas**
  - **Task A - Watershed Group Development:** This includes efforts to establish or expand a watershed group, including developing a mission statement, conducting outreach, and conducting pre-planning activities.
  - **Task B - Watershed Restoration Planning:** Developing or updating a watershed restoration plan, mapping and modeling, technical assessments of water quantity or quality, collaborating with stakeholder to gather information and to seek input, developing restoration goals and general watershed management project concepts, and creating a matrix to evaluate and prioritize potential projects.
  - **Task C - Watershed Management Project Design:** Conducting an analysis to prioritize watershed management projects and identify specific project locations, completing site-specific design and engineering, developing project timelines and milestones, and researching potential environmental compliance requirements.

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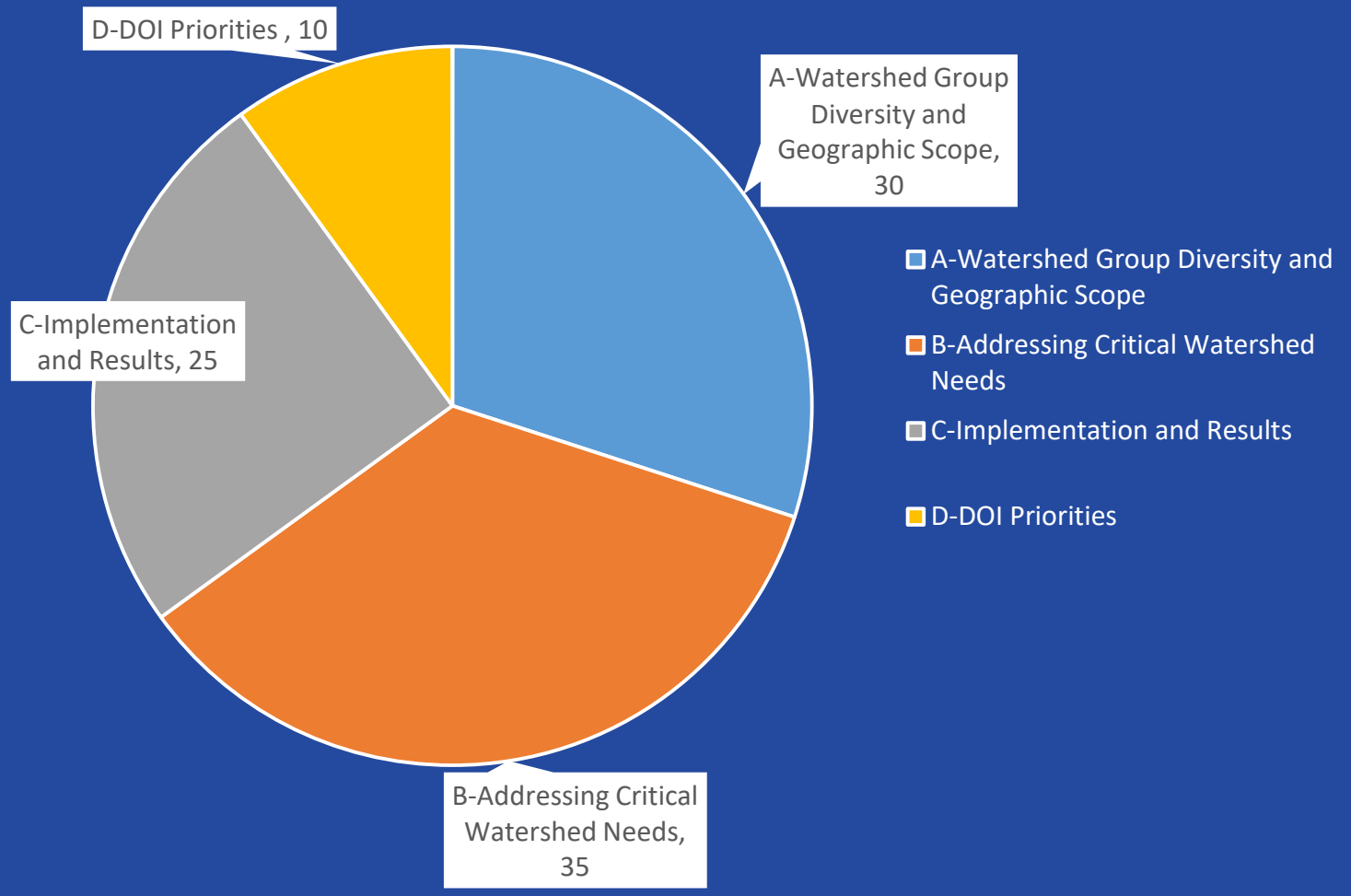
WaterSMART Grants

Water and Energy Efficiency Grants

Evaluation Criteria



Evaluation Criteria

Cooperative Watershed Management Program

Evaluation Criterion A—Watershed Group Diversity and Geographic Scope (30 points)

- Diverse stakeholder interests and sectors are represented within the group
- Greater consideration for small to medium watersheds (8 digit HUC) and groups whose work extends to entire watershed.

Evaluation Criterion B—Addressing Critical Watershed Needs (35 points)

- Describe the critical issues or needs within the watershed
- Describe how the work funded under this program will benefit the issues or needs identified.
- Note: specific guidance is provided by task area

Evaluation Criterion C—Implementation and Results (25 points)

- Ability to meet program requirements evaluated based on schedule with milestones broken out for each task, start and end dates, and budget identifying costs for each task.
- Building on relevant Federal, state or regional planning efforts, e.g., water conservation or drought plans or plans that meet EPA criteria for Nonpoint Source Management Program or Watershed Based Plans.

Evaluation Criterion D—Department of the Interior Priorities (10 points)

- Demonstrate that the project supports the Department of the Interior priorities.

Cooperative Watershed Management Program- *Program Requirements Summary*

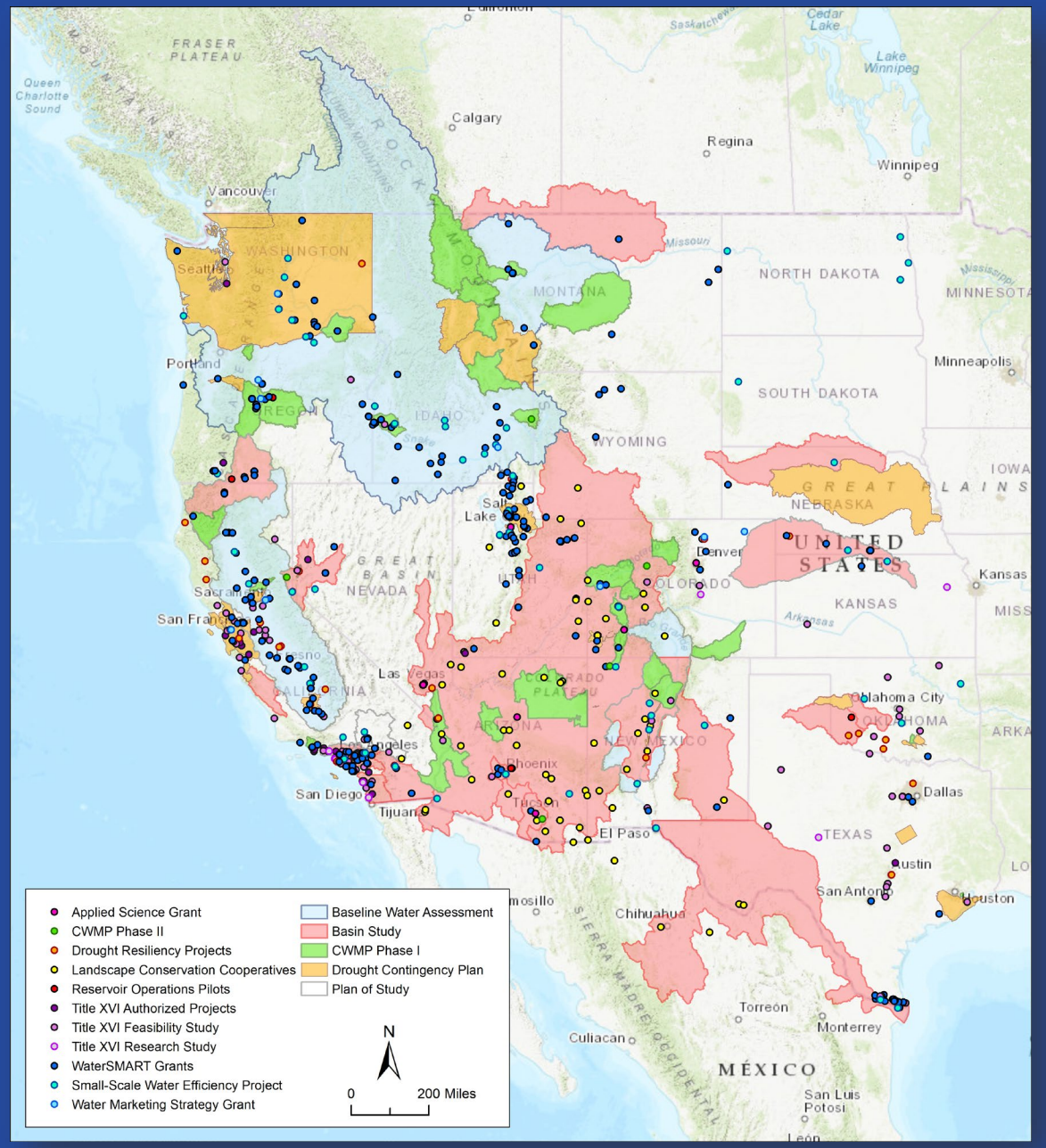
Eligible Applicants	Existing watershed groups and applicants to establish new watershed groups, including States, Indian tribes, local and special districts, local governmental entities, interstate organizations, and non-profit organizations.
Funding Groups	Up to $100,000 in Federal funds per applicant per award, with no more than $50,000 made available in each year for a period of up to two years.
Cost Share	Non-Federal cost-share is NOT required
Required Project Components	Quarterly financial and performance reports, 270-day sufficient progress report, and final report.
Evaluation Criteria	Applications will be evaluated against the evaluation criteria which comprise a total of 100 points.

FOA Deadline: Wednesday, November 13, 2019, at 4:00 p.m. MDT

WaterSMART Data Visualization Tool

- Provides users with interactive maps of each WaterSMART Program and project
- Includes Featured Project tours
- Shows program growth since 2010
- Recently updated with new application features

WaterSMART Data Visualization Tool



WaterSMART Program Links

Basin Studies	Basin Studies - https://www.usbr.gov/watersmart/bsp/index.html WWRA - https://www.usbr.gov/watersmart/wcra/index.html Reservoir Operations - https://www.usbr.gov/watersmart/wcra/reservoirpilot.html Applied Science Tools - https://www.usbr.gov/watersmart/lcc/index.html
Title XVI	https://www.usbr.gov/watersmart/title/index.html
WaterSMART Grants	Water and Energy Efficiency Grants - https://www.usbr.gov/watersmart/weeg/index.html Small-Scale Water Efficiency Grants - https://www.usbr.gov/watersmart/weeg/ssweg.html Water Marketing Strategy Grants - https://www.usbr.gov/watersmart/weeg/watermarketing.html
Water Conservation Field Services	https://www.usbr.gov/waterconservation/
Drought	https://www.usbr.gov/drought/
CWMP	https://www.usbr.gov/watersmart/cwmp/index.html

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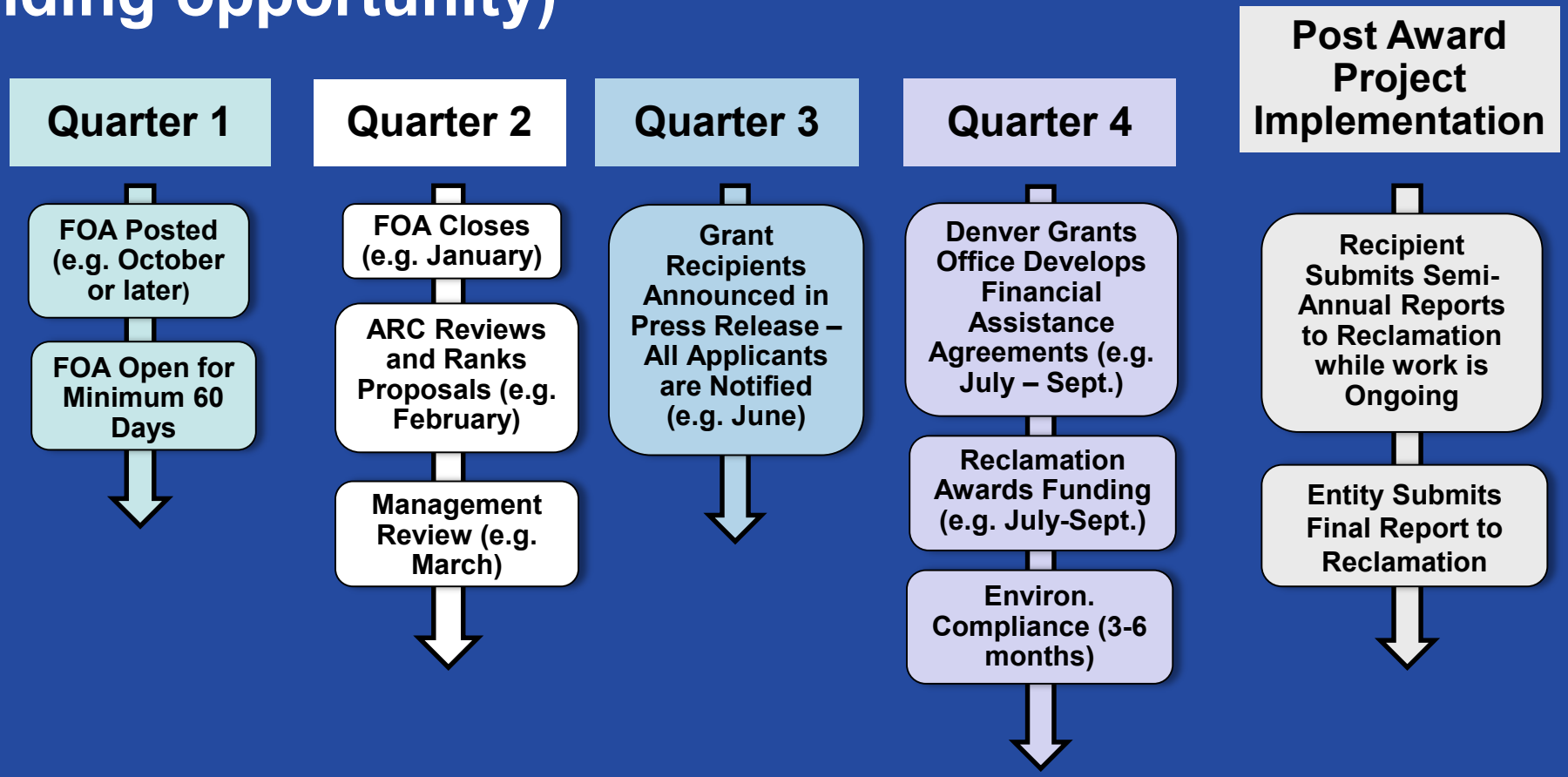
Application Tips

- Extra slides on application tips

WaterSMART Selection Process

Sample schedule for reference (dates not specific to any funding opportunity)



Application Tips

Evaluation Criteria *(note: these examples are not specific to the Applied Science Grants FOA, but are intended to provide general suggestions for successful applications)*

- **Copy and paste the evaluation criterion from the FOA verbatim above your response to that criterion. For Example:**

F. Criterion F: Implementation and Results

Subcriterion No. F.1: Project Planning

Does the project have a Water Conservation Plan and/or System Optimization Review (SOR) in place. Please self-certify, or provide copies of these plans where appropriate to verify that such a plan is in place.

Provide the following information regarding project planning:

(1) Identify any district-wide, or system-wide, planning that provides support for the proposed project. This could include a Water Conservation Plan, SOR, or other planning efforts done to determine the priority of this project in relation to other potential projects.
The District has a Water Conservation Plan, but a specific plan for this project has not been prepared. A Feasibility Study for the Phase 1 and Phase 2 project was completed in 2013 and adopted by the Board.

Application Tips

Evaluation Criteria

- **Address all parts of multi-part questions - each aspect counts**

Evaluation Criterion H: Connection to Reclamation Project Activities

1. How is the proposed project connected to Reclamation project activities?

BRCC receives water through Cutler Reservoir. Cutler Reservoir belongs to PacifiCorp Which has senior rights to the flows that are stored in Hyrum Reservoir which are a Reclamation Project. Hyrum Reservoir provides water to run PacifiCorp hydroelectric facility on the Bear River. PacifiCorp has an obligation to deliver all of BRCC's water through Cutler Reservoir.

2. Does the applicant receive Reclamation project water?

No. BRCC receive out water through the Bear River.

3. Is the project on Reclamation project lands or involving Reclamation facilities?

No.

4. Is the project in the same basin as a Reclamation project or activity?

Yes, the project is located in the Bear River Basin where a number of Reclamation projects are located.

5. Will the proposed work contribute water to a basin where a Reclamation project is located?

Yes, as the project conserves water and reduces losses and will help contribute to the storage and potential flows in the Bear River and eventually to the Great Salt Lake. The Bear River is a main tributary to the Bear River Migratory Bird Refuge and the Great Salt Lake by conserving water and allowing it to move through the river to enhance habitats and recreational opportunities.

6. Will the project help Reclamation meet trust responsibilities to Tribes?

No.

Application Tips

Evaluation Criteria

- **Be sure to provide as much support as possible for statements included in the proposal, including graphs and figures. For example:**

Canal Lining/Piping: Canal lining/piping projects can provide water savings when irrigation delivery systems experience significant losses due to canal seepage. Applicants proposing lining/piping projects should address the following:

a) How has the estimated average annual water savings that will result from the project been determined? Please provide all relevant calculations, assumptions, and supporting data.

Two inflow/outflow tests were done in August 2016. The first tests were done at intervals of approximately one mile along the entire length and a more detailed follow up study was done in the high flow loss areas. The canal diversion gates were closed during the tests. More details about the tests are given in the following section.

The water savings were determined for each of the canal segments by finding the difference in flow through a segment of canal, measured in cubic feet per second. These flows were then converted to an acre feet per year volume assuming a six-month irrigation season. The following equation shows how the total savings for the Project were calculated.

Overall project annual acre-feet savings per mile equation:

$$\left[\left(\frac{(35cfs-27cfs)+(14cfs-11cfs)}{(41450ft-39020ft)+(52600ft-50630ft)}\right)*\frac{60sec}{min}*\frac{60min}{hr}*\frac{24hr}{day}*\frac{30day}{mo}*\frac{6mo}{yr}*\frac{1ac}{43560ft^2}*\frac{5280ft}{1mile}\right]$$

Application Tips

Evaluation Criteria

- **Unsupported claims do not receive a high scores from the ARC:**

During the summer of 2016, staff estimated flows at all Main Canal lining drain exits. This was done by visual inspection and estimation of the amount of water flowing by an experienced Watermaster and engineering staff.

Over the years, staff has gained considerable experience in estimating flows by sight when comparing visual estimates to measured flow at lining drain exits where weir blades could be installed relatively easily. Staff also gained considerable confidence estimating these flows during the 2015 drought when looking for the best sites to install diesel powered pumps to pump the exiting water back to the Main Canal.

Application Tips

Preparing your Budget

Budget:

Do not provide lump sums. Instead you should provide a detailed breakdown of costs and provide additional details in the budget narrative.

Be sure to include the total project cost, not just the Federal funding. (See example)

Do not need to specify activities that will be funded via Federal/Non-Federal funds. Complete the budget for all project costs.

BUDGET ITEM DESCRIPTION	COMPUTATION		Type	Proposed Total Cost	Approved Total Cost
	$/Unit	Quantity			
Salaries and Wages					
LCFWG - Watershed Coordinator	$27.21	350	Hours	$9,524	
LCFWG - WRP Developer	$21.77	525	Hours	$11,429	
			Subtotal	**$20,953**	**$21,000**
Travel					
LCFWG	$0.55	2450	Miles	**$1,335**	**$1,350**
Supplies and Materials					
Chest waders and boots	$220.00	2	wader sets	**$440**	**$450**
Contractual					
Design Engineering Services					
project manager	$150	53	hours	$7,950	
project engineer	$150	53	hours	$7,950	
survey crew (crew of 2)	$90	60	hours	$5,400	
survey technician	$90	65	hours	$5,850	
Survey Grade GPS rental	$300	6	days	$1,800	
Mileage	$0.55	625	miles	$341	
Lodging	$80	8	nights	$640	
Per diem	$35	8	days	$280	
Materials	$100	1	lump sum	$100	
			Subtotal	**$30,311**	**$30,300**
Other					
TU Subaward					
Salaries and Wages					
Engineer	$32.69	240	hours	$7,846	
Project Manager/Ecologist	$24.04	610	hours	$14,664	
Fringe Benefits					
All employees	43%	$22,510	salaries	$9,679	
Travel					
mileage	$0.55	2035	miles	$1,109	
Lodging	$80	8	nights	$640	
Supplies and Materials					
miscellaneous	$322	1	lump sum	$322	
survey equipment rental	$50	4	days	$200	
Indirect costs					
2018 provisional	15.89%	$34,460		$5,476	
			Subtotal	**$39,936**	**$40,000**
TOTAL DIRECT COSTS				**$92,975**	**$93,100**
Indirect Costs					
De minimis	10%	$72,800	MTDC	**$7,280**	**$6,900**
TOTAL ESTIMATED PROJECT COSTS				**$100,255**	**$100,000**

Application Tips

- The technical proposal and evaluation criteria is limited to 20 pages. See section D.2.1. of the funding opportunity announcement for more information.
- Any pages that exceed the page limit will not be reviewed by the application review committee
- Page size shall be 8 ½ x 11 inches, standard one-inch margins, and 12 point font

Application Tips

Preparing your Budget

Project Costs

- Project Costs must be “allowable, allocable and reasonable” (2 CFR 200.402-405)
- *Allowable* costs could include:
  - Labor
  - Equipment
  - Materials
  - Contracts
  - All costs must be *directly related* to the project
- Costs that are *not* allowable could include:
  - Pre-Selection work including grant proposal preparation
  - General marketing or advertisements not required for the project

Application Tips

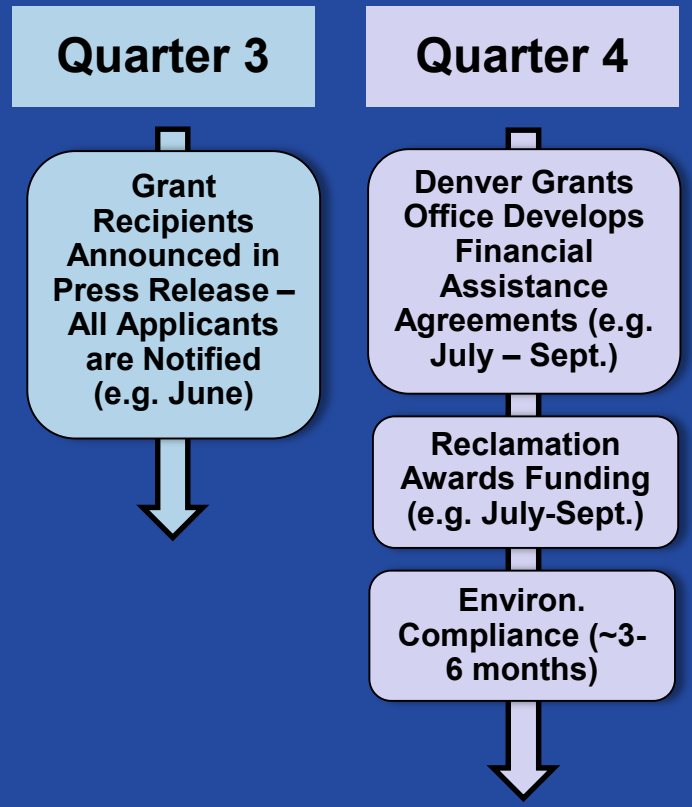
Preparing to Submit your Proposal – Get Registered

- **Start necessary registrations early – processes take time**
  - **DUNS (Data Universal Number System) Number – used to establish a business credit file and *required to register in SAM.gov***
  - **SAM.gov (System for Award Management) – required to receive a Federal grant or cooperative agreement. Register in SAM early! It can take up to 6 weeks to get registered and you need a completed SAM.gov registration before registering in grants.gov**
  - **ASAP.gov (Automated Standard Application for Payments) – required to access awarded Federal funds**
- **Register in https://www.grants.gov/ well before the application deadline. DO NOT wait to the last minute to submit the application. Processing issues have occurred that render applications submitted at the last moment ineligible.**
- **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**

Pre-award Determinations

Preparing to Submit your Proposal

- Your project was selected for funding! Now what?
  - Determination of allowability of costs and existence of appropriate business systems and practices
  - Financial assistance agreement developed and finalized
  - Environmental compliance completed
  - Recipients notified when work can begin



What to provide

- **Project Budget Cost Support**
  - Documentation that supports the unit price for each budgeted item
  - Documentation of any requested pre-award costs

- **Financial Management and Business Processes**
  - Financial Management
  - Procurement
  - Timekeeping
  - Contract Management
  - Property Management

- **Audit**
  - Single Audit
  - or Pre-award Systems Survey