

# WaterSMART Program

April 1, 2019

# 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.

**Basin Study Program**  
Collaborative Planning

**Title XVI Program**  
Water Reclamation and Reuse

**WaterSMART Grants**  
Water Conservation and Efficiency

**Water Conservation Field Services Program**  
Water Conservation Planning and Design

**Drought Response Program**  
Planning and Building Resiliency

**Cooperative Watershed Management Program**  
Watershed Management and Restoration

# WaterSMART Program

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- **Increases water supply reliability through investments and attention to local water conflicts**
- **Supports water conservation and water management improvements to help meet competing demands for water**
- **Leverages Federal and non-Federal funding**
- **Relies on collaboration with stakeholders to develop local solutions to water supply issues**



**Growing Populations**



**Restoration Needs**



**Drought**

# WaterSMART Funding Opportunities

## Eligible Applicants

- States, Indian Tribes, Irrigation Districts, Water Districts, Other organizations with water and power delivery authority.

## Cost Share

- 50% non-Federal cost-share requirement (in kind contributions are allowed)

## Time Frame for Completion

- 2-3 years depending on the program and funding group

## Funding Amounts

- Amount of Federal funding that may be requested per project varies, ranging from \$75k to \$1.5 million

## Prioritization Criteria

- Criteria vary by program, but generally include project benefits, stakeholder support and/or planning, project implementation, and nexus to Reclamation.

Note: CWMP applicant eligibility differs from other programs

# WaterSMART Grants



Map of FY 2018 WaterSMART Grants



**Water and Energy Efficiency Grants**



**Small-Scale Water Efficiency Projects**



**Water Marketing Strategy Grants**

# WaterSMART Grants

Water and Energy Efficiency Grants (FY19 appropriations \$25 million)

- Water and Energy Efficiency
- Canal lining/piping
- Municipal metering
- Irrigation flow measurement
- SCADA
- Landscape irrigation measures
- Hydropower
- 50/50 cost share –
  - Funding Group I: Up to \$300k in 2 years;
  - Funding Group II: Up to \$1.5 million in 3 years
- Criteria: Quantify water savings



# WaterSMART Grants

Small-Scale Water Efficiency Projects (FY19 appropriations \$3 million)

- **Small-scale on-the-ground projects**
  - Canal lining/piping
  - Automation
  - Metering and flow measurement
  - Landscape irrigation measures
- **50/50 cost share - up to \$75K in Federal funds; maximum total construction costs of \$200K per project**
- **Streamlined Application Process**
  - Simplified Evaluation Criteria
  - Clarified necessary budget documentation



# WaterSMART Grants

Water Marketing Strategy Grants (FY19 appropriations \$3 million)

- Strategies to establish or expand water markets or water marketing activities
- 50/50 cost share
- Funding Group I – Up to \$200k for a 2-year project
- Funding Group II – Up to \$400k for a 3-year project
- Funding may be used for planning activities, including:
  - Outreach and partnership building
  - Scoping and planning activities
  - Development of a framework (processes, approach, agreements, etc) for implementation







# WaterSMART - EQIP Collaboration

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- The purpose of the partnership is to maximize the benefits of the water conservation & efficiency programs of both agencies through collaboration
- Reclamation provides funding through WaterSMART Grants to irrigation and water districts for improvements to delivery systems that conserve water. Reclamation prioritizes projects that complement on-farm water efficiency projects that could be funded under EQIP
- NRCS may prioritize on-farm water conservation improvements that complement WaterSMART projects. For more information, please contact your local NRCS office. See [www.nrcs.usda.gov](http://www.nrcs.usda.gov) for further contact information in your area



# WaterSMART - EQIP Collaboration

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## Options for Producers to receive NRCS Funding Assistance:

- Producers apply for regular EQIP assistance – available to all
- NRCS may target additional EQIP funds just for producers in approved WaterSMART project areas
- Water districts may work with NRCS state office to produce projects with associated funding specific for their system
- Additional option under state EQIP funding
- Regional Conservation Partnership Program (RCPP)

# Drought Response Program

(FY19 appropriations \$9 million)



**Drought Resiliency Projects**



**Drought Contingency Planning**

# Drought Response Program- Drought Resiliency Projects

## Eligible Projects Include:

- Infrastructure Improvements
  - Modifying surface water intakes
  - New conveyance system components
  - Additional water storage
  - Recharge facilities
  - Capture and treat alternative supplies
- Decision Support Tools & Modeling
  - Tools to support water marketing
  - Tools to convey water supply information
  - Measurement
- Environmental Protection
  - Improve habitat
  - Install fish screens and ladders



Projects build resilience to drought



Projects supported by a drought plan are more competitive



Funding Level I: \$300k 2 years  
Funding Level II: \$750k 3 years

# Drought Response Program- Drought Contingency Plans

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The East Bay Municipal Utility District and other regional water management agencies within the Bay Area in California will develop a drought contingency plan

The Washington State Department of Ecology will update its drought contingency plan, last published in 1992.

The Dolores Water Conservancy District in Colorado will develop a drought contingency plan with the Ute Mountain Ute Tribe Farm and Ranch Enterprise, and the Montezuma Valley Irrigation Company.



# Cooperative Watershed Management Program

(FY19 appropriations \$2.25 million)



Phase I

- Watershed group development, restoration, and watershed management project design

Phase II

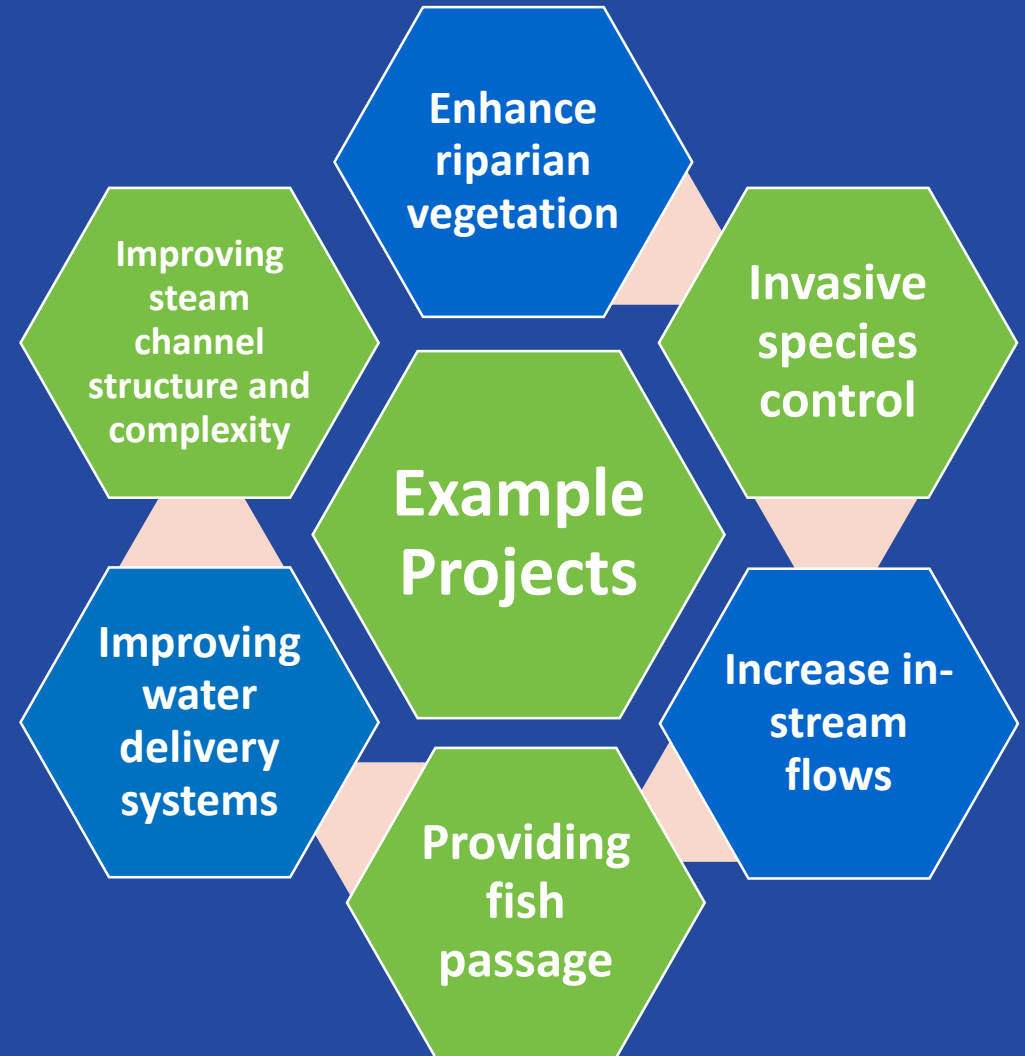
- Implement watershed management projects

Note: Applicant eligibility differs from other programs

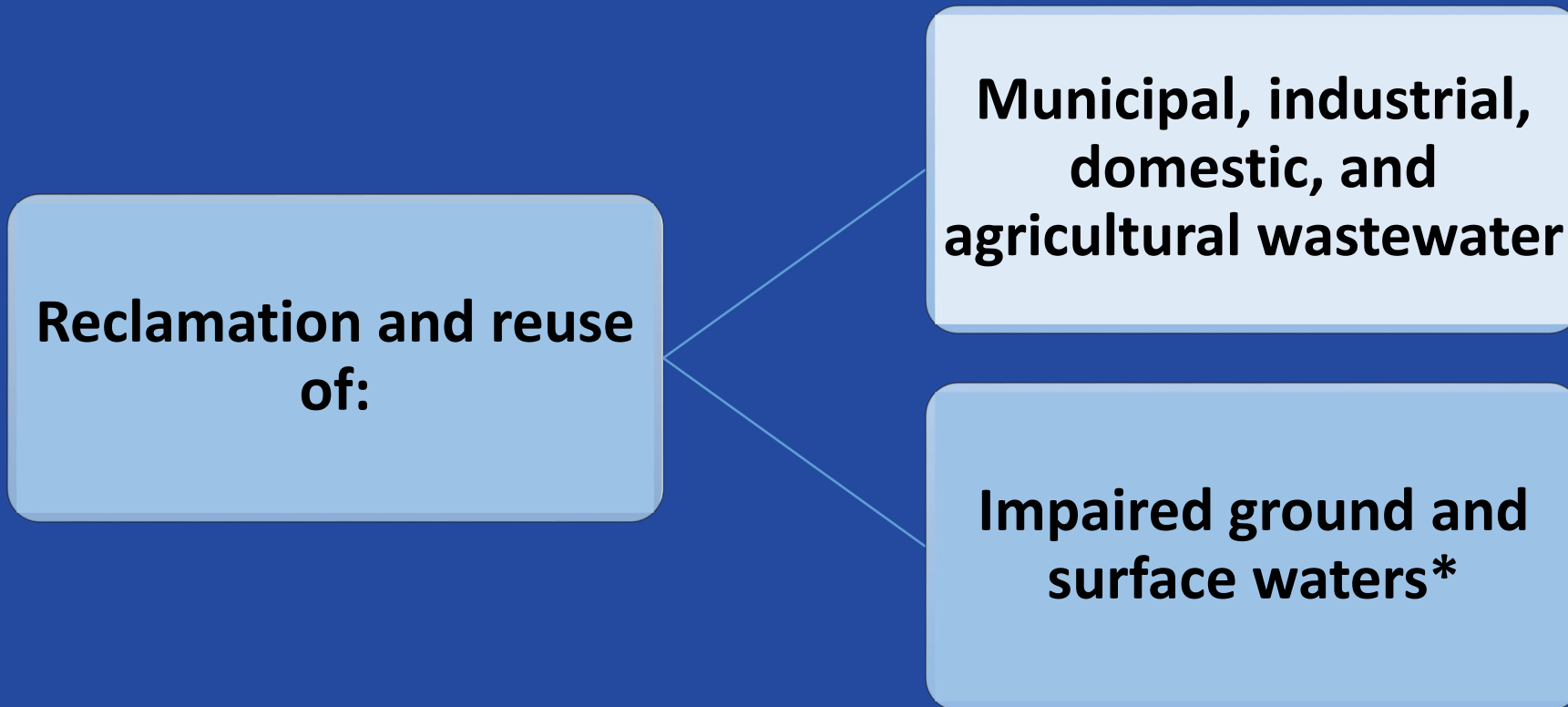
# Cooperative Watershed Management Program

Phase II

- Implement watershed management projects



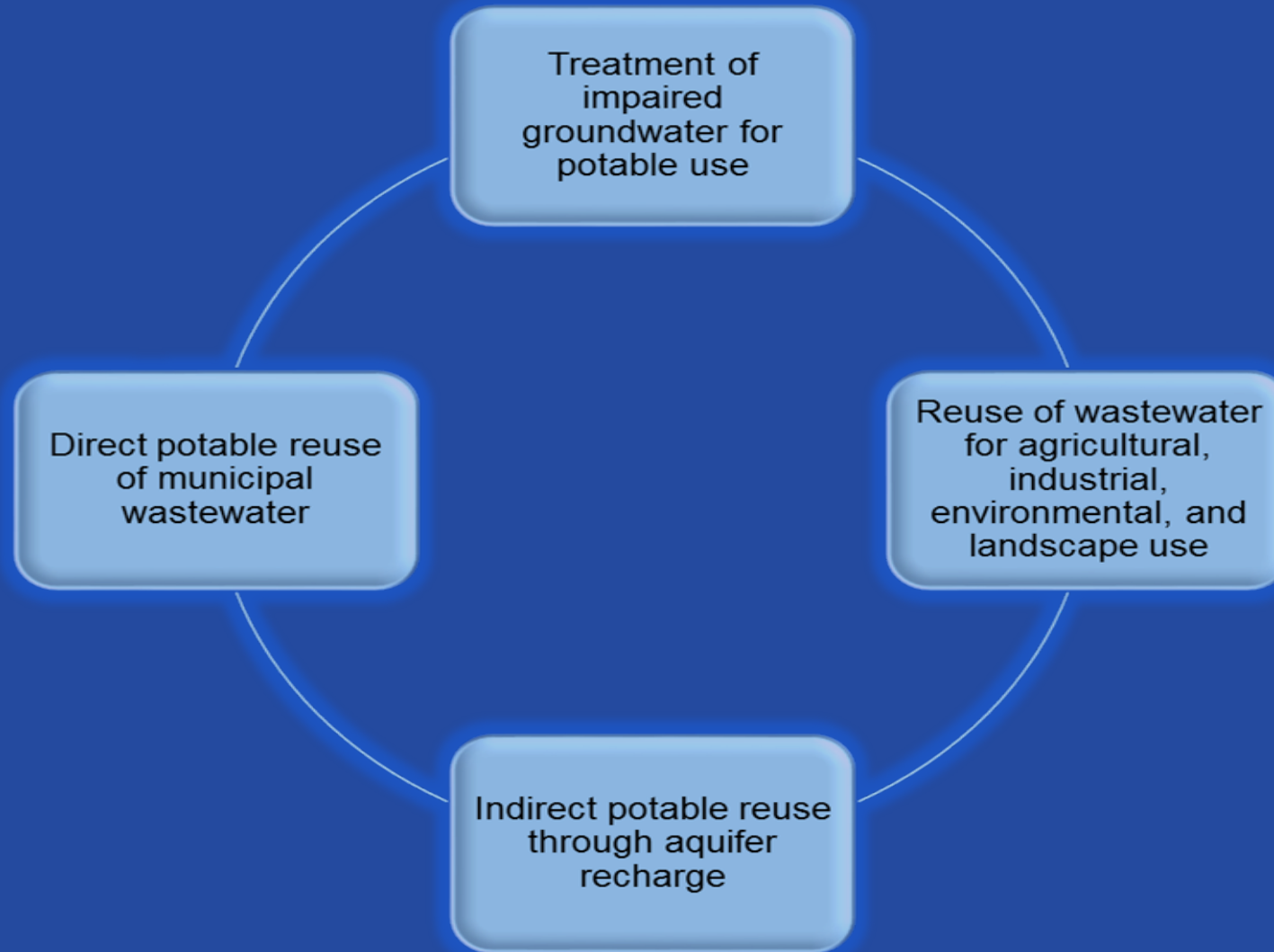
# Title XVI Water Reclamation and Reuse Program



\*Projects that are solely ocean water or brackish water desalination are not eligible under Title XVI unless they are specifically authorized



# Examples of Types of Projects



# Two Ways for Projects to be Eligible

- 1. Project specific congressional authorization in the UC TX area**
  - El Paso Water Reclamation and Reuse Project
- 2. Water Infrastructure Improvements for the Nation (WIIN) Act**
  - Included amendments to the Title XVI Program to allow new reclamation and reuse projects to compete for funding in the UC TX area
    - El Paso Water Utilities Board, Advanced Water Purification Facility

# WIIN Act

- **Water Infrastructure Improvements for the Nation (WIIN) Act, P.L. 114-322**
- **Section 4009(c) amendments provide a path for new water reclamation and reuse projects to become eligible to compete for Title XVI funding**

(c) AUTHORIZATION OF NEW WATER RECYCLING AND REUSE PROJECTS.—Section 1602 of the Reclamation Wastewater and Groundwater Study and Facilities Act (title XVI of Public Law 102–575; 43 U.S.C. 390h et. seq.) is amended by adding at the end the following new subsections:

subsections:

# WIIN Process

Submit Feasibility Study for Reclamation Review

Feasibility Study Review in Accordance with Reclamation Manual Release WTR 11-01

Eligible to Apply for Funding Through the Competitive Process

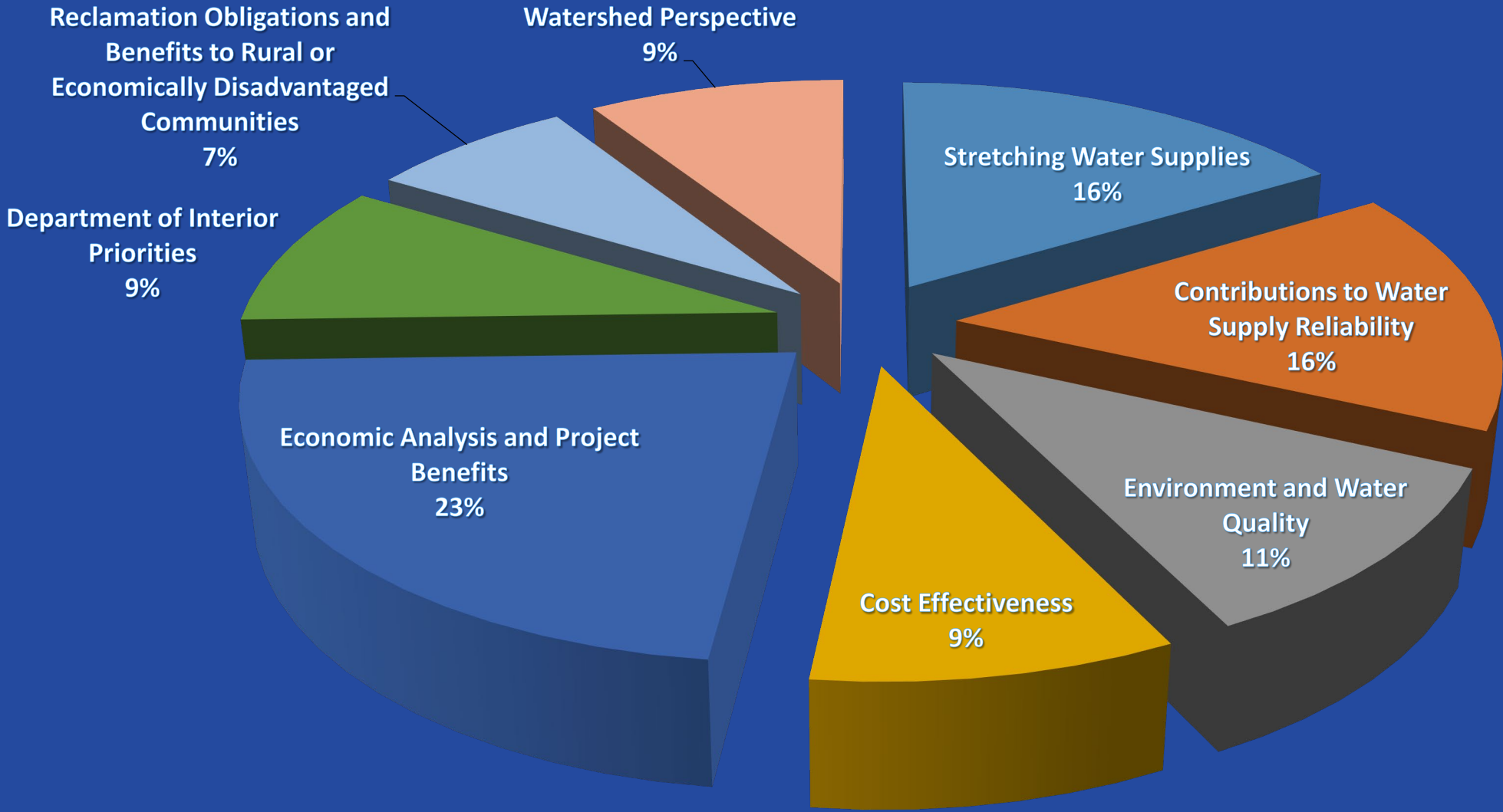
Transmittal of Feasibility Study Review Findings to Congress

Results of Competitive Process Transmitted to Congress for inclusion in Enacted Appropriation Legislation

# FY 2019 Title XVI Funding Opportunity

- **Maximum federal cost share – 25%**
  - Can request up to 25% of the cost of work that will be completed over the next two years
  - Can reapply each year until Federal share reaches 25% of total project cost, up to \$20 million
- **Pre-award costs are allowed**
  - Authorized projects = date of congressional authorization
  - WIIN projects = date feasibility study findings are transmitted to Congress
- **NEPA must be complete prior to the commencement of ground disturbing activities**

# Title XVI Evaluation Criteria



# FY 2019 Title XVI Research FOA

- **Maximum federal cost share – 25%**
- **Three types of projects:**
  1. **Up to \$75,000 in Federal funds for desktop research studies to develop science and decision-support tools to assist communities in decision-making related to implementing or expanding water reclamation projects**
  2. **Up to \$150,000 in Federal funds for research projects focused on improvements to existing facilities**
  3. **Up to \$300,000 in Federal funds for research projects that focus on state of the art technology verification at a new proposed location or community**

# Desalination

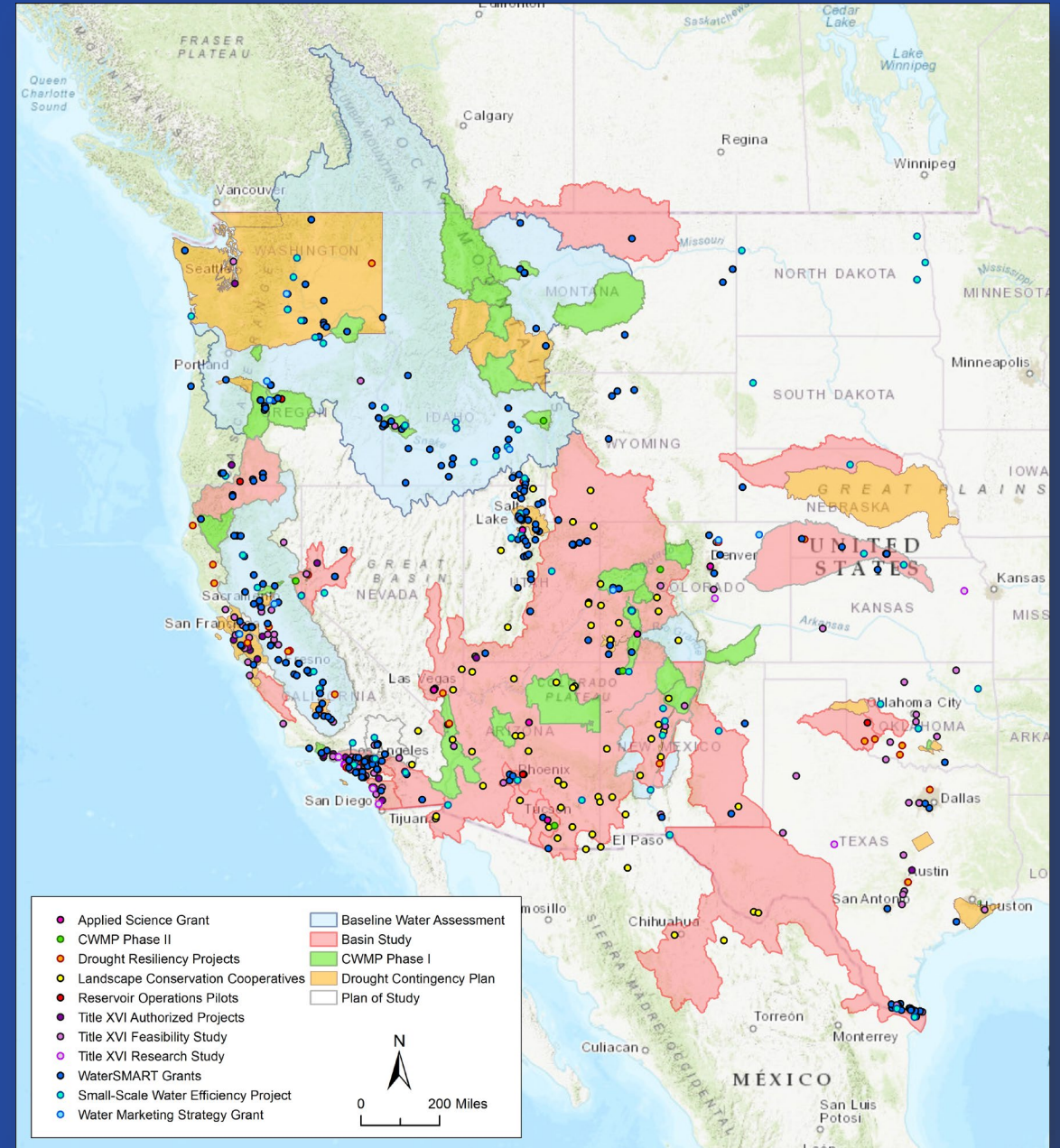
- **The Water Infrastructure Improvements for the Nation (WIIN) Act provides new authority to Reclamation to develop a desalination construction program that will provide a path for ocean or brackish water desalination projects to receive Federal funding**
- **To be eligible under the Desalination Construction Projects FOA, a feasibility study must be found to meet the requirements contained in Reclamation Manual Directives and Standards (WTR 11-01), and those findings have been transmitted to Congress**
- **The FOA is expected within the month**
- **The El Paso Water Utilities Public Service Board, Kay Bailey Hutchison Expansion is the only eligible project to date out of the UC Region**



# 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

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