



— BUREAU OF —
RECLAMATION

How to Win under the new “WIIN” Act

Central TX Water Conservation Symposium
February 13, 2020



Presentation Outline

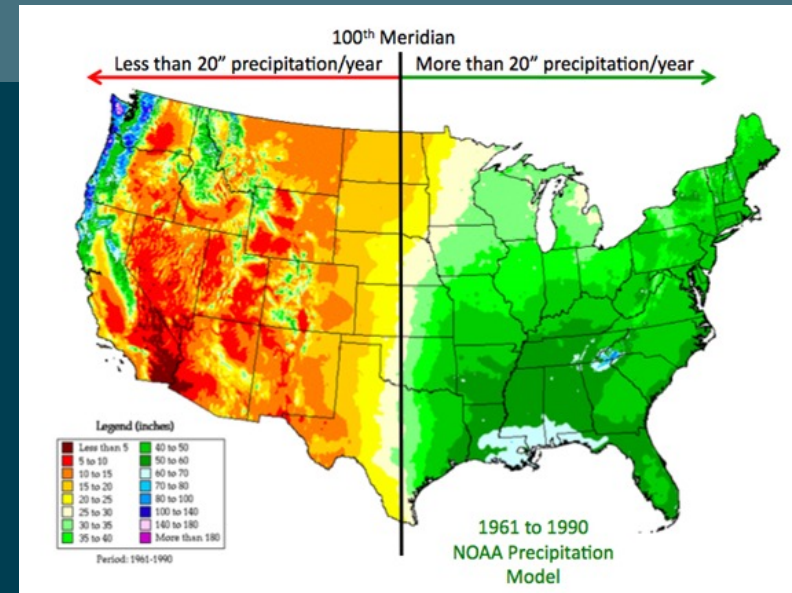
- Title XVI Program – The Old versus The New
- Nuts & Bolts: Who, What, When, Where, How?
- How to Win



Bureau of Reclamation

Agency Background

- Constructed more than 600 dams & reservoirs
- Provide water for 60% of nation's vegetables and 25% of fruits/nuts
- Provide drinking water to 31 million people annually
- 90 million visitor days per year
- The 2nd largest hydro producer, with 58 hydropower facilities producing 41 billion kwh



Oklahoma-Texas Area Office

- 11 reservoirs with a total capacity of 4.2 million acre-feet.
- M&I - 539,000 acre-ft/yr to about 2.7 million customers.
- Irrigation – 111,000 acre-ft/yr for about 63,000 acres.
- 5 million visitor-days each year.



Summary of Grants

Visit: <https://www.usbr.gov/watersmart/>

Planning, Science, Tools

- ***Title XVI Feasibility Study Grants***
- ***Title XVI Research Grants***
- Applied Science Grants
- Cooperative Watershed Management Grants
- Drought Contingency Planning Grants
- Water Marketing Grants

Construction/Implementation

- Water & Energy Efficiency Grants
- Small-Scale Construction Grants
- Drought Resiliency Project Grants
- ***Title XVI Construction Grants***

Funding announcements occur throughout the year, so FY 20 and FY 21 announcements are right around the corner



"Typical" Process Overview

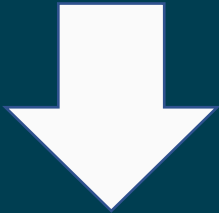


- Non-Federal sponsor owns and operates project
- Minimal Federal oversight
- Minimal reporting



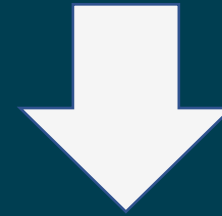
Title XVI Program – “Old” vs “New”

“Old” Title XVI Program



Special, project-specific Congressional authorization required

“New” Title XVI Program



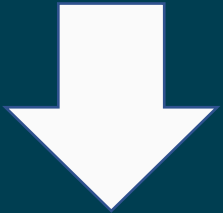
Blanket Congressional authorization for construction, provided that you complete a Reclamation-approved *Title XVI Feasibility Report*

Return to this soon



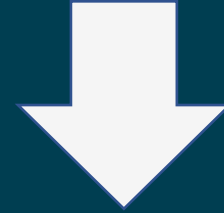
Title XVI Program – “Old” vs “New”

“Old” Title XVI Program



One pot of big \$\$
that you CANNOT
apply for
(unless you are California!)

“New” Title XVI Program



Two pots of even more
\$\$ that you CAN apply
for

Total: Three Pots of \$\$



Title XVI Program – “Old” vs “New”

This is a BIG deal for Texas!



Why is this a BIG DEAL?

There are a lot of entities in TX with approved feasibility reports!

- North Alamo Water Supply Corporation
- Laguna Madre Water District
- McAllen Public Utility
- Guadalupe Blanco River Authority
- City of Kyle
- El Paso Water Utilities
- Gulf Coast Waste Disposal Authority
- City of Fort Worth
- Tarrant Regional Water District
- City of Hudson Oaks
- City of Lubbock



Why is this a BIG DEAL?

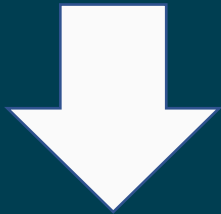
Who's going to be next?

- FY 2020 grant opportunity for feasibility studies? To Be Announced....
- Again, we will return to feasibility reports shortly



Title XVI Program – Annual Appropriations (FY 2017-2020)

“Old” Title XVI Program



\$~30 M that remains
inaccessible, only for
“Congressionally
Authorized Title XVI
Projects”

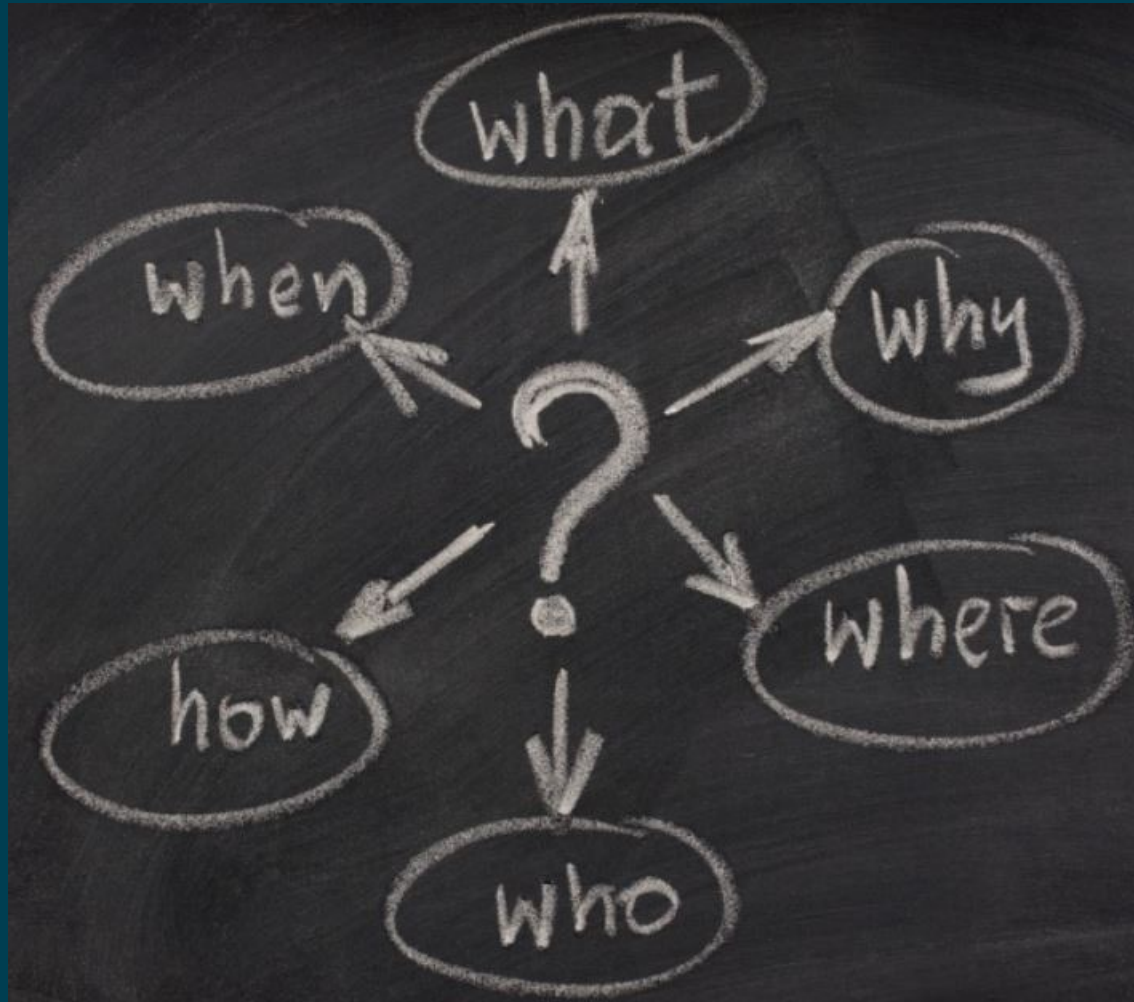
“New” Title XVI Program



\$~45 M for “WIIN
Title XVI Projects”,
WIIN Desalination
Projects” +
“Congressionally
Authorized
Projects”



Title XVI – The Nuts & Bolts



WHAT: is “WIIN”?

Public Law 114-322 (2016), Section 4009(c)

W Water
I Infrastructure
I Improvements for the
N Nation Act



WHAT: WIIN/Title XVI Activities Defined

“WIIN Title XVI Project”

- Treatment of an impaired source for beneficial use
 - Municipal effluent (NPR, IPR, DPR, PBR)
 - Agricultural return flows
 - Contaminated ground or stream water
 - Storm water

“WIIN Desalination Project”

- Desalination of brackish ground or surface water
- Desalination of seawater



WHAT: Other Title XVI Activities Defined

“Congressionally Authorized Title XVI Project”

- A specific project that was authorized by Congress back when we had ear marks and write-ins that is not you, so please do not be confused and apply under this announcement.

RECLAMATION

Managing Water in the West

Funding Opportunity Announcement No. BOR-DO-19-F007

WaterSMART:
Title XVI **Congressionally Authorized**
Water Reclamation and Reuse
Projects

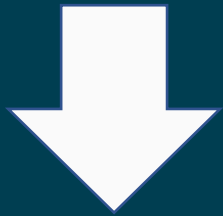


U.S. Department of the Interior
Bureau of Reclamation
Policy and Administration
Denver, Colorado

March 2019

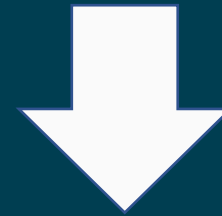
WHAT: is the cost-share?

Federal



25%, up to \$20 million

Non-Federal



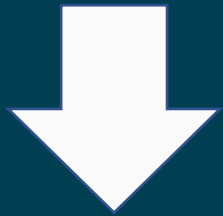
75%

Planning, Design, Piloting, Construction



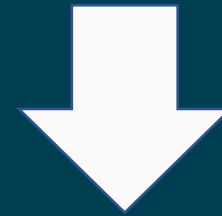
WHAT: is the cost-share?

Federal



ZERO

Non-Federal



100%

Operations, Maintenance, and Replacement



WHAT: is the cost-share?



Operat

Federal

%

placement



WHO: can apply under WIIN Title XVI & WIIN Desal?

- States
- Public agencies w/ water management authority
 - Districts
 - Cities
 - Authorities



WHO: can apply under WIIN Title XVI & WIIN Desal?

FY 19 Funding Opportunity Announcement

“Eligible entities under section 4009(c) include sponsors of Projects that have submitted a Title XVI Feasibility Study to Reclamation for review and the study has been found to meet all of the requirements of Reclamation Manual WTR 11-01: Title XVI Water Reclamation and Reuse Program Feasibility Study Review Process by the date that this FOA is posted.”



HOW: Report Elements & Review Process

<https://www.usbr.gov/recman/wtr/wtr11-01.pdf>

WTR 11-01

Reclamation Manual Directives and Standards

Subject:	Title XVI Water Reclamation and Reuse Program Feasibility Study Review Process
Purpose:	The purpose of this Directive and Standard (D&S) is to establish requirements and a review process for feasibility studies conducted under the Bureau of Reclamation's Water Reclamation and Reuse (Title XVI) Program. The benefits of this D&S include providing sufficient information for the formulation of feasibility studies for water reclamation and reuse projects and clearly stating Reclamation's review procedures.

HOW: Basic elements of a Title XVI Feasibility Report

Needs

Market

Alternatives

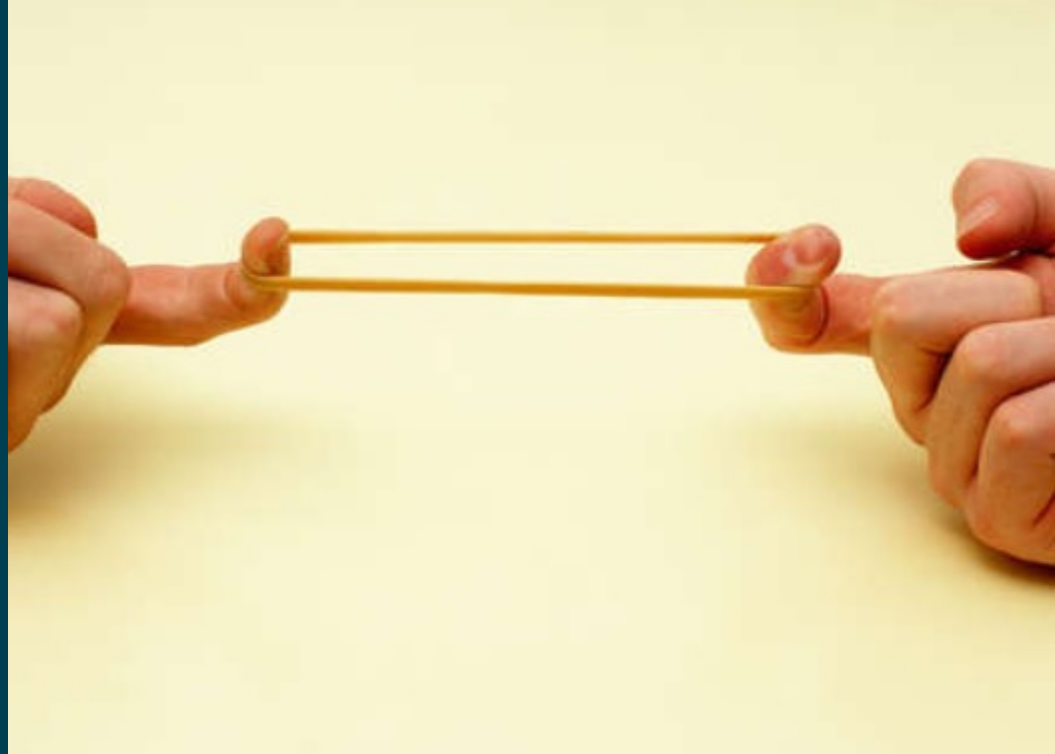
Costs

Economics



HOW: Basic elements of a Title XVI Feasibility Report

We strive for
flexibility



HOW: Basic elements of a Title XVI Feasibility Report

We can
adopt
previously
completed
studies

Crosswalk Table Required



HOW: Basic elements of a Title XVI Feasibility Report

We have a Reclamation-approved
Title XVI Feasibility Report

Now What?



HOW: to apply and “WIIN” the \$\$\$\$\$\$\$

Table 3.—Evaluation Criteria Points

Criterion	Points
Evaluation Criterion 1—Water Supply	35
Evaluation Criterion 2—Environment and Water Quality	12
Evaluation Criterion 3—Economic Benefits	35
Evaluation Criterion 4—Department of Interior Priorities	10
Evaluation Criterion 5—Reclamations Obligations and Benefits to Rural or Economically Disadvantaged Communities	8
Evaluation Criterion 6—Watershed Perspective	10



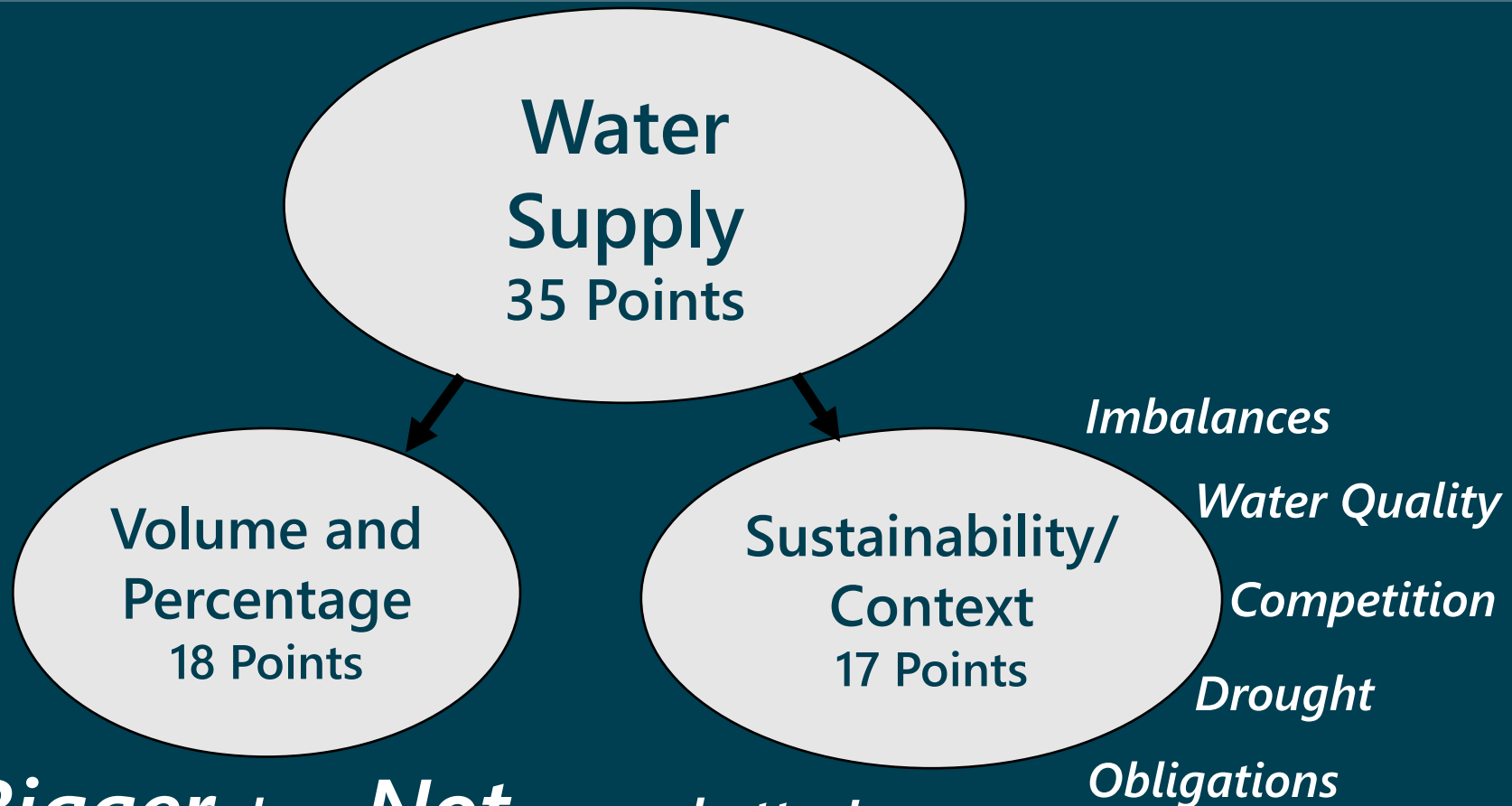
Tips: Water Supply & Economic Benefits (70 points!)

Table 3.—Evaluation Criteria Points

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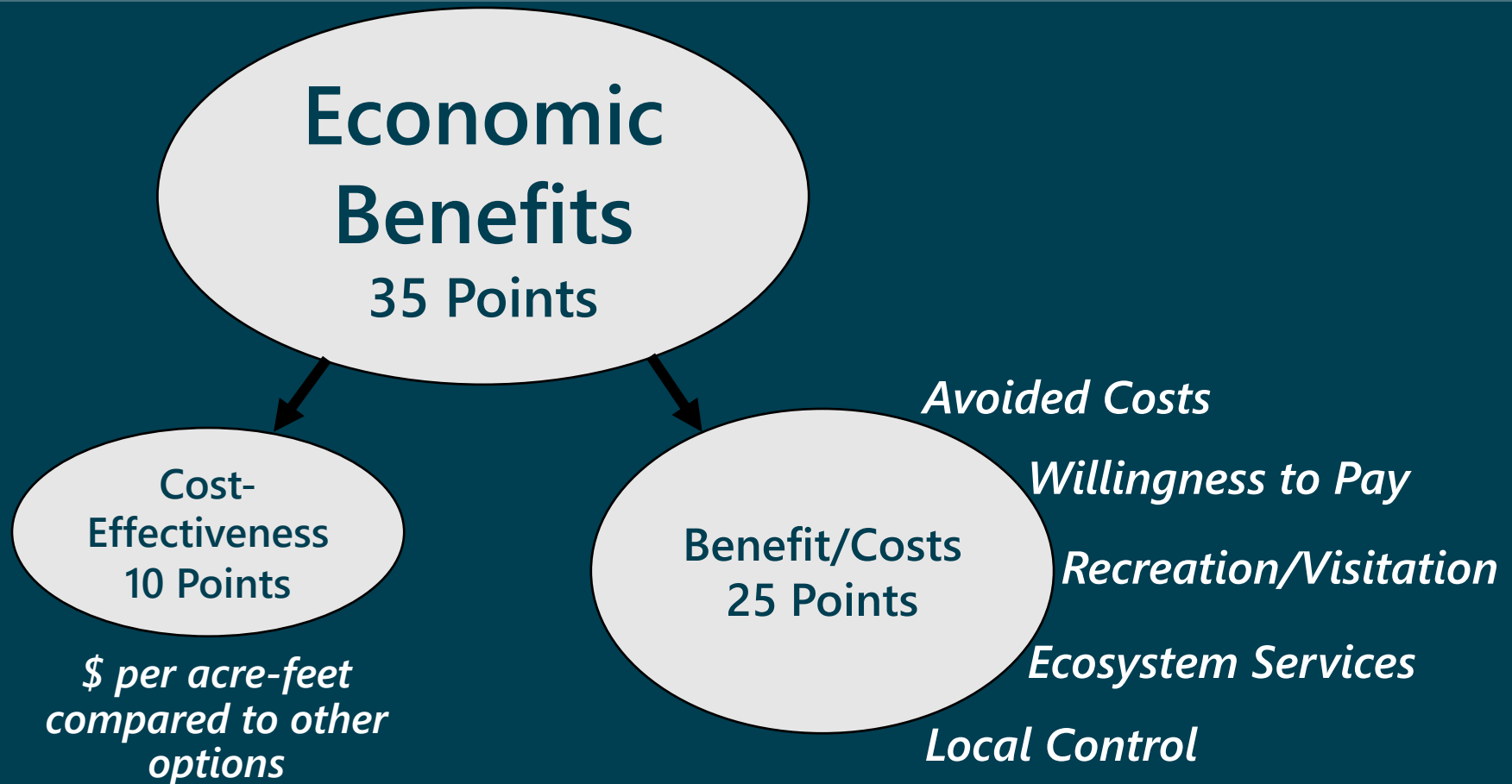
Tip: Statements should be supported w/ evidence



*Bigger does **Not** mean better!*



Tip: Follow the water! Capture both direct and indirect project benefits



**Tip: Don't reinvent
the wheel**

Approaches to monetizing project benefits

**Report Accessible at:
[https://www.usbr.gov/research/
/projects/detail.cfm?id=4180](https://www.usbr.gov/research/projects/detail.cfm?id=4180)**

RECLAMATION

Managing Water in the West

Development of Methodologies to Evaluate the Environmental, Financial and Social Benefits of Water Reuse Projects

FINAL REPORT

**Research and Development Office
Science and Technology Program
Final Report 2014-01-4180**



Submitted by:

U.S. Department of the Interior

Bureau of Reclamation, Technical Services Center, Denver CO

Bureau of Reclamation, Oklahoma-Texas Area Office, Austin TX



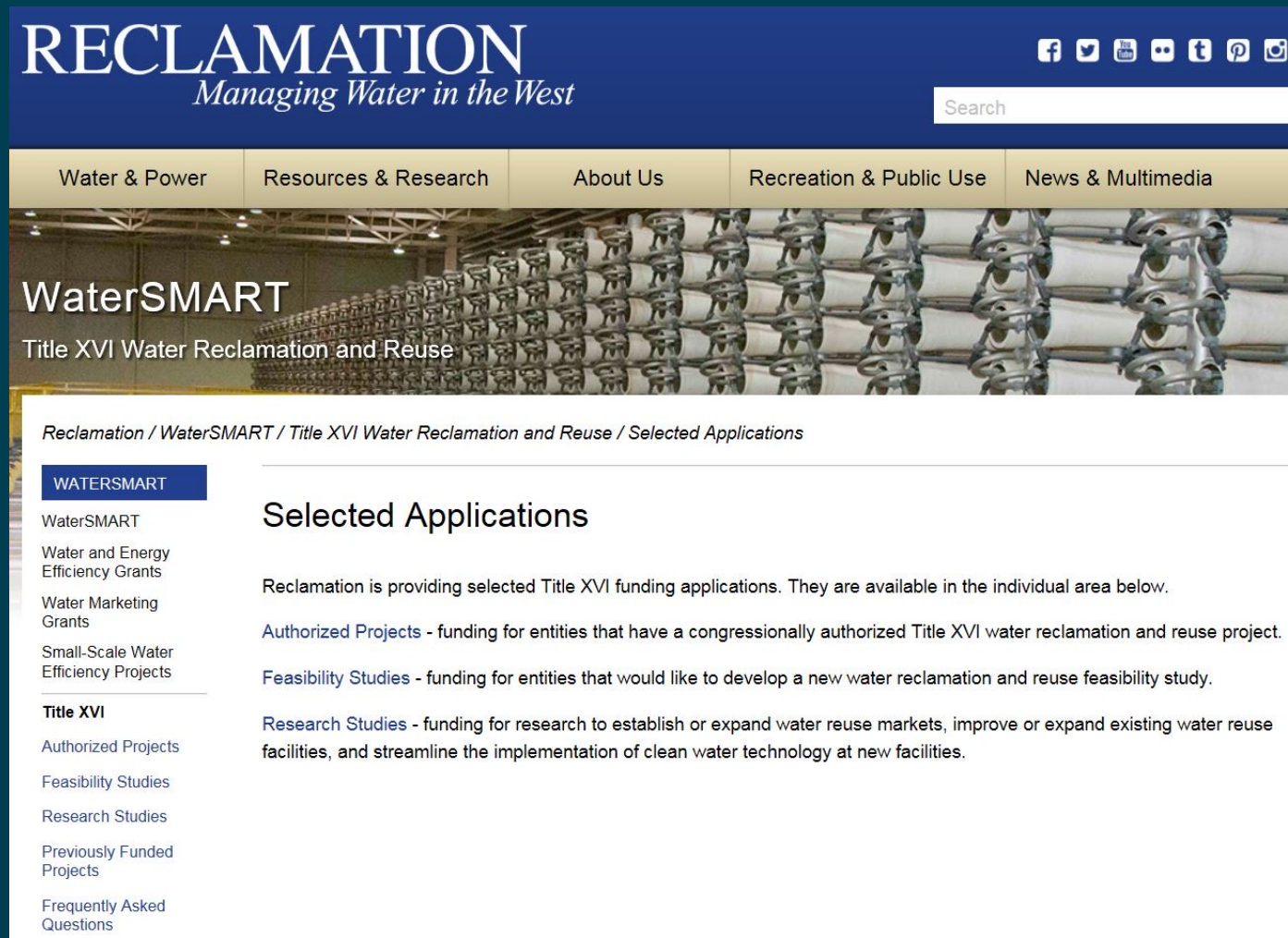
U.S. Department of the Interior
Bureau of Reclamation

November 2014

Tip: Don't reinvent the wheel

<https://www.usbr.gov/watersmart/title/applications/index.html>

Successful
applications
have been
posted
online!



The screenshot shows the RECLAMATION website header with the tagline "Managing Water in the West". A navigation bar includes links for Water & Power, Resources & Research, About Us, Recreation & Public Use, and News & Multimedia. A search bar is located on the right. The main content area features a large image of a water treatment facility with the text "WaterSMART Title XVI Water Reclamation and Reuse". Below this, a breadcrumb trail reads "Reclamation / WaterSMART / Title XVI Water Reclamation and Reuse / Selected Applications". A sidebar on the left contains a "WATERSMART" section with links to WaterSMART, Water and Energy Efficiency Grants, Water Marketing Grants, Small-Scale Water Efficiency Projects, Title XVI, Authorized Projects, Feasibility Studies, Research Studies, Previously Funded Projects, and Frequently Asked Questions. The main content area is titled "Selected Applications" and contains a paragraph stating that Reclamation is providing selected Title XVI funding applications. It lists three categories: Authorized Projects, Feasibility Studies, and Research Studies, each with a brief description of the funding purpose.

RECLAMATION

Managing Water in the West

Search

Water & Power Resources & Research About Us Recreation & Public Use News & Multimedia

WaterSMART

Title XVI Water Reclamation and Reuse

Reclamation / WaterSMART / Title XVI Water Reclamation and Reuse / Selected Applications

WATERSMART

- WaterSMART
- Water and Energy Efficiency Grants
- Water Marketing Grants
- Small-Scale Water Efficiency Projects
- Title XVI
 - Authorized Projects
 - Feasibility Studies
 - Research Studies
 - Previously Funded Projects
 - Frequently Asked Questions

Selected Applications

Reclamation is providing selected Title XVI funding applications. They are available in the individual area below.

Authorized Projects - funding for entities that have a congressionally authorized Title XVI water reclamation and reuse project.

Feasibility Studies - funding for entities that would like to develop a new water reclamation and reuse feasibility study.

Research Studies - funding for research to establish or expand water reuse markets, improve or expand existing water reuse facilities, and streamline the implementation of clean water technology at new facilities.

Other Helpful Tips

**Focus on the
criteria**

Finish strong

Details matter

Tell your story



Other Paths to Advance Your Title XVI Project

Title XVI Feasibility Study and Research Grants: To Be Announced

- Title XVI Feasibility Study Grants
(Federal share: 50%)
- Title XVI Research Grants
(Federal share: 25%)
- Contact me for details



Title XVI Program Recap & Summary



Questions? To Learn More.....

<https://www.usbr.gov/watersmart/grants.html>

- All Grants on website
- *We are here to help*
- *Join our listserv, send me an email*



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