

REGION C WATER PLANNING GROUP

TO: REGION C WATER PLANNING GROUP

FROM: J. KEVIN WARD, CHAIR

SUBJECT: SEPTEMBER 21, 2020 PUBLIC MEETING

DATE: SEPTEMBER 17, 2020

This memorandum will serve as a notice that the Region C Water Planning Group (RCWPG) is holding a public meeting at **1:00 P.M. on Monday SEPTEMBER 21, 2020, via Zoom webinar / teleconference**. An agenda (including information on how to participate in the public meeting) has been prepared for the meeting and is attached to this memorandum. The following is a brief overview of the agenda items to be discussed with relevant materials and handouts.

OPEN MEETING

- I. ROLL CALL
- II. APPROVAL OF MINUTES – FEBRUARY 10, 2020

*See **handout Agenda Item II for RCWPG Minutes from February 10, 2020.***
- III. PUBLIC COMMENTS (Public comments are limited to 3 minutes per speaker)
- IV. PRIMARY ACTION ITEMS FOR CONSIDERATION
 - A. Announcement of vacancies: Tom Kula Representing Water Districts; Call for nominations to fill vacancies, and vote to fill vacancies.
 - B. Consider approval and adoption of final *2021 Region C Water Plan* and authorize submittal to the Texas Water Development Board contingent upon incorporation of comments and inclusion of final required materials, and further authorize Freese and Nichols, Inc. and TRA to make non-substantive changes thereto prior to submittal.

Consultants will present information on the major changes to the plan since the publication of the Initially Prepared Plan. Summary of major changes were sent to the RCWPG via email prior to this meeting on September 9, 2020 for review. The RCWPG will consider approval and adoption of the plan, allowing consultants to make minor adjustments if needed prior to November 5, 2020 submittal to TWDB.

See handout Agenda Item IV-B for summary of major changes since publication of the IPP. The DRAFT 2021 Final Plan is located on the Region C website.

- C. Consider approval of prioritization of projects in 2021 Region C Water Plan and authorize submittal to the Texas Water Development Board contingent upon incorporation of comments.

Consultants will present information on the prioritization process and summarize prioritization results. A member of the prioritization subcommittee will provide a summary of the July 29, 2020 Prioritization Subcommittee meeting. The RCWPG will consider approval of the prioritization of projects in the 2021 Region C Water Plan, allowing consultants to make minor adjustments if needed prior to November 5, 2020 submittal to TWDB.

See handout Agenda Item IV-C for Prioritization memo and scoring spreadsheet.

V. OTHER ITEMS (MAY RESULT IN ACTIONS)

- A. Update on Region C-D coordination.
- B. Update on Interregional Planning Council.
- C. TWDB presentation on socioeconomic impacts.
- D. 2021 plan schedule update.
- E. Next cycle of regional planning:
 - i. Consider designating TRA to administer the Region C RWPG for the 6th cycle of Regional Water Planning.
 - ii. Authorize the Region C Political Subdivision to prepare and disseminate a Request for Proposals to identify technical consultants for the 2026 Regional Water Plan.
 - iii. Authorize TRA to provide public notice, submit a grant application to the TWDB, and execute a contract with the TWDB on behalf of the RCWPG for initial funding of the 6th cycle of Regional Water Planning.
 - iv. Authorize TRA to provide public notice and hold a pre-planning public meeting to obtain public input on development of the 2026 Regional Water Plan and 2027 State Water Plan.

VI. OTHER DISCUSSION

- A. Updates from the Chair.
- B. Report from Regional Liaisons.

- C. Report from Texas Water Development Board.
- D. Report from Texas Department of Agriculture.
- E. Report from Texas Parks and Wildlife Department.
- F. Report from Texas State Soil & Water Conservation Board.
- G. Other Reports.
- H. Confirm Date and Location of Next Meeting: February 2021.

The following items are enclosed with this memorandum:

- 1. RCWPG Agenda – September 21, 2020,
- 2. Meeting Handouts
 - a. Agenda Item II – RCWPG Minutes from February 10, 2020
 - b. Agenda Item IV-B – Summary of major changes since publication of the IPP
 - c. Agenda Item IV-C – Prioritization memo and scoring spreadsheet

REGION C WATER PLANNING GROUP

OPEN PUBLIC MEETING

MONDAY, SEPTEMBER 21, 2020 AT 1:00 P.M.

THE MEETING WILL BE HELD VIA ZOOM WEBINAR
(see attached for Zoom Meeting information)

AGENDA

- I. ROLL CALL
 - II. APPROVAL OF MINUTES – FEBRUARY 10, 2020
 - III. PUBLIC COMMENTS (Public comments are limited to 3 minutes per speaker)
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- C. Report from Texas Water Development Board.
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- F. Report from Texas State Soil & Water Conservation Board.
- G. Other Reports.
- H. Confirm Date and Location of Next Meeting: February 2021.

VII. ADJOURNMENT

SUBMITTED BY: _____
J. Kevin Ward, Administrative Officer

DATE: September 14, 2020

POSTED BY: _____
DATE: _____
TIME: _____
LOCATION: _____

HOW TO PARTICIPATE IN THE PUBLIC MEETING

Notice is hereby given to all interested members of the public that the Region C Water Planning Group will hold a public meeting **via Zoom webinar / telephone conference call** pursuant to Texas Government Code, Section 551.125, as amended, and as modified by the temporary suspension of various provisions thereof effective March 16, 2020, by the Governor of Texas in accordance with the Texas Disaster Act of 1975, all as related to the Governor's proclamation on March 13, 2020, certifying that the COVID-19 pandemic poses an imminent threat of disaster and declaring a state of disaster for all counties in Texas. The webinar will begin **at 1:00 pm. on September 21, 2020** and is anticipated to conclude at 3:00 pm.

If you choose to participate via the webinar:

Join from a PC, Mac, iPad, iPhone or Android device:

https://freese.zoom.us/webinar/register/WN_mxVwctoaTO6dgyk17RCQJw

After registering, you will receive a confirmation email containing information about joining the webinar.

Or join by phone:

US (for higher quality, dial a number based on your current location):

+1 346-248-7799 or +1 253-215-8782 or +1 669-900-6833 or +1 312-626-6799 or +1 929-205-6099 or +1 301-715-8592

Webinar ID: 810 2926 6682

If you join the webinar via your computer, you will have additional functionality (such as seeing the presentation) that you will not have if you join by phone only. Region C Water Planning Group Members will have the ability to freely mute and unmute themselves throughout the call. As a member of the Public, you will be admitted to the Region C webinar and designated as an attendee. Attendees will need to raise their hand and wait to be unmuted by the host to comment.

If you join by phone, the meeting administrator will call out your phone number and ask you to identify yourself so we can name you in the call. To unmute or mute yourself when on the phone, please dial *6. To raise your hand from a phone only line, please dial *9.

For more information about joining via phone only please refer to the link: <https://support.zoom.us/hc/en-us/articles/201362663-Joining-a-meeting-by-phone>

Jordan Skipwith (FNI) will also be available to assist with any further difficulties you may have. He can be reached at (832) 696-0963.

All members of the public may participate in the meeting via Zoom webinar or telephone conference call.

Agenda Item II

REGION C WATER PLANNING GROUP
MINUTES OF AN OPEN PUBLIC MEETING
February 10, 2020

The Region C Water Planning Group (RCWPG) met in an open public meeting on Monday, February 10, 2020, at 1:00 P.M. The meeting was held at the North Central Texas Council of Governments located at 616 Six Flags Drive, Centerpoint Two Building, First Floor Transportation Council Room, Arlington, Texas. Notice of the meeting was legally posted.

Chairman Kevin Ward called the Region C Regional Water Planning Group meeting to order at approximately 1:05 P.M. and welcomed guests.

I. ROLL CALL

Vice-Chairman Russell Laughlin conducted a roll call and confirmed that a quorum was present. The following members were in attendance:

David Bailey	John Lingenfelder
Kenneth Banks	Steve Mundt
Jay Barksdale	Bob Riley
Chris Boyd	Drew Satterwhite
Grace Darling	Rick Shaffer
John Paul Dineen III	Gary Spicer
Christopher Harder	Connie Standridge
Tom Kula	Jack Stevens
Harold Latham	Richard Wagner
Russell Laughlin	Kevin Ward

Kevin Smith, TWDB, Temple McKinnon, TWDB, Adam Whisenant, TPWD, Darrell Dean, Texas Department of Agriculture, Doug Shaw, Region B Alternate, David Nabors, Region D, and R. J. Muraski, North Texas Municipal Water District, were present. The registration list signed by guests in attendance is attached.

II. APPROVAL OF MINUTES – December 16, 2019

The minutes of the December 16, 2019, RCWPG meeting were approved by consensus upon a motion by Grace Darling and a second by Gary Spicer.

III. PRIMARY ACTION ITEMS FOR CONSIDERATION

A. Consider Approval and Adoption of *2021 Initially Prepared Region C Water Plan*

Abigail Gardner, FNI, presented information on any chapters not previously presented as well as an overview of the entire *2021 Initially Prepared Region C Water Plan* (IPP). Ms. Gardner advised that the IPP has been posted on the Region C website. Ms. Gardner discussed the following chapters of the IPP:

- Chapter 1 Description of Region
- Chapter 2 Population and Demand Projections
- Chapter 3 Available Water Supply (Total Water Supplies)

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- Chapter 4 Needs
- Chapter 5 Water Management Strategies including:
 - Conservation and Reuse
 - Water Management Strategy Costs
 - Unmet Needs
- Chapter 6 Impacts of Strategies including:
 - Impacts on Water Quality
 - Impacts on Moving Water to Urban Areas
 - Other Impacts
 - Consistency with Protection of State's Resources
 - Impact of Not Meeting Needs

The discussion was turned over to Amy Kaarlela, FNI, to review the following chapters:

- Chapter 7 Drought Response
- Chapter 8 Unique Stream/Reservoir & Legislative Recommendations
- Chapter 9 Infrastructure Financing (Placeholder - to be included in final plan)
- Chapter 10 Public Participation and Plan Adoption
- Chapter 11 Comparison to 2016 Plan including Major Strategies Changes since 2016 Plan (not exhaustive list)

The RCWPG considered approval and adoption of the Initially Prepared Plan with the following considerations:

- Allow consultants to make minor formatting or editorial changes, if needed, prior to March 3, 2020, submittal to TWDB.
- Addition of database tables when completed.
- Addition of ongoing Socio-Economic Study on impacts of Marvin Nichols Reservoir (Attachment to Appendix J). Study to be completed early April.
- Singular list of Potentially Feasible Water Management Strategies (Appendix F, currently in table format by county).

Ms. Kaarlela advised that the IPP which is posted thirty days prior to the public hearing is final.

There were no public comments on this action item.

Upon a motion by Steve Mundt, and a second by Jack Stevens, the Region C WPG approved and adopted the *2021 Initially Prepared Region C Water Plan* with a vote of 18 Yeas, and 2 Nays. John Lingerfeld and Grace Darling voted no because they had not been able to review the Socio-Economic Study on Impacts of Marvin Nichols Reservoir.

B. Authorize TRA to Post Public Notice for Public Hearing

The RCWPG considered authorizing TRA to post public notice for public hearing where the *2021 Initially Prepared Region C Water Plan* will be presented. Notice must be posted at least 30 days in advance of the public hearing.

There were no public comments on this action item.

Upon a motion by Russell Laughlin, and a second by Steve Mundt, the Region C WPG voted unanimously to authorize TRA to post public notice for a public hearing where the *2021 Initially Prepared Region C Water Plan* will be presented.

C. Update on Region C-D Coordination; Take Action if Necessary

Chairman Ward gave the RCWPG an update on the Region C-D Coordination Subcommittee meeting held January 14, 2020. Chairman Ward advised that this is the third meeting of the subcommittee. Both Regions C and D presented Proposed Agreements. Chairman Ward advised that no agreements have been reached to date. Chairman Ward recommended that the planning group proceed with the process in place by the Texas Water Development Board which gives Regions C and D sixty days to state that there is a conflict.

There were no public comments on this action item.

A motion was not made by the RCWPG to take any action.

IV. OTHER ITEMS (MAY RESULT IN ACTIONS)

A. Infrastructure Financing Survey and Report

Amy Kaarlela, FNI, explained that this Survey and Report is a placeholder in the IPP.

- Purpose - assist TWDB in planning for SWIFT funding.
- Process:
 - Consultants have entered all strategies and projects into TWDB's database
 - TWDB will generate a survey using database
 - Survey will be sent to all water providers who have strategy/project with capital cost
 - Survey asks if/when SWIFT funding will be needed
 - Consultants to tabulate survey responses into Chapter 9 of the IPP
 - Survey will be conducted this summer

B. Prioritization Task - methodology and TWDB scoring template

Amy Kaarlela, FNI, advised the RCWPG that the appointed Prioritization Subcommittee will meet in the next few weeks and will advise the consultants of their results. The results will be submitted in October to the TWDB with the IPP. Ms. Kaarlela advised that the purpose of prioritization is to assist the TWDB in prioritizing SWIFT funding.

Ms. Kaarlela outlined the prioritization process as follows:

- Consultants will have entered all strategies and projects into TWDB's database
- TWDB will generate list of strategies/projects using database
- Regional Chairs developed scoring system in 2011 (points)
- Consultants to use scoring system to score/rank projects

The prioritization scoring system was explained as shown below:

- Maximum Score = 1000 points
- 5 Categories of Questions:
 - Decade of Need (40%)
 - Project Feasibility (10%)
 - Project Viability (25%)
 - Project Sustainability (15%)
 - Project Cost Effectiveness (10%)

Kevin Smith, TWDB, added that there is a regional level and a state level of prioritization.

C. Schedule Update - Amy Kaarlela provided the following schedule information:

- IPP Due to TWDB - March 3, 2020
- Distribution of plan to county clerks and libraries
- Public Hearing - May 2020 (tentative); 7 PM, Bob Duncan Center, 2800 Center Street, Arlington
- Public comments deadline - 60 days after Public Hearing
- State Agency comments deadline - 90 days after Public Hearing
- Final Plan Due to TWDB - October 14, 2020, including:
 - Infrastructure Financing Report
 - Prioritization of Projects in 2021 Plan

V. OTHER DISCUSSION

A. Updates from the Chair - Chairman Ward had no additional updates to report.

B. Report from Regional Liaisons

- Region B - None
- Region D - None
- Region G - None
- Region H - Chairman Ward advised that Region H is doing similar activities as Region C
- Region I - None

C. Report from Texas Water Development Board - Kevin Smith provided the following list of recent communications from the TWDB to Region C:

- Potential Interregional Conflict Letter (January 13, 2020)
- Interregional Planning Council Status (January 17, 2020)
- Items for Administratively Complete IPP (January 21, 2020)
- RWPG Chairs Conference Call (January 27, 2020)
- RWP grant funding letter (January 28, 2020)
- Interactive SWP info sheet (January 30, 2020) on TWDB Website

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- D. Report from Texas Department of Agriculture - None
- E. Report from Texas Parks and Wildlife Department - None
- F. Report from Texas State Soil & Water Conservation Board - None
- G. Other Reports - None
- H. Confirm Date and Location of Next Meeting: August, 2020 (tentative); 1pm, NCTCOG, 616 Six Flags Drive, Centerpoint Two Building, First Floor Transportation Council Room, Arlington, Texas 76011
- I. Public Comments - None

VI. ADJOURNMENT - Chairman Ward adjourned this meeting at 2:35 PM.

KEVIN WARD, Chairman

Agenda Item IV-B

Summary of Changes between the 2021 Region C Initially Prepared Plan (IPP) and the Final 2021 Region C Plan

The Region C Initially Prepared Plan (IPP) was approved by the Region C Water Planning Group (RCWPG) on February 10, 2020 and published for public and agency review on March 3, 2020. On April 15, 2020, the IPP was supplemented with the Economic Study on the Marvin Nichols Reservoir. This report was sent to the TWDB and made available to the public on the Region C website.

Based on feedback from stakeholders and comments received on the IPP, the Region C Water Plan has been modified. This summary document describes the major changes since the document was last provided to the RCWPG. More detail on each major change is included in the Attachments referenced below. Any questions or additional comments on these changes should be directed to Simone Kiel, sfk@freese.com or Abigail Gardner, Abigail.Gardner@freese.com.

Infrastructure Financing Survey Results (Attachment 1)

- In the IPP, Chapter 9 is a placeholder for the results of the infrastructure financing report (IFR). The IFR is a survey performed after the IPP that collects information about when funding will be needed by water user groups with capital cost projects in the plan. Attachment 1 includes a draft final version of Chapter 9 and a new Appendix N documenting the responses to the survey. The RWPG will be asked to approve this chapter and appendix as part of the final plan on September 21, 2020.

Appendix Q: Response to Comments on IPP (Attachment 2)

- Region C received comments on the IPP from the Texas Water Development Board, the Texas State Soil and Conservation Board, and the Texas Department of Parks and Wildlife. All the agencies' comments and responses to the comments are documented in a new Appendix Q. Where noted, changes to the plan or corrections were made in response to the comments. Region C also received three oral public comments on the IPP at the public hearing, and 73 written comments either by letter or email. The responses to public comments are documented in Appendix Q. The RCWPG will be asked to approve this as part of the final plan on September 21, 2020.

Prioritization of Region C Projects (Attachment 3)

- In addition to the 2021 Region C Water Plan, the RCWPG must submit a prioritized list of all recommended projects in accordance with the uniform standards developed by the stakeholders committee. This is not published as part of the final plan but must be approved by the RCWPG and submitted to the TWDB. Attachment 3 is a summary memorandum of the methodology used to apply the uniform standards and the prioritization results for RCWPG review. The RCWPG will be asked to approve the prioritization for submittal to TWDB on September 21, 2020.

Changes to Water Management Strategies (WMS) and Projects: In response to formal and informal comments on the IPP, minor changes have been made to water management strategies and their associated projects in the final plan. These changes are documented in Appendix Q (see Attachment 2). The RCWPG will be asked to approve these changes as part of the final plan on September 21, 2020.

Attachment One

Infrastructure Financing Survey Results

9 Infrastructure Funding Recommendations

This plan has identified approximately \$30 billion in recommended projects sponsored by water providers in Region C. These projects include a wide variety of infrastructure improvements, ranging from water loss control at the local level to large-scale regional transmission systems. An infrastructure financing survey was conducted as part of the regional water planning process to better assess the state's role in financing the identified water projects. Many of the sponsors of these projects will seek funding assistance through programs administered by the TWDB. TWDB funding programs that may be sources of funding for projects in the regional water plans are discussed in **Section 9.2** of this plan.

For this planning cycle, the TWDB developed the infrastructure financing survey to evaluate the amount of state funding that water users are likely to request. Using the results of this survey, this chapter identifies the portion of capital improvements recommended for Region C that may require TWDB financial assistance and identifies the potential TWDB financial categories that will be used. The survey developed by the TWDB included the following three financial categories:

- **Planning, Design, Permitting & Acquisition Funding**
- **Construction Funding**
- **State Participation Funding**

It should be noted that the capital costs contained in the surveys were from the Initially Prepared Plan (IPP) published in March 2020. Between the IPP and this Final

Plan some cost estimates were updated, resulting in a total capital cost of strategies in this final plan that is slightly different than the total capital cost of projects surveyed.

Section Outline

Section 9.1 – Infrastructure Financing Questionnaires for Recommended Water Management Strategies

Section 9.2 – TWDB Funding Mechanisms

Related Appendices

Appendix N – Infrastructure Financing Information

RWPGs shall assess and quantitatively report on how individual local governments, regional authorities, and other Political Subdivisions in their RWPA propose to finance recommended WMSs and associated WMSPs. The assessment shall also describe what role the RWPG proposes for the state in financing recommended WMSs and associated WMSPs, including proposed increases in the level of state participation in funding for regional projects to meet needs beyond the reasonable financing capability of local governments, regional authorities, and other political subdivisions involved in building water infrastructure. [31 TAC §357.44]

9.1 Infrastructure Financing Surveys for Recommended Water Management Strategies

Infrastructure Financing Surveys were distributed via e-mail to each Region C wholesale water provider or municipal water user group with one or multiple recommended projects in the 2021 Regional Water Plan that might be eligible for state financial assistance. Each survey was prefaced with an explanation of its purpose in identifying the need for financial assistance programs offered by the State of Texas and administered by the TWDB. The surveys listed each recommended project and its total capital cost. Following this basic data, the wholesale water provider or water provider was asked: 1) to enter the portion of the total costs associated with the planning and acquisition phase of the project and the year needed; 2) to enter the portion of the total costs associated with the construction phase of the project and the year needed; and 3) to enter the percent share of the total project capacity that will not be needed within the first 10 years of the project life.

Water providers whose water supply strategies were noted in the regional plan as having zero capital costs were not surveyed. Only water user groups with strategies with a capital cost were surveyed. Non-municipal and municipal county-other water user groups with water supply strategies included in the regional plan were not surveyed, unless there was a specific project sponsor. Surveys were delivered the first week of May 2020 and received until the end of August 2020.

Several entities that were surveyed did not respond. The results of this survey

represent the best effort of the group to complete the survey. To help encourage additional input, a follow-up email and phone call was attempted for water providers who had not responded to the initial survey.

A total of 252 surveys were sent - 222 to water user groups, and 30 to wholesale water providers. Many of the proposed capital improvements recommended in this plan involve one or more of the major water providers. As a result, more than 85 percent of the total Region C plan costs are borne by the major water providers.

9.1.1 Water User Groups (WUGs)

Of the 222 water user groups surveyed, 88 submitted responses, resulting in a 40 percent participation rate in this survey. This is a lower response rate than desired; however, it is similar to previous planning cycles.

Summaries of the water user group responses are included in **Appendix N**.

9.1.2 Wholesale, Major and Regional Water Providers

Of the 30 wholesale water providers surveyed, 18 submitted responses (6 of which were major and/or regional water providers) resulting in a 60 percent response rate. This is a lower response rate than desired; however, it is similar to previous planning cycles.

Summaries of the wholesale water provider responses are included in **Appendix N**.

9.1.3 Summary

Overall, the TWDB IFR survey received a 42 percent response rate (40 percent of WUGs and 60 percent of WWP). However, on a monetary basis, the survey respondents accounted for a large percent of the total capital costs in Region C. Based on the survey responses, from both WUGs and WWPs, the water users in Region C are likely to request financial assistance from the

TWDB to pay for over \$24.7 billion (83 percent) of the capital costs identified for those entities' water supply infrastructure.

Table 9.1 provides a summary of the financing needs for the Region based on the survey results. More detailed information on individual responses can be found in **Appendix N**.

Table 9.1 Summary of Financing Needs in Region ^a

	TOTAL
Total Costs of Strategies - All Entities Surveyed	\$29,931,548,000
Amount Respondents Requested from TWDB Programs	\$24,716,486,000
Amount Likely to be Funded by Planning, Design, Permitting & Acquisitions Funding	\$5,042,123,000
Amount Likely to be Funded by Construction Funding	\$19,674,363,000
Remaining Costs ^a	\$5,215,062,000

^a The remaining costs likely would be funded either by cash reserves, bonds, loans, or other programs.

9.2 TWDB Funding Mechanisms

To help implement water management strategies, there are numerous funding programs available through Texas Water Development Board (TWDB). **Table 9.2** shows the potential TWDB funding sources. The primary means of funding for projects in the regional and state water plan is expected to be TWDB’s new SWIFT program (State Water Implementation Fund for Texas).

In the 83rd Regular Session, the Texas Legislature (2013), via the passage of House Bill 4, outlined the structure and administration of SWIFT, including a prioritization process for projects and the

creation of a legislative advisory committee. SWIFT supports low-cost financing of water projects in the State Water Plan through the issuance of bonds with subsidized interest rates, longer repayment terms, incremental repayment terms, and deferral periods. The TWDB will solicit abridged applications for SWIFT assistance up to twice a year. The abridged applications will then be prioritized for funding consideration. The TWDB anticipates selling bonds for each round of funding through the SWIFT.

Detailed information on funding programs offered by the TWDB can be found here: <https://www.twdb.texas.gov/financial/programs/>

Table 9.2 Summary of Texas Water Development Board Funding Programs

Program	Type	Eligible Water Supply Projects
State Water Implementation Fund for Texas	Loans	Projects must be in the state water plan.
Drinking Water State Revolving Fund	Loans	Water supply and source water protection
Water Development Fund Program	Loans	Planning, acquisition and construction of water related infrastructure
Clean Water State Revolving Fund Program	Loans	Wastewater recycling and reuse facilities
State Participation Program	Loans	Regional water, wastewater recycling and reuse facilities. Projects must be in water plan.
Agriculture Water Conservation Loan	Loans	Install efficient irrigation equipment on private property
Water Infrastructure Fund	Loans	Water management strategies recommended in state or regional water plans
Rural Water Assistance Fund	Loans	Development or regionalization of rural water supplies
Economically Distressed Area Program	Grants, Loans	Water and sewer service to economically distressed areas. Projects must be in water plan.
Regional Facility Planning Grant Program	Grant	Studies and analyses of regional water supply and wastewater facility needs

Appendix N

Infrastructure Financing Information

Appendix N Infrastructure Financing

This appendix contains information related to Chapter 9, Infrastructure Funding Recommendations. An Infrastructure Financing Survey, developed by the TWDB, requested information from water suppliers regarding the amount of desired funding from TWDB financial assistance categories. A cover letter was provided with each survey to explain the intent of the survey. The capital cost of each water management strategy project was provided based information entered by consultants in TWDB's online regional planning database (DB22). Recipients were asked to provide updated contact information, an amount of funding requested for each TWDB category, the first year that the funding would be needed for each category, and the percent state participation in excess capacity of the project that may be required.

This appendix includes information related to infrastructure financing. Specific items included are:

- Cover letter mailed with surveys
- Example of infrastructure financing survey sent to water suppliers (first 2 pages only)
- Summary of survey responses to questionnaires

REGION C WATER PLANNING GROUP

Senate Bill One Fourth Round of Regional Water Planning - Texas Water Development Board

Board Members

J. Kevin Ward, Chair
Russell Laughlin, Vice-Chair
Tom Kula, Secretary
David Bailey
Kenneth Banks
Jay Barksdale
Christopher Boyd
Grace Darling
John Paul Dineen
Gary Douglas
Christopher Harder
Harold Latham
John Lingenfelder
G. K. Maenius
Steve Mundt
Bob Riley
Drew Satterwhite
Rick Shaffer
Gary Spicer
Connie Standridge
Jack Stevens
Richard Wagner

April 20, 2020

Subject: Financing of Water Management Strategies in the Regional Water Plan

Dear Water Provider:

As you may know, the *2021 Initially Prepared Region C Water Plan* (IPP) is available for public review and comment. You were contacted earlier this year regarding the future water supply plans for your entity, and those future plans have been included in the IPP. A copy of the IPP can be found at www.regioncwater.org and clicking on the link at the top of the page. Information specific to your entity can be found in either Chapter 5D (Major and Regional Water Providers) or Chapter 5E (Wholesale Water Providers and Water User Groups by County).

As required by the Texas Water Development Board (TWDB), at this time we are soliciting input on the manner in which you will be financing the projects listed in the IPP for your entity, and in particular whether you intend to seek TWDB funding for these projects. This information will assist TWDB in financially preparing to meet the State's water needs through their State Water Infrastructure Implementation Fund for Texas (SWIFT) and other funding programs.

Attached is a brief questionnaire developed by TWDB using information from the IPP. The survey includes all the projects for which you are listed as a sponsor and asks how much, if any, of the cost you anticipate needing from TWDB funding programs and when (what year) the funds would be needed. **Please respond by email to the attached questions and return by May 22, 2020.** *If you do not intend to use TWDB funding for any of your projects, please indicate this on the survey in the comments section.*

Additionally, here's a few items to note when filling out the survey:

- The projects are in alphabetical order rather than the order in which you would construct them.
- The projects listed as "Conservation, Water Loss Control" represent our estimation of replacement cost for distribution pipelines that are currently a source of excessive water losses. (This does not represent your entire pipe replacement program).
- A breakdown of the cost estimate(s) shown within the surveys can be found in Appendix H of the IPP. Please refer to that appendix if you would like further details on the cost estimate.

If you have any questions or want additional information, please call Dario Sanchez at (214)589-6940 or Katie Stowers at (214)589-6935. Thank you for taking time to respond.

Sincerely,



Chair, Region C Water Planning Group

Infrastructure Financing Survey Report

Project Sponsor Name: Example IFR sent to WUGs
 Primary Planning Region: C

Contact Information:

Name: _____
 Phone Number: _____
 Email: _____
 Comments: _____

As part of the state water planning process, regional water planning groups recommend water supply projects for each of their respective regions. The Texas Water Development Board (TWDB) has several funding programs for water projects that support the planning, design, and construction of water supply projects with several financing options including low-interest loans and deferral of principal and interest. Texas Water Code Section 16.053 (q) requires the regional water planning groups to examine the financing needed to implement the water management strategies and projects recommended in their regional plan.

This Infrastructure Financing Survey is a tool to gather information regarding how you, as a project sponsor, anticipate financing the water supply projects recommended to meet your needs in the 2021 regional water plan, including whether you, as a sponsor, intend to use financial assistance programs offered by the State of Texas and administered by the TWDB.

More information on these financial assistance programs can be found at the TWDB website at: <http://www.twdb.texas.gov/financial/index.asp>

Your cooperation and responses to these questions are crucial to assisting the state in providing ongoing funding opportunities to ensure that our communities and our citizens have adequate water supplies. Note that a response to this survey is required for any entity seeking SWIFT funding for state water plan projects.

Please enter only the share of total project costs that you wish to receive through a TWDB program in the "Share of Costs" fields and do not enter a specific portion of a project cost more than once.

Projects you are designated as sponsoring in the Regional Water Plan

For each of the project(s) listed below **for which you are designated as sponsor**, please enter only the funding amounts you anticipate requesting from TWDB categories in the 'Amount' field; enter the earliest 'Year Needed' date that you anticipate requiring these amounts; and, enter in the 'State Ownership' field the percent share of the overall project capacity that you anticipate the state taking initial ownership of. Note that the total amount entered into the separate funding categories may not exceed the **Project Total Capital Cost**. **Only enter the amount of funding that you expect to request from state funding programs.**

Data descriptions:

1) Planning, Design, Permitting, and Acquisition Funding: Enter portion of total costs into the 'Planning and Acquisition' category for which you anticipate applying for a low interest loan from TWDB for development efforts leading up to construction. This option includes providing funding for all pre-construction stages of the project.

2) Construction Funding: Enter portion of total costs into the 'Construction' category for which you anticipate applying for state funding to construct your project using a low interest loan from TWDB.

3) Percent State Participation in Excess Capacity of the Project: Enter the percent share of the total project capacity that will not be needed within the first 10 years of the project life. For some larger projects that qualify, the state may acquire a temporary ownership interest in some percentage portion of the project which allows entities to optimally size a regional project with excess capacity that won't be needed until the future. The entity buys back the state's portion of the facility over time. Principal and interest are deferred on the state-owned portion of project.

Water Management Strategy- Project Name:		Project Total Capital Cost:	
1) Planning, Design, Permitting & Acquisition Funding	Amount: \$	Year Needed:	
2) Construction Funding	Amount: \$	Year Needed:	
Total Anticipated State Funding Assistance:	\$		
	<i>sum above</i>		
3) Percent State Participation in Owning Excess Capacity		State Ownership:	%

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
ABLES SPRINGS WSC	C	CONSERVATION, WATER LOSS CONTROL - ABLES SPRINGS WSC	C	PLANNING, DESIGN, PERMIT	50.00	N/A		155	832	1
ABLES SPRINGS WSC	C	CONSERVATION, WATER LOSS CONTROL - ABLES SPRINGS WSC	C	CONSTRUCTION FUNDING	50.00	N/A		155	832	2
ABLES SPRINGS WSC	C	CONSERVATION, WATER LOSS CONTROL - ABLES SPRINGS WSC	C	PERCENT STATE	0%			155	832	3
ADDISON	C	CONSERVATION, IRRIGATION RESTRICTION - ADDISON	C	PARTICIPATION IN OWNING EXCESS CAPACITY				157	3304	1
ADDISON	C	CONSERVATION, IRRIGATION RESTRICTION - ADDISON	C	CONSTRUCTION FUNDING				157	3304	2
ADDISON	C	CONSERVATION, IRRIGATION RESTRICTION - ADDISON	C	PERCENT STATE				157	3304	3
ADDISON	C	CONSERVATION, IRRIGATION RESTRICTION - ADDISON	C	PARTICIPATION IN OWNING EXCESS CAPACITY				157	1279	1
ADDISON	C	CONSERVATION, IRRIGATION RESTRICTION - ADDISON	C	CONSTRUCTION FUNDING				157	1279	2
ADDISON	C	CONSERVATION, IRRIGATION RESTRICTION - ADDISON	C	PERCENT STATE				157	1279	3
ALEDO	C	ALEDO - PARALLEL PIPELINE & PUMP STATION EXPANSION FROM FOC	FOC	PARTICIPATION IN OWNING EXCESS CAPACITY	50.00	N/A		162	1099	1
ALEDO	C	ALEDO - PARALLEL PIPELINE & PUMP STATION EXPANSION FROM FOC	FOC	CONSTRUCTION FUNDING	50.00	N/A		162	1099	2
ALEDO	C	ALEDO - PARALLEL PIPELINE & PUMP STATION EXPANSION FROM FOC	FOC	PERCENT STATE	0%			162	1099	3
ALEDO	C	CONSERVATION, WATER LOSS CONTROL - ALEDO	C	PARTICIPATION IN OWNING EXCESS CAPACITY				162	1280	1
ALEDO	C	CONSERVATION, WATER LOSS CONTROL - ALEDO	C	CONSTRUCTION FUNDING				162	1280	2
ALEDO	C	CONSERVATION, WATER LOSS CONTROL - ALEDO	C	PERCENT STATE	0%			162	1280	3
ALLEN	C	CONSERVATION, WATER LOSS CONTROL - ALLEN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		164	1281	1
ALLEN	C	CONSERVATION, WATER LOSS CONTROL - ALLEN	C	CONSTRUCTION FUNDING	50.00	N/A		164	1281	2
ALLEN	C	CONSERVATION, WATER LOSS CONTROL - ALLEN	C	PERCENT STATE	0%			164	1281	3
ALVORD	C	ALVORD - CONNECT TO WEST WISE SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				171	4082	1
ALVORD	C	ALVORD - CONNECT TO WEST WISE SUD	C	CONSTRUCTION FUNDING				171	4082	2
ALVORD	C	ALVORD - CONNECT TO WEST WISE SUD	C	PERCENT STATE				171	4082	3
ALVORD	C	CONSERVATION, WATER LOSS CONTROL - ALVORD	C	PARTICIPATION IN OWNING EXCESS CAPACITY				171	1282	1
ALVORD	C	CONSERVATION, WATER LOSS CONTROL - ALVORD	C	CONSTRUCTION FUNDING				171	1282	2
ALVORD	C	CONSERVATION, WATER LOSS CONTROL - ALVORD	C	PERCENT STATE				171	1282	3
ANNA	C	ANNA - NEW WELLS IN WOODBINE AQUIFER	C	PARTICIPATION IN OWNING EXCESS CAPACITY	50.00	N/A		177	4012	1
ANNA	C	ANNA - NEW WELLS IN WOODBINE AQUIFER	C	CONSTRUCTION FUNDING	50.00	N/A		177	4012	2
ANNA	C	ANNA - NEW WELLS IN WOODBINE AQUIFER	C	PERCENT STATE	0.00%			177	4012	3
ANNA	C	CONSERVATION - WASTE PROHIBITION, ANNA	C	PARTICIPATION IN OWNING EXCESS CAPACITY	50.00	N/A		177	3426	1
ANNA	C	CONSERVATION - WASTE PROHIBITION, ANNA	C	CONSTRUCTION FUNDING	50.00	N/A		177	3426	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
ANNA	C	CONSERVATION – WASTE PROHIBITION, ANNA	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	0.00%			177	3426	3
ANNA	C	CONSERVATION, IRRIGATION RESTRICTION - ANNA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		177	3303	1
ANNA	C	CONSERVATION, IRRIGATION RESTRICTION - ANNA	C	CONSTRUCTION FUNDING	\$0.00	N/A		177	3303	2
ANNA	C	CONSERVATION, IRRIGATION RESTRICTION - ANNA	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	0.00%			177	3303	3
ANNA	C	CONSERVATION, WATER LOSS CONTROL - ANNA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		177	1283	1
ANNA	C	CONSERVATION, WATER LOSS CONTROL - ANNA	C	CONSTRUCTION FUNDING	\$0.00	N/A		177	1283	2
ANNA	C	CONSERVATION, WATER LOSS CONTROL - ANNA	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	0.00%			177	1283	3
ANNETTA	C	ANNETTA - CONNECT TO WEATHERFORD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		178	1101	1
ANNETTA	C	ANNETTA - CONNECT TO WEATHERFORD	C	CONSTRUCTION FUNDING	\$0.00	N/A		178	1101	2
ANNETTA	C	ANNETTA - CONNECT TO WEATHERFORD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	0.00%			178	1101	3
ANNETTA	C	CONSERVATION, WATER LOSS CONTROL - ANNETTA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		178	1284	1
ANNETTA	C	CONSERVATION, WATER LOSS CONTROL - ANNETTA	C	CONSTRUCTION FUNDING	\$0.00	N/A		178	1284	2
ANNETTA	C	CONSERVATION, WATER LOSS CONTROL - ANNETTA	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	0.00%			178	1284	3
ARGYLE WSC	C	ARGYLE WSC - NEW WELL(S) IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$443,250.00	2024		189	4013	1
ARGYLE WSC	C	ARGYLE WSC - NEW WELL(S) IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING	\$2,511,750.00	2025		189	4013	2
ARGYLE WSC	C	ARGYLE WSC - NEW WELL(S) IN TRINITY AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	0%			189	4013	3
ARGYLE WSC	C	CONSERVATION – WASTE PROHIBITION, ARGYLE WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		189	1564	1
ARGYLE WSC	C	CONSERVATION – WASTE PROHIBITION, ARGYLE WSC	C	CONSTRUCTION FUNDING	\$0.00	N/A		189	1564	2
ARGYLE WSC	C	CONSERVATION – WASTE PROHIBITION, ARGYLE WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	0%			189	1564	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
ARGYLE WSC	C	CONSERVATION, IRRIGATION RESTRICTION - ARGYLE WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		189	3305	1
ARGYLE WSC	C	CONSERVATION, IRRIGATION RESTRICTION - ARGYLE WSC	C	CONSTRUCTION FUNDING	50.00	N/A		189	3305	2
ARGYLE WSC	C	CONSERVATION, IRRIGATION RESTRICTION - ARGYLE WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	0%			189	3305	3
ARGYLE WSC	C	CONSERVATION, WATER LOSS CONTROL - ARGYLE WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$46,553.55	2025		189	1288	1
ARGYLE WSC	C	CONSERVATION, WATER LOSS CONTROL - ARGYLE WSC	C	CONSTRUCTION FUNDING	\$263,803.45	2026		189	1288	2
ARGYLE WSC	C	CONSERVATION, WATER LOSS CONTROL - ARGYLE WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	0%			189	1288	3
ARLEDGE RIDGE WSC	C	ARLEDGE RIDGE WSC - NEW WELLS IN WOODBINE AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				12911	3820	1
ARLEDGE RIDGE WSC	C	ARLEDGE RIDGE WSC - NEW WELLS IN WOODBINE AQUIFER	C	CONSTRUCTION FUNDING				12911	3820	2
ARLEDGE RIDGE WSC	C	ARLEDGE RIDGE WSC - NEW WELLS IN WOODBINE AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				12911	3820	3
ARLEDGE RIDGE WSC	C	CONSERVATION, WATER LOSS CONTROL - ARLEDGE RIDGE WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				12911	2899	1
ARLEDGE RIDGE WSC	C	CONSERVATION, WATER LOSS CONTROL - ARLEDGE RIDGE WSC	C	CONSTRUCTION FUNDING				12911	2899	2
ARLEDGE RIDGE WSC	C	CONSERVATION, WATER LOSS CONTROL - ARLEDGE RIDGE WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				12911	2899	3
ARLINGTON	C	CONSERVATION, IRRIGATION RESTRICTION - ARLINGTON	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				190	3306	1
ARLINGTON	C	CONSERVATION, IRRIGATION RESTRICTION - ARLINGTON	C	CONSTRUCTION FUNDING				190	3306	2
ARLINGTON	C	CONSERVATION, IRRIGATION RESTRICTION - ARLINGTON	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				190	3306	3
ARLINGTON	C	CONSERVATION, WATER LOSS CONTROL - ARLINGTON	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				190	1289	1
ARLINGTON	C	CONSERVATION, WATER LOSS CONTROL - ARLINGTON	C	CONSTRUCTION FUNDING				190	1289	2
ARLINGTON	C	CONSERVATION, WATER LOSS CONTROL - ARLINGTON	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				190	1289	3
ATHENS	C	CONSERVATION - WASTE PROHIBITION, ATHENS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				195	1565	1
ATHENS	C	CONSERVATION - WASTE PROHIBITION, ATHENS	C	CONSTRUCTION FUNDING				195	1565	2
ATHENS	C	CONSERVATION - WASTE PROHIBITION, ATHENS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				195	1565	3
ATHENS	C	CONSERVATION, IRRIGATION RESTRICTION - ATHENS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				195	3307	1
ATHENS	C	CONSERVATION, IRRIGATION RESTRICTION - ATHENS	C	CONSTRUCTION FUNDING				195	3307	2
ATHENS	C	CONSERVATION, IRRIGATION RESTRICTION - ATHENS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				195	3307	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
ATHENS	C	CONSERVATION, WATER LOSS CONTROL - ATHENS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				195	1290	1
ATHENS	C	CONSERVATION, WATER LOSS CONTROL - ATHENS	C	CONSTRUCTION FUNDING				195	1290	2
ATHENS	C	CONSERVATION, WATER LOSS CONTROL - ATHENS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				195	1290	3
AUBREY	C	CONSERVATION, WATER LOSS CONTROL - AUBREY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				197	1291	1
AUBREY	C	CONSERVATION, WATER LOSS CONTROL - AUBREY	C	CONSTRUCTION FUNDING				197	1291	2
AUBREY	C	CONSERVATION, WATER LOSS CONTROL - AUBREY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				197	1291	3
AVALON WATER SUPPLY & SEC	C	CONSERVATION, WATER LOSS CONTROL - AVALON WATER SUPPLY A	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		12913	2900	1
AVALON WATER SUPPLY & SEC	C	CONSERVATION, WATER LOSS CONTROL - AVALON WATER SUPPLY A	C	CONSTRUCTION FUNDING	50.00	N/A		12913	2900	2
AVALON WATER SUPPLY & SEC	C	CONSERVATION, WATER LOSS CONTROL - AVALON WATER SUPPLY A	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	0.00%			12913	2900	3
AZLE	C	AZLE - 4 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		199	859	1
AZLE	C	AZLE - 4 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING	\$25,410,000.00	2030		199	859	2
AZLE	C	AZLE - 4 MGD WTP EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	0.00%			199	859	3
AZLE	C	CONSERVATION, WATER LOSS CONTROL - AZLE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$269,308.00	2025		199	1293	1
AZLE	C	CONSERVATION, WATER LOSS CONTROL - AZLE	C	CONSTRUCTION FUNDING	50.00	N/A		199	1293	2
AZLE	C	CONSERVATION, WATER LOSS CONTROL - AZLE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	0.00%			199	1293	3
B AND B WSC	C	CONSERVATION, WATER LOSS CONTROL - B AND B WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				12915	2901	1
B AND B WSC	C	CONSERVATION, WATER LOSS CONTROL - B AND B WSC	C	CONSTRUCTION FUNDING				12915	2901	2
B AND B WSC	C	CONSERVATION, WATER LOSS CONTROL - B AND B WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				12915	2901	3
BALCH SPRINGS	C	CONSERVATION, WATER LOSS CONTROL - BALCH SPRINGS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		203	1294	1
BALCH SPRINGS	C	CONSERVATION, WATER LOSS CONTROL - BALCH SPRINGS	C	CONSTRUCTION FUNDING	50.00	N/A		203	1294	2
BALCH SPRINGS	C	CONSERVATION, WATER LOSS CONTROL - BALCH SPRINGS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	0%			203	1294	3
BEAR CREEK SUD	C	CONSERVATION, WATER LOSS CONTROL - BEAR CREEK SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2788	1418	1
BEAR CREEK SUD	C	CONSERVATION, WATER LOSS CONTROL - BEAR CREEK SUD	C	CONSTRUCTION FUNDING	50.00	N/A		2788	1418	2
BEAR CREEK SUD	C	CONSERVATION, WATER LOSS CONTROL - BEAR CREEK SUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	0.00%			2788	1418	3
BECKER JIBA WSC	C	CONSERVATION, WATER LOSS CONTROL - BECKER JIBA WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				12928	2905	1
BECKER JIBA WSC	C	CONSERVATION, WATER LOSS CONTROL - BECKER JIBA WSC	C	CONSTRUCTION FUNDING				12928	2905	2
BECKER JIBA WSC	C	CONSERVATION, WATER LOSS CONTROL - BECKER JIBA WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				12928	2905	3
BEDFORD	C	CONSERVATION, IRRIGATION RESTRICTION - BEDFORD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				221	3309	1
BEDFORD	C	CONSERVATION, IRRIGATION RESTRICTION - BEDFORD	C	CONSTRUCTION FUNDING				221	3309	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
BEDFORD	C	CONSERVATION, IRRIGATION RESTRICTION - BEDFORD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				221	3309	3
BEDFORD	C	CONSERVATION, WATER LOSS CONTROL - BEDFORD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				221	1297	1
BEDFORD	C	CONSERVATION, WATER LOSS CONTROL - BEDFORD	C	CONSTRUCTION FUNDING				221	1297	2
BEDFORD	C	CONSERVATION, WATER LOSS CONTROL - BEDFORD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				221	1297	3
BELLS	C	BELLS - NEW WELL(S) IN WOODBINE AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$128,000.00	2021		226	1066	1
BELLS	C	BELLS - NEW WELL(S) IN WOODBINE AQUIFER	C	CONSTRUCTION FUNDING	\$694,000.00	2021		226	1066	2
BELLS	C	BELLS - NEW WELL(S) IN WOODBINE AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	100.00%			226	1066	3
BELLS	C	CONSERVATION, WATER LOSS CONTROL - BELLS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$35,000.00	2021		226	1298	1
BELLS	C	CONSERVATION, WATER LOSS CONTROL - BELLS	C	CONSTRUCTION FUNDING	\$257,347.00	2021		226	1298	2
BELLS	C	CONSERVATION, WATER LOSS CONTROL - BELLS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	100.00%			226	1298	3
BENBROOK WATER AUTHORITY	C	BENBROOK - 3 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$2,820,400.00	2024		230	860	1
BENBROOK WATER AUTHORITY	C	BENBROOK - 3 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING	\$11,281,600.00	2026		230	860	2
BENBROOK WATER AUTHORITY	C	BENBROOK - 3 MGD WTP EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	20.00%			230	860	3
BENBROOK WATER AUTHORITY	C	CONSERVATION, IRRIGATION RESTRICTION - BENBROOK	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		230	1577	1
BENBROOK WATER AUTHORITY	C	CONSERVATION, IRRIGATION RESTRICTION - BENBROOK	C	CONSTRUCTION FUNDING	\$0.00	N/A		230	1577	2
BENBROOK WATER AUTHORITY	C	CONSERVATION, IRRIGATION RESTRICTION - BENBROOK	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	20.00%			230	1577	3
BENBROOK WATER AUTHORITY	C	CONSERVATION, WATER LOSS CONTROL - BENBROOK	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		230	1299	1
BENBROOK WATER AUTHORITY	C	CONSERVATION, WATER LOSS CONTROL - BENBROOK	C	CONSTRUCTION FUNDING	\$0.00	N/A		230	1299	2
BENBROOK WATER AUTHORITY	C	CONSERVATION, WATER LOSS CONTROL - BENBROOK	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	20.00%			230	1299	3
BLACK ROCK WSC	C	BLACK ROCK WSC - NEW WELLS IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				12933	3819	1
BLACK ROCK WSC	C	BLACK ROCK WSC - NEW WELLS IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING				12933	3819	2
BLACK ROCK WSC	C	BLACK ROCK WSC - NEW WELLS IN TRINITY AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				12933	3819	3
BLACK ROCK WSC	C	CONSERVATION, IRRIGATION RESTRICTION - BLACK ROCK WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				12933	3311	1
BLACK ROCK WSC	C	CONSERVATION, IRRIGATION RESTRICTION - BLACK ROCK WSC	C	CONSTRUCTION FUNDING				12933	3311	2
BLACK ROCK WSC	C	CONSERVATION, IRRIGATION RESTRICTION - BLACK ROCK WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				12933	3311	3
BLACK ROCK WSC	C	CONSERVATION, WATER LOSS CONTROL - BLACK ROCK WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				12933	2906	1
BLACK ROCK WSC	C	CONSERVATION, WATER LOSS CONTROL - BLACK ROCK WSC	C	CONSTRUCTION FUNDING				12933	2906	2
BLACK ROCK WSC	C	CONSERVATION, WATER LOSS CONTROL - BLACK ROCK WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				12933	2906	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
BLACKLAND WSC	C	BLACKLAND WSC - DIRECT CONNECTION TO NTWMD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	5500,000.00	2021		246	1109	1
BLACKLAND WSC	C	BLACKLAND WSC - DIRECT CONNECTION TO NTWMD	C	CONSTRUCTION FUNDING	\$6,304,000.00	2021		246	1109	2
BLACKLAND WSC	C	BLACKLAND WSC - DIRECT CONNECTION TO NTWMD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	0.00%			246	1109	3
BLACKLAND WSC	C	CONSERVATION, IRRIGATION RESTRICTION - BLACKLAND WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$2,000.00	2021		246	3312	1
BLACKLAND WSC	C	CONSERVATION, IRRIGATION RESTRICTION - BLACKLAND WSC	C	CONSTRUCTION FUNDING	\$6,000.00	2022		246	3312	2
BLACKLAND WSC	C	CONSERVATION, IRRIGATION RESTRICTION - BLACKLAND WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	0.00%			246	3312	3
BLOOMING GROVE	C	CONSERVATION, IRRIGATION RESTRICTION - BLOOMING GROVE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		248	3313	1
BLOOMING GROVE	C	CONSERVATION, IRRIGATION RESTRICTION - BLOOMING GROVE	C	CONSTRUCTION FUNDING	\$0.00	N/A		248	3313	2
BLOOMING GROVE	C	CONSERVATION, IRRIGATION RESTRICTION - BLOOMING GROVE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			248	3313	3
BLOOMING GROVE	C	CONSERVATION, WATER LOSS CONTROL - BLOOMING GROVE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		248	1303	1
BLOOMING GROVE	C	CONSERVATION, WATER LOSS CONTROL - BLOOMING GROVE	C	CONSTRUCTION FUNDING	\$0.00	N/A		248	1303	2
BLOOMING GROVE	C	CONSERVATION, WATER LOSS CONTROL - BLOOMING GROVE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			248	1303	3
BLUE RIDGE	C	BLUE RIDGE - CONNECT TO AND PURCHASE WATER FROM NTWMD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		252	999	1
BLUE RIDGE	C	BLUE RIDGE - CONNECT TO AND PURCHASE WATER FROM NTWMD	C	CONSTRUCTION FUNDING	\$0.00	N/A		252	999	2
BLUE RIDGE	C	BLUE RIDGE - CONNECT TO AND PURCHASE WATER FROM NTWMD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			252	999	3
BLUE RIDGE	C	BLUE RIDGE - INCREASE DELIVERY INFRASTRUCTURE FROM NTWMD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		252	1000	1
BLUE RIDGE	C	BLUE RIDGE - INCREASE DELIVERY INFRASTRUCTURE FROM NTWMD	C	CONSTRUCTION FUNDING	\$0.00	N/A		252	1000	2
BLUE RIDGE	C	BLUE RIDGE - INCREASE DELIVERY INFRASTRUCTURE FROM NTWMD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			252	1000	3
BLUE RIDGE	C	BLUE RIDGE - INCREASE DELIVERY INFRASTRUCTURE FROM NTWMD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		252	4074	1
BLUE RIDGE	C	BLUE RIDGE - INCREASE DELIVERY INFRASTRUCTURE FROM NTWMD	C	CONSTRUCTION FUNDING	\$0.00	N/A		252	4074	2
BLUE RIDGE	C	BLUE RIDGE - INCREASE DELIVERY INFRASTRUCTURE FROM NTWMD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			252	4074	3
BLUE RIDGE	C	CONSERVATION, IRRIGATION RESTRICTION - BLUE RIDGE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		252	3314	1
BLUE RIDGE	C	CONSERVATION, IRRIGATION RESTRICTION - BLUE RIDGE	C	CONSTRUCTION FUNDING	\$0.00	N/A		252	3314	2
BLUE RIDGE	C	CONSERVATION, IRRIGATION RESTRICTION - BLUE RIDGE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			252	3314	3
BLUE RIDGE	C	CONSERVATION, WATER LOSS CONTROL - BLUE RIDGE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		252	1305	1
BLUE RIDGE	C	CONSERVATION, WATER LOSS CONTROL - BLUE RIDGE	C	CONSTRUCTION FUNDING	\$0.00	N/A		252	1305	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
BLUE RIDGE	C	CONSERVATION, WATER LOSS CONTROL - BLUE RIDGE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			252	1305	3
BOIS D ARC MUD	C	BOIS D ARC MUD - CONNECT TO NTWMD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				12937	4099	1
BOIS D ARC MUD	C	BOIS D ARC MUD - CONNECT TO NTWMD	C	CONSTRUCTION FUNDING				12937	4099	2
BOIS D ARC MUD	C	BOIS D ARC MUD - CONNECT TO NTWMD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				12937	4099	3
BOIS D ARC MUD	C	CONSERVATION, WATER LOSS CONTROL - BOIS D ARC MUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				12937	2907	1
BOIS D ARC MUD	C	CONSERVATION, WATER LOSS CONTROL - BOIS D ARC MUD	C	CONSTRUCTION FUNDING				12937	2907	2
BOIS D ARC MUD	C	CONSERVATION, WATER LOSS CONTROL - BOIS D ARC MUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				12937	2907	3
BOLIVAR WSC	C	BOLIVAR WSC - NEW WELL(S) IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		255	4015	1
BOLIVAR WSC	C	BOLIVAR WSC - NEW WELL(S) IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING	\$0.00	N/A		255	4015	2
BOLIVAR WSC	C	BOLIVAR WSC - NEW WELL(S) IN TRINITY AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			255	4015	3
BOLIVAR WSC	C	CONSERVATION, WATER LOSS CONTROL - BOLIVAR WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		255	1306	1
BOLIVAR WSC	C	CONSERVATION, WATER LOSS CONTROL - BOLIVAR WSC	C	CONSTRUCTION FUNDING	\$0.00	N/A		255	1306	2
BOLIVAR WSC	C	CONSERVATION, WATER LOSS CONTROL - BOLIVAR WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			255	1306	3
BONHAM	C	CONSERVATION, WATER LOSS CONTROL - BONHAM	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				256	1307	1
BONHAM	C	CONSERVATION, WATER LOSS CONTROL - BONHAM	C	CONSTRUCTION FUNDING				256	1307	2
BONHAM	C	CONSERVATION, WATER LOSS CONTROL - BONHAM	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				256	1307	3
BOYD	C	CONSERVATION, WATER LOSS CONTROL - BOYD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				260	3315	1
BOYD	C	CONSERVATION, WATER LOSS CONTROL - BOYD	C	CONSTRUCTION FUNDING				260	3315	2
BOYD	C	CONSERVATION, WATER LOSS CONTROL - BOYD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				260	3315	3
BRIDGEPORT	C	CONSERVATION, WATER LOSS CONTROL - BOYD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				260	1308	1
BRIDGEPORT	C	CONSERVATION, WATER LOSS CONTROL - BOYD	C	CONSTRUCTION FUNDING				260	1308	2
BRIDGEPORT	C	CONSERVATION, WATER LOSS CONTROL - BOYD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				260	1308	3
BRIDGEPORT	C	BRIDGEPORT - 1 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				272	862	1
BRIDGEPORT	C	BRIDGEPORT - 1 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING				272	862	2
BRIDGEPORT	C	BRIDGEPORT - 1 MGD WTP EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				272	862	3
BRIDGEPORT	C	BRIDGEPORT - 2 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				272	861	1
BRIDGEPORT	C	BRIDGEPORT - 2 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING				272	861	2
BRIDGEPORT	C	BRIDGEPORT - 2 MGD WTP EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				272	861	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
BRIDGEPORT	C	BRIDGEPORT - EXPAND CAPACITY OF LAKE INTAKE AND PUMP STATION		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				272	1133	1
BRIDGEPORT	C	BRIDGEPORT - EXPAND CAPACITY OF LAKE INTAKE AND PUMP STATION		CONSTRUCTION FUNDING				272	1133	2
BRIDGEPORT	C	BRIDGEPORT - EXPAND CAPACITY OF LAKE INTAKE AND PUMP STATION		PERCENT STATE				272	1133	3
BRIDGEPORT	C	CONSERVATION, IRRIGATION RESTRICTION - BRIDGEPORT		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				272	3316	1
BRIDGEPORT	C	CONSERVATION, IRRIGATION RESTRICTION - BRIDGEPORT		CONSTRUCTION FUNDING				272	3316	2
BRIDGEPORT	C	CONSERVATION, IRRIGATION RESTRICTION - BRIDGEPORT		PERCENT STATE				272	3316	3
BRIDGEPORT	C	CONSERVATION, IRRIGATION RESTRICTION - BRIDGEPORT		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				272	3316	1
BRIDGEPORT	C	CONSERVATION, IRRIGATION RESTRICTION - BRIDGEPORT		CONSTRUCTION FUNDING				272	3316	2
BRIDGEPORT	C	CONSERVATION, IRRIGATION RESTRICTION - BRIDGEPORT		PERCENT STATE				272	3316	3
BUENA VISTA-BETHEL SUD	C	CONSERVATION, IRRIGATION RESTRICTION - BUENA VISTA-BETHEL SUD		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		286	3317	1
BUENA VISTA-BETHEL SUD	C	CONSERVATION, IRRIGATION RESTRICTION - BUENA VISTA-BETHEL SUD		CONSTRUCTION FUNDING	50.00	N/A		286	3317	2
BUENA VISTA-BETHEL SUD	C	CONSERVATION, IRRIGATION RESTRICTION - BUENA VISTA-BETHEL SUD		PERCENT STATE	50.00			286	3317	3
BUENA VISTA-BETHEL SUD	C	CONSERVATION, WATER LOSS CONTROL - BUENA VISTA-BETHEL SUD		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		286	1312	1
BUENA VISTA-BETHEL SUD	C	CONSERVATION, WATER LOSS CONTROL - BUENA VISTA-BETHEL SUD		CONSTRUCTION FUNDING	50.00	N/A		286	1312	2
BUENA VISTA-BETHEL SUD	C	CONSERVATION, WATER LOSS CONTROL - BUENA VISTA-BETHEL SUD		PERCENT STATE	50.00			286	1312	3
BUENA VISTA-BETHEL SUD	C	CONSERVATION, WATER LOSS CONTROL - BUENA VISTA-BETHEL SUD		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00			286	1312	1
BUENA VISTA-BETHEL SUD	C	CONSERVATION, WATER LOSS CONTROL - BUENA VISTA-BETHEL SUD		CONSTRUCTION FUNDING	50.00			286	1312	2
BUENA VISTA-BETHEL SUD	C	CONSERVATION, WATER LOSS CONTROL - BUENA VISTA-BETHEL SUD		PERCENT STATE	50.00			286	1312	3
BUTLER WSC	C	CONSERVATION, WATER LOSS CONTROL - BUTLER WSC		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2945	2908	1
BUTLER WSC	C	CONSERVATION, WATER LOSS CONTROL - BUTLER WSC		CONSTRUCTION FUNDING	50.00	N/A		2945	2908	2
BUTLER WSC	C	CONSERVATION, WATER LOSS CONTROL - BUTLER WSC		PERCENT STATE	50.00			2945	2908	3
CALLSBURG WSC	C	CONSERVATION, WATER LOSS CONTROL - CALLSBURG WSC		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				12946	2910	1
CALLSBURG WSC	C	CONSERVATION, WATER LOSS CONTROL - CALLSBURG WSC		CONSTRUCTION FUNDING				12946	2910	2
CALLSBURG WSC	C	CONSERVATION, WATER LOSS CONTROL - CALLSBURG WSC		PERCENT STATE				12946	2910	3
CARROLLTON	C	CONSERVATION, IRRIGATION RESTRICTION - CARROLLTON		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		305	3319	1
CARROLLTON	C	CONSERVATION, IRRIGATION RESTRICTION - CARROLLTON		CONSTRUCTION FUNDING	50.00	N/A		305	3319	2
CARROLLTON	C	CONSERVATION, IRRIGATION RESTRICTION - CARROLLTON		PERCENT STATE	50.00			305	3319	3
CARROLLTON	C	CONSERVATION, IRRIGATION RESTRICTION - CARROLLTON		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00			305	3319	1
CARROLLTON	C	CONSERVATION, IRRIGATION RESTRICTION - CARROLLTON		CONSTRUCTION FUNDING	50.00			305	3319	2
CARROLLTON	C	CONSERVATION, IRRIGATION RESTRICTION - CARROLLTON		PERCENT STATE	50.00			305	3319	3
CEDAR HILL	C	CONSERVATION - WASTE PROHIBITION, CEDAR HILL		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				23	1567	1
CEDAR HILL	C	CONSERVATION - WASTE PROHIBITION, CEDAR HILL		CONSTRUCTION FUNDING				23	1567	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
CEDAR HILL	C	CONSERVATION - WASTE PROHIBITION, CEDAR HILL	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				23	1567	3
CEDAR HILL	C	CONSERVATION, IRRIGATION RESTRICTION - CEDAR HILL	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				23	3321	1
CEDAR HILL	C	CONSERVATION, IRRIGATION RESTRICTION - CEDAR HILL	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				23	3321	2
CEDAR HILL	C	CONSERVATION, IRRIGATION RESTRICTION - CEDAR HILL	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				23	3321	3
CEDAR HILL	C	CONSERVATION, WATER LOSS CONTROL - CEDAR HILL	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				23	1317	1
CEDAR HILL	C	CONSERVATION, WATER LOSS CONTROL - CEDAR HILL	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				23	1317	2
CEDAR HILL	C	CONSERVATION, WATER LOSS CONTROL - CEDAR HILL	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				23	1317	3
CELINA	C	CELINA - CONNECT TO AND PURCHASE WATER FROM NTMWD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				309	1001	1
CELINA	C	CELINA - CONNECT TO AND PURCHASE WATER FROM NTMWD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				309	1001	2
CELINA	C	CELINA - CONNECT TO AND PURCHASE WATER FROM NTMWD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				309	1001	3
CELINA	C	CONSERVATION, IRRIGATION RESTRICTION - CELINA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				309	3322	1
CELINA	C	CONSERVATION, IRRIGATION RESTRICTION - CELINA	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				309	3322	2
CELINA	C	CONSERVATION, IRRIGATION RESTRICTION - CELINA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				309	3322	3
CELINA	C	CONSERVATION, WATER LOSS CONTROL - CELINA	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				309	1318	1
CELINA	C	CONSERVATION, WATER LOSS CONTROL - CELINA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				309	1318	2
CELINA	C	CONSERVATION, WATER LOSS CONTROL - CELINA	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				309	1318	3
CHATFIELD WSC	C	CONSERVATION, WATER LOSS CONTROL - CHATFIELD WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				315	1319	1
CHATFIELD WSC	C	CONSERVATION, WATER LOSS CONTROL - CHATFIELD WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		315	1319	2
CHATFIELD WSC	C	CONSERVATION, WATER LOSS CONTROL - CHATFIELD WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00	N/A		315	1319	3
CHICO	C	CHICO - ADDITIONAL DELIVERY INFRASTRUCTURE FROM WEST WISE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				316	1134	1
CHICO	C	CHICO - ADDITIONAL DELIVERY INFRASTRUCTURE FROM WEST WISE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				316	1134	2
CHICO	C	CHICO - ADDITIONAL DELIVERY INFRASTRUCTURE FROM WEST WISE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				316	1134	3
CHICO	C	CONSERVATION, IRRIGATION RESTRICTION - CHICO	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				316	3323	1
CHICO	C	CONSERVATION, IRRIGATION RESTRICTION - CHICO	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				316	3323	2
CHICO	C	CONSERVATION, IRRIGATION RESTRICTION - CHICO	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				316	3323	3
CHICO	C	CONSERVATION, WATER LOSS CONTROL - CHICO	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				316	1320	1
CHICO	C	CONSERVATION, WATER LOSS CONTROL - CHICO	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				316	1320	2
CHICO	C	CONSERVATION, WATER LOSS CONTROL - CHICO	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				316	1320	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
COPPELL	C	CONSERVATION, IRRIGATION RESTRICTION - COPPELL	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				359	3325	3
COPPELL	C	CONSERVATION, WATER LOSS CONTROL - COPPELL	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				359	1328	1
COPPELL	C	CONSERVATION, WATER LOSS CONTROL - COPPELL	C	CONSTRUCTION FUNDING				359	1328	2
COPPELL	C	CONSERVATION, WATER LOSS CONTROL - COPPELL	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				359	1328	3
CORBET WSC	C	CONSERVATION, WATER LOSS CONTROL - CORBET WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2815	1330	1
CORBET WSC	C	CONSERVATION, WATER LOSS CONTROL - CORBET WSC	C	CONSTRUCTION FUNDING	50.00	N/A		2815	1330	2
CORBET WSC	C	CONSERVATION, WATER LOSS CONTROL - CORBET WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2815	1330	3
CORINTH	C	CONSERVATION - WASTE PROHIBITION, CORINTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				362	3429	1
CORINTH	C	CONSERVATION - WASTE PROHIBITION, CORINTH	C	CONSTRUCTION FUNDING				362	3429	2
CORINTH	C	CONSERVATION - WASTE PROHIBITION, CORINTH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				362	3429	3
CORINTH	C	CONSERVATION, IRRIGATION RESTRICTION - CORINTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				362	1578	1
CORINTH	C	CONSERVATION, IRRIGATION RESTRICTION - CORINTH	C	CONSTRUCTION FUNDING				362	1578	2
CORINTH	C	CONSERVATION, IRRIGATION RESTRICTION - CORINTH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				362	1578	3
CORINTH	C	CONSERVATION, WATER LOSS CONTROL - CORINTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				362	1331	1
CORINTH	C	CONSERVATION, WATER LOSS CONTROL - CORINTH	C	CONSTRUCTION FUNDING				362	1331	2
CORINTH	C	CONSERVATION, WATER LOSS CONTROL - CORINTH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				362	1331	3
CORSICANA	C	CONSERVATION, IRRIGATION RESTRICTION - CORSICANA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		33	3326	1
CORSICANA	C	CONSERVATION, IRRIGATION RESTRICTION - CORSICANA	C	CONSTRUCTION FUNDING	50.00	N/A		33	3326	2
CORSICANA	C	CONSERVATION, IRRIGATION RESTRICTION - CORSICANA	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			33	3326	3
CORSICANA	C	CONSERVATION, WATER LOSS CONTROL - CORSICANA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				33	1332	1
CORSICANA	C	CONSERVATION, WATER LOSS CONTROL - CORSICANA	C	CONSTRUCTION FUNDING				33	1332	2
CORSICANA	C	CONSERVATION, WATER LOSS CONTROL - CORSICANA	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				33	1332	3
CORSICANA	C	CORSICANA - 8 MGD WTP EXPANSION, HALBERT-RICHAND CHAMBERS-1	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		33	863	1
CORSICANA	C	CORSICANA - 8 MGD WTP EXPANSION, HALBERT-RICHAND CHAMBERS-1	C	CONSTRUCTION FUNDING	527,697,000.00	2040		33	863	2
CORSICANA	C	CORSICANA - 8 MGD WTP EXPANSION, HALBERT-RICHAND CHAMBERS-1	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			33	863	3
CORSICANA	C	CORSICANA - 8 MGD WTP EXPANSION, HALBERT-RICHAND CHAMBERS-2	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		33	4026	1
CORSICANA	C	CORSICANA - 8 MGD WTP EXPANSION, HALBERT-RICHAND CHAMBERS-2	C	CONSTRUCTION FUNDING	547,722,000.00	2070		33	4026	2
CORSICANA	C	CORSICANA - 8 MGD WTP EXPANSION, HALBERT-RICHAND CHAMBERS-2	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			33	4026	3

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CORSICANA	C	CORSICANA - NEW 8 MGD WTP, HALBERT-RICHLAND CHAMBERS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		33	853	1
CORSICANA	C	CORSICANA - NEW 8 MGD WTP, HALBERT-RICHLAND CHAMBERS	C	CONSTRUCTION FUNDING	\$27,697,000.00	2030		33	853	2
CORSICANA	C	CORSICANA - NEW 8 MGD WTP, HALBERT-RICHLAND CHAMBERS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			33	853	3
COUNTY-OTHER, COLLIN	C	CONSERVATION, WATER LOSS CONTROL - COLLIN COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				409	1548	1
COUNTY-OTHER, COLLIN	C	CONSERVATION, WATER LOSS CONTROL - COLLIN COUNTY	C	CONSTRUCTION FUNDING				409	1548	2
COUNTY-OTHER, COLLIN	C	CONSERVATION, WATER LOSS CONTROL - COLLIN COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				409	1548	3
COUNTY-OTHER, COOKE	C	CONSERVATION, WATER LOSS CONTROL - COOKE COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				415	1549	1
COUNTY-OTHER, COOKE	C	CONSERVATION, WATER LOSS CONTROL - COOKE COUNTY	C	CONSTRUCTION FUNDING				415	1549	2
COUNTY-OTHER, COOKE	C	CONSERVATION, WATER LOSS CONTROL - COOKE COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				415	1549	3
COUNTY-OTHER, DALLAS	C	CONSERVATION, IRRIGATION RESTRICTION - COUNTY-OTHER, DALLAS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				423	3423	1
COUNTY-OTHER, DALLAS	C	CONSERVATION, IRRIGATION RESTRICTION - COUNTY-OTHER, DALLAS	C	CONSTRUCTION FUNDING				423	3423	2
COUNTY-OTHER, DALLAS	C	CONSERVATION, IRRIGATION RESTRICTION - COUNTY-OTHER, DALLAS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				423	3423	3
COUNTY-OTHER, DALLAS	C	CONSERVATION, WATER LOSS CONTROL - DALLAS COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				423	1550	1
COUNTY-OTHER, DALLAS	C	CONSERVATION, WATER LOSS CONTROL - DALLAS COUNTY	C	CONSTRUCTION FUNDING				423	1550	2
COUNTY-OTHER, DALLAS	C	CONSERVATION, WATER LOSS CONTROL - DALLAS COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				423	1550	3
COUNTY-OTHER, DENTON	C	CONSERVATION, WATER LOSS CONTROL - DENTON COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				427	1551	1
COUNTY-OTHER, DENTON	C	CONSERVATION, WATER LOSS CONTROL - DENTON COUNTY	C	CONSTRUCTION FUNDING				427	1551	2
COUNTY-OTHER, DENTON	C	CONSERVATION, WATER LOSS CONTROL - DENTON COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				427	1551	3
COUNTY-OTHER, DENTON	C	COUNTY-OTHER, DENTON - NEW WELLS IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				427	1032	1
COUNTY-OTHER, DENTON	C	COUNTY-OTHER, DENTON - NEW WELLS IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING				427	1032	2
COUNTY-OTHER, DENTON	C	COUNTY-OTHER, DENTON - NEW WELLS IN TRINITY AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				427	1032	3
COUNTY-OTHER, DENTON	C	COUNTY-OTHER, DENTON - NEW WELLS IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				427	1032	1
COUNTY-OTHER, DENTON	C	COUNTY-OTHER, DENTON - NEW WELLS IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING				427	1031	1
COUNTY-OTHER, DENTON	C	COUNTY-OTHER, DENTON - NEW WELLS IN TRINITY AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				427	1031	2
COUNTY-OTHER, DENTON	C	COUNTY-OTHER, DENTON - NEW WELLS IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				427	1031	3
COUNTY-OTHER, ELLIS	C	CONSERVATION, WATER LOSS CONTROL - ELLIS COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				436	1552	1
COUNTY-OTHER, ELLIS	C	CONSERVATION, WATER LOSS CONTROL - ELLIS COUNTY	C	CONSTRUCTION FUNDING				436	1552	2
COUNTY-OTHER, ELLIS	C	CONSERVATION, WATER LOSS CONTROL - ELLIS COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				436	1552	3
COUNTY-OTHER, FANNIN	C	CONSERVATION, WATER LOSS CONTROL - FANNIN COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				440	1553	1
COUNTY-OTHER, FANNIN	C	CONSERVATION, WATER LOSS CONTROL - FANNIN COUNTY	C	CONSTRUCTION FUNDING				440	1553	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
COUNTY-OTHER, FANNIN	C	CONSERVATION, WATER LOSS CONTROL - FANNIN COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				440	1553	3
COUNTY-OTHER, FREESTONE	C	CONSERVATION, WATER LOSS CONTROL - FREESTONE COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				447	1554	1
COUNTY-OTHER, FREESTONE	C	CONSERVATION, WATER LOSS CONTROL - FREESTONE COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				447	1554	2
COUNTY-OTHER, FREESTONE	C	CONSERVATION, WATER LOSS CONTROL - FREESTONE COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				447	1554	3
COUNTY-OTHER, FREESTONE	C	COUNTY-OTHER, FREESTONE - ADDITIONAL DELIVERY INFRASTRUCTURE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				447	1063	1
COUNTY-OTHER, FREESTONE	C	COUNTY-OTHER, FREESTONE - ADDITIONAL DELIVERY INFRASTRUCTURE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				447	1063	2
COUNTY-OTHER, FREESTONE	C	COUNTY-OTHER, FREESTONE - ADDITIONAL DELIVERY INFRASTRUCTURE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				447	1063	3
COUNTY-OTHER, FREESTONE	C	COUNTY-OTHER, FREESTONE - NEW DELIVERY AND TREATMENT FACILITY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				447	1064	1
COUNTY-OTHER, FREESTONE	C	COUNTY-OTHER, FREESTONE - NEW DELIVERY AND TREATMENT FACILITY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				447	1064	2
COUNTY-OTHER, FREESTONE	C	COUNTY-OTHER, FREESTONE - NEW DELIVERY AND TREATMENT FACILITY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				447	1064	3
COUNTY-OTHER, GRAYSON	C	CONSERVATION, WATER LOSS CONTROL - GRAYSON COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				457	1555	1
COUNTY-OTHER, GRAYSON	C	CONSERVATION, WATER LOSS CONTROL - GRAYSON COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				457	1555	2
COUNTY-OTHER, GRAYSON	C	CONSERVATION, WATER LOSS CONTROL - GRAYSON COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				457	1555	3
COUNTY-OTHER, JACK	C	CONSERVATION, WATER LOSS CONTROL - JACK COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				485	1557	1
COUNTY-OTHER, JACK	C	CONSERVATION, WATER LOSS CONTROL - JACK COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				485	1557	2
COUNTY-OTHER, JACK	C	CONSERVATION, WATER LOSS CONTROL - JACK COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				485	1557	3
COUNTY-OTHER, JACK	C	CONSERVATION, WATER LOSS CONTROL - JACK COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				485	1557	1
COUNTY-OTHER, JACK	C	CONSERVATION, WATER LOSS CONTROL - JACK COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				485	1557	2
COUNTY-OTHER, JACK	C	CONSERVATION, WATER LOSS CONTROL - JACK COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				485	1557	3
COUNTY-OTHER, JACK	C	COUNTY OTHER, JACK - INFRASTRUCTURE TO CONNECT TO JACKSBORO	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				485	1081	1
COUNTY-OTHER, JACK	C	COUNTY OTHER, JACK - INFRASTRUCTURE TO CONNECT TO JACKSBORO	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				485	1081	2
COUNTY-OTHER, JACK	C	COUNTY OTHER, JACK - INFRASTRUCTURE TO CONNECT TO JACKSBORO	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				485	1081	3
COUNTY-OTHER, KAUFMAN	C	CONSERVATION, WATER LOSS CONTROL - KAUFMAN COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				495	1558	1
COUNTY-OTHER, KAUFMAN	C	CONSERVATION, WATER LOSS CONTROL - KAUFMAN COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				495	1558	2
COUNTY-OTHER, KAUFMAN	C	CONSERVATION, WATER LOSS CONTROL - KAUFMAN COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				495	1558	3
COUNTY-OTHER, KAUFMAN	C	COUNTY OTHER, KAUFMAN - WTP AND CONNECT TO TRWD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				495	1079	1
COUNTY-OTHER, KAUFMAN	C	COUNTY OTHER, KAUFMAN - WTP AND CONNECT TO TRWD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				495	1079	2
COUNTY-OTHER, KAUFMAN	C	COUNTY OTHER, KAUFMAN - WTP AND CONNECT TO TRWD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				495	1079	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
COUNTY-OTHER, NAVARRO	C	CONSERVATION, WATER LOSS CONTROL - NAVARRO COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				541	1559	1
COUNTY-OTHER, NAVARRO	C	CONSERVATION, WATER LOSS CONTROL - NAVARRO COUNTY	C	CONSTRUCTION FUNDING				541	1559	2
COUNTY-OTHER, NAVARRO	C	CONSERVATION, WATER LOSS CONTROL - NAVARRO COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				541	1559	3
COUNTY-OTHER, PARKER	C	CONSERVATION, WATER LOSS CONTROL - PARKER COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				550	1560	1
COUNTY-OTHER, PARKER	C	CONSERVATION, WATER LOSS CONTROL - PARKER COUNTY	C	CONSTRUCTION FUNDING				550	1560	2
COUNTY-OTHER, PARKER	C	CONSERVATION, WATER LOSS CONTROL - PARKER COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				550	1560	3
COUNTY-OTHER, PARKER	C	CONSERVATION, WATER LOSS CONTROL - PARKER COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				550	1560	1
COUNTY-OTHER, PARKER	C	CONSERVATION, WATER LOSS CONTROL - PARKER COUNTY	C	CONSTRUCTION FUNDING				550	1560	2
COUNTY-OTHER, PARKER	C	CONSERVATION, WATER LOSS CONTROL - PARKER COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				550	1560	3
COUNTY-OTHER, PARKER	C	COUNTY OTHER, PARKER - NEW WELLS IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				550	1104	1
COUNTY-OTHER, PARKER	C	COUNTY OTHER, PARKER - NEW WELLS IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING				550	1104	2
COUNTY-OTHER, PARKER	C	COUNTY OTHER, PARKER - NEW WELLS IN TRINITY AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				550	1104	3
COUNTY-OTHER, ROCKWALL	C	CONSERVATION, IRRIGATION RESTRICTION - COUNTY-OTHER, ROCKW	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				565	3424	1
COUNTY-OTHER, ROCKWALL	C	CONSERVATION, IRRIGATION RESTRICTION - COUNTY-OTHER, ROCKW	C	CONSTRUCTION FUNDING				565	3424	2
COUNTY-OTHER, ROCKWALL	C	CONSERVATION, IRRIGATION RESTRICTION - COUNTY-OTHER, ROCKW	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				565	3424	3
COUNTY-OTHER, ROCKWALL	C	CONSERVATION, WATER LOSS CONTROL - ROCKWALL COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				565	1561	1
COUNTY-OTHER, ROCKWALL	C	CONSERVATION, WATER LOSS CONTROL - ROCKWALL COUNTY	C	CONSTRUCTION FUNDING				565	1561	2
COUNTY-OTHER, ROCKWALL	C	CONSERVATION, WATER LOSS CONTROL - ROCKWALL COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				565	1561	3
COUNTY-OTHER, TARRANT	C	CONSERVATION, IRRIGATION RESTRICTION - COUNTY-OTHER, TARRAC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				586	3425	1
COUNTY-OTHER, TARRANT	C	CONSERVATION, IRRIGATION RESTRICTION - COUNTY-OTHER, TARRAC	C	CONSTRUCTION FUNDING				586	3425	2
COUNTY-OTHER, TARRANT	C	CONSERVATION, IRRIGATION RESTRICTION - COUNTY-OTHER, TARRAC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				586	3425	3
COUNTY-OTHER, TARRANT	C	CONSERVATION, WATER LOSS CONTROL - TARRANT COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				586	1562	1
COUNTY-OTHER, TARRANT	C	CONSERVATION, WATER LOSS CONTROL - TARRANT COUNTY	C	CONSTRUCTION FUNDING				586	1562	2
COUNTY-OTHER, TARRANT	C	CONSERVATION, WATER LOSS CONTROL - TARRANT COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				586	1562	3
COUNTY-OTHER, WISE	C	CONSERVATION, WATER LOSS CONTROL - WISE COUNTY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				615	1563	1
COUNTY-OTHER, WISE	C	CONSERVATION, WATER LOSS CONTROL - WISE COUNTY	C	CONSTRUCTION FUNDING				615	1563	2
COUNTY-OTHER, WISE	C	CONSERVATION, WATER LOSS CONTROL - WISE COUNTY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				615	1563	3
CRANDALL	C	CONSERVATION, IRRIGATION RESTRICTION - CRANDALL	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				622	3327	1
CRANDALL	C	CONSERVATION, IRRIGATION RESTRICTION - CRANDALL	C	CONSTRUCTION FUNDING				622	3327	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
CRANDALL	C	CONSERVATION, IRRIGATION RESTRICTION - CRANDALL	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				622	3327	3
CRANDALL	C	CONSERVATION, WATER LOSS CONTROL - CRANDALL	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				622	1333	1
CRANDALL	C	CONSERVATION, WATER LOSS CONTROL - CRANDALL	C	CONSTRUCTION FUNDING				622	1333	2
CRANDALL	C	CONSERVATION, WATER LOSS CONTROL - CRANDALL	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				622	1333	3
CRESCENT HEIGHTS WSC	C	CONSERVATION, WATER LOSS CONTROL - CRESCENT HEIGHTS WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				12969	2914	1
CRESCENT HEIGHTS WSC	C	CONSERVATION, WATER LOSS CONTROL - CRESCENT HEIGHTS WSC	C	CONSTRUCTION FUNDING				12969	2914	2
CRESCENT HEIGHTS WSC	C	CONSERVATION, WATER LOSS CONTROL - CRESCENT HEIGHTS WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				12969	2914	3
CROSS TIMBERS WSC	C	CONSERVATION, IRRIGATION RESTRICTION - CROSS TIMBERS WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		212	3328	1
CROSS TIMBERS WSC	C	CONSERVATION, IRRIGATION RESTRICTION - CROSS TIMBERS WSC	C	CONSTRUCTION FUNDING	\$0.00	N/A		212	3328	2
CROSS TIMBERS WSC	C	CONSERVATION, IRRIGATION RESTRICTION - CROSS TIMBERS WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			212	3328	3
CROSS TIMBERS WSC	C	CONSERVATION, WATER LOSS CONTROL - CROSS TIMBERS WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		212	2915	1
CROSS TIMBERS WSC	C	CONSERVATION, WATER LOSS CONTROL - CROSS TIMBERS WSC	C	CONSTRUCTION FUNDING	\$0.00	N/A		212	2915	2
CROSS TIMBERS WSC	C	CONSERVATION, WATER LOSS CONTROL - CROSS TIMBERS WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			212	2915	3
CROSS TIMBERS WSC	C	CROSS TIMBERS WSC - ADDITIONAL DELIVERY INFRASTRUCTURE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		212	1029	1
CROSS TIMBERS WSC	C	CROSS TIMBERS WSC - ADDITIONAL DELIVERY INFRASTRUCTURE	C	CONSTRUCTION FUNDING	\$0.00	N/A		212	1029	2
CROSS TIMBERS WSC	C	CROSS TIMBERS WSC - ADDITIONAL DELIVERY INFRASTRUCTURE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			212	1029	3
CROSS TIMBERS WSC	C	CROSS TIMBERS WSC - ADDITIONAL DELIVERY INFRASTRUCTURE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00			212	1029	3
CROSS TIMBERS WSC	C	CROSS TIMBERS WSC - NEW WELLS IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		212	4016	1
CROSS TIMBERS WSC	C	CROSS TIMBERS WSC - NEW WELLS IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING	\$0.00	N/A		212	4016	2
CROSS TIMBERS WSC	C	CROSS TIMBERS WSC - NEW WELLS IN TRINITY AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			212	4016	3
CROWLEY	C	CONSERVATION, WATER LOSS CONTROL - CROWLEY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				634	1336	1
CROWLEY	C	CONSERVATION, WATER LOSS CONTROL - CROWLEY	C	CONSTRUCTION FUNDING				634	1336	2
CROWLEY	C	CONSERVATION, WATER LOSS CONTROL - CROWLEY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				634	1336	3
CROWLEY	C	CROWLEY - ADDITIONAL DELIVERY INFRASTRUCTURE FORT WORTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				634	1117	1
CROWLEY	C	CROWLEY - ADDITIONAL DELIVERY INFRASTRUCTURE FORT WORTH	C	CONSTRUCTION FUNDING				634	1117	2
CROWLEY	C	CROWLEY - ADDITIONAL DELIVERY INFRASTRUCTURE FORT WORTH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				634	1117	3
CULLEOKA WSC	C	CONSERVATION, WATER LOSS CONTROL - CULLEOKA WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		639	1337	1
CULLEOKA WSC	C	CONSERVATION, WATER LOSS CONTROL - CULLEOKA WSC	C	CONSTRUCTION FUNDING	\$0.00	N/A		639	1337	2
CULLEOKA WSC	C	CONSERVATION, WATER LOSS CONTROL - CULLEOKA WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			639	1337	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
DALLAS	C	CONSERVATION, WATER LOSS CONTROL - DALLAS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		34	1338	1
DALLAS	C	CONSERVATION, WATER LOSS CONTROL - DALLAS	C	CONSTRUCTION FUNDING	\$0.00	N/A		34	1338	2
DALLAS	C	CONSERVATION, WATER LOSS CONTROL - DALLAS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			34	1338	3
DALLAS	C	DWU - CONNECT IPI TO BACHMAN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$143,476,200.00	2021		34	967	1
DALLAS	C	DWU - CONNECT IPI TO BACHMAN	C	CONSTRUCTION FUNDING	\$573,904,800.00	2023		34	967	2
DALLAS	C	DWU - CONNECT IPI TO BACHMAN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			34	967	3
DALLAS	C	DWU - INFRASTRUCTURE TO TREAT AND DELIVER TO CUSTOMERS 20C	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$46,692,600.00	2020		34	1156	1
DALLAS	C	DWU - INFRASTRUCTURE TO TREAT AND DELIVER TO CUSTOMERS 20C	C	CONSTRUCTION FUNDING	\$194,770,400.00	2021		34	1156	2
DALLAS	C	DWU - INFRASTRUCTURE TO TREAT AND DELIVER TO CUSTOMERS 20C	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			34	1156	3
DALLAS	C	DWU - INFRASTRUCTURE TO TREAT AND DELIVER TO CUSTOMERS 20C	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$365,515,600.00	2024		34	1157	1
DALLAS	C	DWU - INFRASTRUCTURE TO TREAT AND DELIVER TO CUSTOMERS 20C	C	CONSTRUCTION FUNDING	\$1,462,062,400.00	2026		34	1157	2
DALLAS	C	DWU - INFRASTRUCTURE TO TREAT AND DELIVER TO CUSTOMERS 20C	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			34	1157	3
DALLAS	C	DWU - INFRASTRUCTURE TO TREAT AND DELIVER TO CUSTOMERS 20C	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$35,878,800.00	2034		34	1158	1
DALLAS	C	DWU - INFRASTRUCTURE TO TREAT AND DELIVER TO CUSTOMERS 20C	C	CONSTRUCTION FUNDING	\$143,515,200.00	2036		34	1158	2
DALLAS	C	DWU - INFRASTRUCTURE TO TREAT AND DELIVER TO CUSTOMERS 20C	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			34	1158	3
DALLAS	C	DWU - LAKE COLUMBIA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$64,453,400.00	2055		34	969	1
DALLAS	C	DWU - LAKE COLUMBIA	C	CONSTRUCTION FUNDING	\$257,813,600.00	2062		34	969	2
DALLAS	C	DWU - LAKE COLUMBIA	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			34	969	3
DALLAS	C	DWU - MAIN STEM BALANCING RESERVOIR	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$154,580,800.00	2035		34	834	1
DALLAS	C	DWU - MAIN STEM BALANCING RESERVOIR	C	CONSTRUCTION FUNDING	\$616,323,200.00	2042		34	834	2
DALLAS	C	DWU - MAIN STEM BALANCING RESERVOIR	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			34	834	3
DALLAS	C	DWU - NECHES RIVER RUN-OF-THE-RIVER DIVERSIONS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$52,323,200.00	2047		34	968	1
DALLAS	C	DWU - NECHES RIVER RUN-OF-THE-RIVER DIVERSIONS	C	CONSTRUCTION FUNDING	\$209,292,800.00	2052		34	968	2
DALLAS	C	DWU - NECHES RIVER RUN-OF-THE-RIVER DIVERSIONS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			34	968	3
DALLAS	C	DWU - PARALLEL IPI	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$159,047,200.00	2055		34	4102	1
DALLAS	C	DWU - PARALLEL IPI	C	CONSTRUCTION FUNDING	\$636,188,800.00	2062		34	4102	2
DALLAS	C	DWU - PARALLEL IPI	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			34	4102	3
DALWORTHINGTON GARDEN	C	CONSERVATION - WASTE PROHIBITION, DALWORTHINGTON GARDE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				646	3430	1
DALWORTHINGTON GARDEN	C	CONSERVATION - WASTE PROHIBITION, DALWORTHINGTON GARDE	C	CONSTRUCTION FUNDING				646	3430	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
DALWORTHINGTON GARDEN	C	CONSERVATION - WASTE PROHIBITION, DALWORTHINGTON GARDEN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				646	3430	3
DALWORTHINGTON GARDEN	C	CONSERVATION, IRRIGATION RESTRICTION - DALWORTHINGTON GARDEN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				646	3331	1
DALWORTHINGTON GARDEN	C	CONSERVATION, IRRIGATION RESTRICTION - DALWORTHINGTON GARDEN	C	CONSTRUCTION FUNDING				646	3331	2
DALWORTHINGTON GARDEN	C	CONSERVATION, IRRIGATION RESTRICTION - DALWORTHINGTON GARDEN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				646	3331	3
DALWORTHINGTON GARDEN	C	CONSERVATION, WATER LOSS CONTROL - DALWORTHINGTON GARDEN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				646	1339	1
DALWORTHINGTON GARDEN	C	CONSERVATION, WATER LOSS CONTROL - DALWORTHINGTON GARDEN	C	CONSTRUCTION FUNDING				646	1339	2
DALWORTHINGTON GARDEN	C	CONSERVATION, WATER LOSS CONTROL - DALWORTHINGTON GARDEN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				646	1339	3
DAWSON	C	CONSERVATION, WATER LOSS CONTROL - DAWSON	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				648	1340	1
DAWSON	C	CONSERVATION, WATER LOSS CONTROL - DAWSON	C	CONSTRUCTION FUNDING				648	1340	2
DAWSON	C	CONSERVATION, WATER LOSS CONTROL - DAWSON	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				648	1340	3
DECATUR	C	CONSERVATION, IRRIGATION RESTRICTION - DECATUR	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		653	3332	1
DECATUR	C	CONSERVATION, IRRIGATION RESTRICTION - DECATUR	C	CONSTRUCTION FUNDING	50.00	N/A		653	3332	2
DECATUR	C	CONSERVATION, IRRIGATION RESTRICTION - DECATUR	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			653	3332	3
DECATUR	C	CONSERVATION, WATER LOSS CONTROL - DECATUR	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		653	1341	1
DECATUR	C	CONSERVATION, WATER LOSS CONTROL - DECATUR	C	CONSTRUCTION FUNDING	50.00	N/A		653	1341	2
DECATUR	C	CONSERVATION, WATER LOSS CONTROL - DECATUR	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			653	1341	3
DENISON	C	CONSERVATION - WASTE PROHIBITION, DENISON	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				655	3333	1
DENISON	C	CONSERVATION, IRRIGATION RESTRICTION - DENISON	C	CONSTRUCTION FUNDING				655	3333	2
DENISON	C	CONSERVATION, IRRIGATION RESTRICTION - DENISON	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				655	3333	3
DENISON	C	CONSERVATION, WATER LOSS CONTROL - DENISON	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				655	1342	1
DENISON	C	CONSERVATION, WATER LOSS CONTROL - DENISON	C	CONSTRUCTION FUNDING				655	1342	2
DENISON	C	CONSERVATION, WATER LOSS CONTROL - DENISON	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				655	1342	3
DENISON	C	DENISON - 10 MGD DESALINATION WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				655	865	1
DENISON	C	DENISON - 10 MGD DESALINATION WTP EXPANSION	C	CONSTRUCTION FUNDING				655	865	2
DENISON	C	DENISON - 10 MGD DESALINATION WTP EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				655	865	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IRElementName	IRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
DENISON	C	DENISON - EXPAND RAW WATER DELIVERY FROM LAKE TEXOMA - PHC		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				655	1067	1
DENISON	C	DENISON - EXPAND RAW WATER DELIVERY FROM LAKE TEXOMA - PHC		CONSTRUCTION FUNDING				655	1067	2
DENISON	C	DENISON - EXPAND RAW WATER DELIVERY FROM LAKE TEXOMA - PHC		PERCENT STATE				655	1067	3
DENISON	C	DENISON - EXPAND RAW WATER DELIVERY FROM LAKE TEXOMA - PHC		PARTICIPATION IN OWNING EXCESS CAPACITY				655	1067	3
DENISON	C	DENISON - EXPAND RAW WATER DELIVERY FROM LAKE TEXOMA - PHC		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				655	4077	1
DENISON	C	DENISON - EXPAND RAW WATER DELIVERY FROM LAKE TEXOMA - PHC		CONSTRUCTION FUNDING				655	4077	2
DENISON	C	DENISON - EXPAND RAW WATER DELIVERY FROM LAKE TEXOMA - PHC		PERCENT STATE				655	4077	2
DENISON	C	DENISON - EXPAND RAW WATER DELIVERY FROM LAKE TEXOMA - PHC		PARTICIPATION IN OWNING EXCESS CAPACITY				655	4077	3
DENISON	C	DENISON - EXPAND RAW WATER DELIVERY FROM LAKE TEXOMA - PHC		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				655	4077	3
DENISON	C	DENISON - NEW 4 MGD DESALINATION WTP		ACQUISITION FUNDING				655	854	1
DENISON	C	DENISON - NEW 4 MGD DESALINATION WTP		CONSTRUCTION FUNDING				655	854	2
DENISON	C	DENISON - NEW 4 MGD DESALINATION WTP		PERCENT STATE				655	854	2
DENISON	C	DENISON - NEW 4 MGD DESALINATION WTP		PARTICIPATION IN OWNING EXCESS CAPACITY				655	854	3
DENTON	C	CONSERVATION, IRRIGATION RESTRICTION - DENTON		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		38	3334	1
DENTON	C	CONSERVATION, IRRIGATION RESTRICTION - DENTON		CONSTRUCTION FUNDING	50.00	N/A		38	3334	2
DENTON	C	CONSERVATION, IRRIGATION RESTRICTION - DENTON		PERCENT STATE				38	3334	2
DENTON	C	CONSERVATION, IRRIGATION RESTRICTION - DENTON		PARTICIPATION IN OWNING EXCESS CAPACITY	50.00	N/A		38	3334	3
DENTON	C	CONSERVATION, WATER LOSS CONTROL - DENTON		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		38	1343	1
DENTON	C	CONSERVATION, WATER LOSS CONTROL - DENTON		CONSTRUCTION FUNDING	50.00	N/A		38	1343	2
DENTON	C	CONSERVATION, WATER LOSS CONTROL - DENTON		PERCENT STATE				38	1343	2
DENTON	C	CONSERVATION, WATER LOSS CONTROL - DENTON		PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			38	1343	3
DENTON	C	DENTON - 20 MGD WTP EXPANSION		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	15,000,000.00	2068		38	871	1
DENTON	C	DENTON - 20 MGD WTP EXPANSION		CONSTRUCTION FUNDING	889,736,000.00	2070		38	871	2
DENTON	C	DENTON - 20 MGD WTP EXPANSION		PERCENT STATE				38	871	2
DENTON	C	DENTON - 20 MGD WTP EXPANSION		PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			38	871	3
DENTON	C	DENTON - 20 MGD WTP EXPANSION- RAY ROBERTS		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	15,000,000.00	2038		38	869	1
DENTON	C	DENTON - 20 MGD WTP EXPANSION- RAY ROBERTS		CONSTRUCTION FUNDING	889,736,000.00	2040		38	869	2
DENTON	C	DENTON - 20 MGD WTP EXPANSION- RAY ROBERTS		PERCENT STATE				38	869	2
DENTON	C	DENTON - 20 MGD WTP EXPANSION- RAY ROBERTS		PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			38	869	3
DENTON	C	DENTON - 25 MGD WTP EXPANSION		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	20,000,000.00	2058		38	870	1
DENTON	C	DENTON - 25 MGD WTP EXPANSION		CONSTRUCTION FUNDING	1,076,520,000.00	2060		38	870	2
DENTON	C	DENTON - 25 MGD WTP EXPANSION		PERCENT STATE				38	870	2
DENTON	C	DENTON - 25 MGD WTP EXPANSION		PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			38	870	3
DENTON	C	DENTON - 30 MGD WTP EXPANSION- RAY ROBERTS-1		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	15,000,000.00	2027		38	867	1
DENTON	C	DENTON - 30 MGD WTP EXPANSION- RAY ROBERTS-1		CONSTRUCTION FUNDING	885,000,000.00	2029		38	867	2
DENTON	C	DENTON - 30 MGD WTP EXPANSION- RAY ROBERTS-1		PERCENT STATE				38	867	2
DENTON	C	DENTON - 30 MGD WTP EXPANSION- RAY ROBERTS-1		PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			38	867	3
DENTON	C	DENTON - 30 MGD WTP EXPANSION- RAY ROBERTS-2		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	20,000,000.00	2048		38	868	1
DENTON	C	DENTON - 30 MGD WTP EXPANSION- RAY ROBERTS-2		CONSTRUCTION FUNDING	1,130,569,000.00	2050		38	868	2
DENTON	C	DENTON - 30 MGD WTP EXPANSION- RAY ROBERTS-2		PERCENT STATE				38	868	2

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DENTON	C	DENTON - 30 MGD WTP EXPANSION- RAY ROBERTS-2	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			38	868	3
DENTON COUNTY FWSD 1-A	C	CONSERVATION, WATER LOSS CONTROL - DENTON COUNTY FWSD # C	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				656	1345	1
DENTON COUNTY FWSD 1-A	C	CONSERVATION, WATER LOSS CONTROL - DENTON COUNTY FWSD # C	C	CONSTRUCTION FUNDING				656	1345	2
DENTON COUNTY FWSD 1-A	C	CONSERVATION, WATER LOSS CONTROL - DENTON COUNTY FWSD # C	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				656	1345	3
DENTON COUNTY FWSD 10	C	CONSERVATION - WASTE PROHIBITION, DENTON COUNTY FWSD 10	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2869	3432	1
DENTON COUNTY FWSD 10	C	CONSERVATION - WASTE PROHIBITION, DENTON COUNTY FWSD 10	C	CONSTRUCTION FUNDING				2869	3432	2
DENTON COUNTY FWSD 10	C	CONSERVATION - WASTE PROHIBITION, DENTON COUNTY FWSD 10	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2869	3432	3
DENTON COUNTY FWSD 10	C	CONSERVATION, IRRIGATION RESTRICTION - DENTON COUNTY FWSD 10	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2869	1579	1
DENTON COUNTY FWSD 10	C	CONSERVATION, IRRIGATION RESTRICTION - DENTON COUNTY FWSD 10	C	CONSTRUCTION FUNDING				2869	1579	2
DENTON COUNTY FWSD 10	C	CONSERVATION, IRRIGATION RESTRICTION - DENTON COUNTY FWSD 10	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2869	1579	3
DENTON COUNTY FWSD 10	C	CONSERVATION, WATER LOSS CONTROL - DENTON COUNTY FWSD # C	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2869	1344	1
DENTON COUNTY FWSD 10	C	CONSERVATION, WATER LOSS CONTROL - DENTON COUNTY FWSD # C	C	CONSTRUCTION FUNDING				2869	1344	2
DENTON COUNTY FWSD 10	C	CONSERVATION, WATER LOSS CONTROL - DENTON COUNTY FWSD # C	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2869	1344	3
DENTON COUNTY FWSD 7	C	CONSERVATION - WASTE PROHIBITION, DENTON COUNTY FWSD 7	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2867	3433	1
DENTON COUNTY FWSD 7	C	CONSERVATION - WASTE PROHIBITION, DENTON COUNTY FWSD 7	C	CONSTRUCTION FUNDING				2867	3433	2
DENTON COUNTY FWSD 7	C	CONSERVATION - WASTE PROHIBITION, DENTON COUNTY FWSD 7	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2867	3433	3
DENTON COUNTY FWSD 7	C	CONSERVATION - WASTE PROHIBITION, DENTON COUNTY FWSD 7	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2867	3433	1
DENTON COUNTY FWSD 7	C	CONSERVATION, IRRIGATION RESTRICTION - DENTON COUNTY FWSD 7	C	CONSTRUCTION FUNDING				2867	1580	1
DENTON COUNTY FWSD 7	C	CONSERVATION, IRRIGATION RESTRICTION - DENTON COUNTY FWSD 7	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2867	1580	2
DENTON COUNTY FWSD 7	C	CONSERVATION, IRRIGATION RESTRICTION - DENTON COUNTY FWSD 7	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2867	1580	3
DENTON COUNTY FWSD 7	C	CONSERVATION, WATER LOSS CONTROL - DENTON COUNTY FWSD # C	C	CONSTRUCTION FUNDING				2867	1346	1
DENTON COUNTY FWSD 7	C	CONSERVATION, WATER LOSS CONTROL - DENTON COUNTY FWSD # C	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2867	1346	2
DENTON COUNTY FWSD 7	C	CONSERVATION, WATER LOSS CONTROL - DENTON COUNTY FWSD # C	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2867	1346	3
DESERT WSC	C	CONSERVATION, WATER LOSS CONSERVATION - DESERT WSC	C	CONSTRUCTION FUNDING	\$2,500.00	2021		12978	2917	1
DESERT WSC	C	CONSERVATION, WATER LOSS CONSERVATION - DESERT WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$10,000.00	2021		12978	2917	2
DESERT WSC	C	CONSERVATION, WATER LOSS CONSERVATION - DESERT WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00			12978	2917	3
DESERT WSC	C	DESERT WSC - NEW WELLS IN WOODBINE AQUIFER	C	CONSTRUCTION FUNDING	\$375,000.00	2021		12978	3821	1
DESERT WSC	C	DESERT WSC - NEW WELLS IN WOODBINE AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$1,125,000.00	2021		12978	3821	2
DESERT WSC	C	DESERT WSC - NEW WELLS IN WOODBINE AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00			12978	3821	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
DESOTO	C	CONSERVATION - WASTE PROHIBITION, DESOTO	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2586	3434	1
DESOTO	C	CONSERVATION - WASTE PROHIBITION, DESOTO	C	CONSTRUCTION FUNDING				2586	3434	2
DESOTO	C	CONSERVATION - WASTE PROHIBITION, DESOTO	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2586	3434	3
DESOTO	C	CONSERVATION, IRRIGATION RESTRICTION - DESOTO	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2586	1581	1
DESOTO	C	CONSERVATION, IRRIGATION RESTRICTION - DESOTO	C	CONSTRUCTION FUNDING				2586	1581	2
DESOTO	C	CONSERVATION, IRRIGATION RESTRICTION - DESOTO	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2586	1581	3
DESOTO	C	CONSERVATION, WATER LOSS CONTROL - DESOTO	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2586	1347	1
DESOTO	C	CONSERVATION, WATER LOSS CONTROL - DESOTO	C	CONSTRUCTION FUNDING				2586	1347	2
DESOTO	C	CONSERVATION, WATER LOSS CONTROL - DESOTO	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2586	1347	3
DOGWOOD ESTATES WATER	C	CONSERVATION, WATER LOSS CONSERVATION - DOGWOOD ESTATES	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				12981	2919	1
DOGWOOD ESTATES WATER	C	CONSERVATION, WATER LOSS CONSERVATION - DOGWOOD ESTATES	C	CONSTRUCTION FUNDING				12981	2919	2
DOGWOOD ESTATES WATER	C	CONSERVATION, WATER LOSS CONSERVATION - DOGWOOD ESTATES	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				12981	2919	3
DOGWOOD ESTATES WATER	C	DOGWOOD ESTATES WATER - NEW WELLS IN CARRIZO-WILCOX AQC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				12981	3829	1
DOGWOOD ESTATES WATER	C	DOGWOOD ESTATES WATER - NEW WELLS IN CARRIZO-WILCOX AQC	C	CONSTRUCTION FUNDING				12981	3829	2
DOGWOOD ESTATES WATER	C	DOGWOOD ESTATES WATER - NEW WELLS IN CARRIZO-WILCOX AQC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				12981	3829	3
DORCHESTER	C	CONSERVATION, WATER LOSS CONTROL - DORCHESTER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$10,000.00	2020		12983	2920	1
DORCHESTER	C	CONSERVATION, WATER LOSS CONTROL - DORCHESTER	C	CONSTRUCTION FUNDING	\$0.00	N/A		12983	2920	2
DORCHESTER	C	CONSERVATION, WATER LOSS CONTROL - DORCHESTER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			12983	2920	3
DORCHESTER	C	DORCHESTER - NEW WELLS IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$755,000.00	2021		12983	4017	1
DORCHESTER	C	DORCHESTER - NEW WELLS IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING	\$1,970,000.00	2021		12983	4017	2
DORCHESTER	C	DORCHESTER - NEW WELLS IN TRINITY AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			12983	4017	3
DUNCANVILLE	C	CONSERVATION, WATER LOSS CONTROL - DUNCANVILLE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		672	1349	1
DUNCANVILLE	C	CONSERVATION, WATER LOSS CONTROL - DUNCANVILLE	C	CONSTRUCTION FUNDING	\$0.00	N/A		672	1349	2
DUNCANVILLE	C	CONSERVATION, WATER LOSS CONTROL - DUNCANVILLE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			672	1349	3
EAST CEDAR CREEK FWSD	C	CONSERVATION, WATER LOSS CONTROL - EAST CEDAR CREEK FWSD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				43	1350	1
EAST CEDAR CREEK FWSD	C	CONSERVATION, WATER LOSS CONTROL - EAST CEDAR CREEK FWSD	C	CONSTRUCTION FUNDING				43	1350	2
EAST CEDAR CREEK FWSD	C	CONSERVATION, WATER LOSS CONTROL - EAST CEDAR CREEK FWSD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				43	1350	3
EAST FORK SUD	C	CONSERVATION, WATER LOSS CONTROL - EAST FORK SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		676	1351	1
EAST FORK SUD	C	CONSERVATION, WATER LOSS CONTROL - EAST FORK SUD	C	CONSTRUCTION FUNDING	\$0.00	N/A		676	1351	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
EAST FORK SUD	C	CONSERVATION, WATER LOSS CONTROL - EAST FORK SUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			676	1351	3
EAST FORK SUD	C	EAST FORK SUD - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTC	NTC	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		676	1111	1
EAST FORK SUD	C	EAST FORK SUD - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTC	NTC	CONSTRUCTION FUNDING	\$0.00	N/A		676	1111	2
EAST FORK SUD	C	EAST FORK SUD - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTC	NTC	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			676	1111	3
EAST GARRETT WSC	C	CONSERVATION - WASTE PROHIBITION, EAST GARRETT WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	2936			2936	3435	1
EAST GARRETT WSC	C	CONSERVATION - WASTE PROHIBITION, EAST GARRETT WSC	C	CONSTRUCTION FUNDING	2936			2936	3435	2
EAST GARRETT WSC	C	CONSERVATION - WASTE PROHIBITION, EAST GARRETT WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	2936			2936	3435	3
EAST GARRETT WSC	C	CONSERVATION, IRRIGATION RESTRICTION - EAST GARRETT WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	2936			2936	3337	1
EAST GARRETT WSC	C	CONSERVATION, IRRIGATION RESTRICTION - EAST GARRETT WSC	C	CONSTRUCTION FUNDING	2936			2936	3337	2
EAST GARRETT WSC	C	CONSERVATION, IRRIGATION RESTRICTION - EAST GARRETT WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	2936			2936	3337	3
EAST GARRETT WSC	C	CONSERVATION, WATER LOSS CONTROL - EAST GARRETT WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	2936			2936	2922	1
EAST GARRETT WSC	C	CONSERVATION, WATER LOSS CONTROL - EAST GARRETT WSC	C	CONSTRUCTION FUNDING	2936			2936	2922	2
EAST GARRETT WSC	C	CONSERVATION, WATER LOSS CONTROL - EAST GARRETT WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	2936			2936	2922	3
EDGECLIFF	C	CONSERVATION - WASTE PROHIBITION, EDGECLIFF	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	2587			2587	3436	1
EDGECLIFF	C	CONSERVATION - WASTE PROHIBITION, EDGECLIFF	C	CONSTRUCTION FUNDING	2587			2587	3436	2
EDGECLIFF	C	CONSERVATION - WASTE PROHIBITION, EDGECLIFF	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	2587			2587	3436	3
EDGECLIFF	C	CONSERVATION - WASTE PROHIBITION, EDGECLIFF	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	2587			2587	3436	1
EDGECLIFF	C	CONSERVATION, IRRIGATION RESTRICTION - EDGECLIFF	C	CONSTRUCTION FUNDING	2587			2587	3338	1
EDGECLIFF	C	CONSERVATION, IRRIGATION RESTRICTION - EDGECLIFF	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	2587			2587	3338	2
EDGECLIFF	C	CONSERVATION, IRRIGATION RESTRICTION - EDGECLIFF	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	2587			2587	3338	3
EDGECLIFF	C	CONSERVATION, WATER LOSS CONTROL - EDGECLIFF VILLAGE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	12993			12993	2923	1
EDGECLIFF	C	CONSERVATION, WATER LOSS CONTROL - EDGECLIFF VILLAGE	C	CONSTRUCTION FUNDING	12993			12993	2923	2
EDGECLIFF	C	CONSERVATION, WATER LOSS CONTROL - EDGECLIFF VILLAGE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	12993			12993	2923	3
ELMO WSC	C	CONSERVATION, WATER LOSS CONTROL - ELMO WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	12993			12993	2923	1
ELMO WSC	C	CONSERVATION, WATER LOSS CONTROL - ELMO WSC	C	CONSTRUCTION FUNDING	12993			12993	2923	2
ELMO WSC	C	CONSERVATION, WATER LOSS CONTROL - ELMO WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	12993			12993	2923	3
ENNIS	C	CONSERVATION - WASTE PROHIBITION, ENNIS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	49	N/A		49	1568	1
ENNIS	C	CONSERVATION - WASTE PROHIBITION, ENNIS	C	CONSTRUCTION FUNDING	49	N/A		49	1568	2
ENNIS	C	CONSERVATION - WASTE PROHIBITION, ENNIS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	49	N/A		49	1568	3

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ENNIS	C	CONSERVATION, IRRIGATION RESTRICTION - ENNIS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		49	1582	1
ENNIS	C	CONSERVATION, IRRIGATION RESTRICTION - ENNIS	C	CONSTRUCTION FUNDING	50.00	N/A		49	1582	2
ENNIS	C	CONSERVATION, IRRIGATION RESTRICTION - ENNIS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			49	1582	3
ENNIS	C	CONSERVATION, WATER LOSS CONTROL - ENNIS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		49	1354	1
ENNIS	C	CONSERVATION, WATER LOSS CONTROL - ENNIS	C	CONSTRUCTION FUNDING	5612.128.00	2024		49	1354	2
ENNIS	C	CONSERVATION, WATER LOSS CONTROL - ENNIS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			49	1354	3
ENNIS	C	ENNIS - 16 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	58,000,000.00	2055		49	875	1
ENNIS	C	ENNIS - 16 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING	578,402,000.00	2060		49	875	2
ENNIS	C	ENNIS - 16 MGD WTP EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			49	875	3
ENNIS	C	ENNIS - 6 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	54,000,000.00	2027		49	873	1
ENNIS	C	ENNIS - 6 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING	518,264,000.00	2030		49	873	2
ENNIS	C	ENNIS - 6 MGD WTP EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			49	873	3
ENNIS	C	ENNIS - 8 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	55,000,000.00	2035		49	874	1
ENNIS	C	ENNIS - 8 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING	542,735,000.00	2040		49	874	2
ENNIS	C	ENNIS - 8 MGD WTP EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			49	874	3
ENNIS	C	ENNIS - INDIRECT REUSE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	57,000,000.00	2035		49	1038	1
ENNIS	C	ENNIS - INDIRECT REUSE	C	CONSTRUCTION FUNDING	548,899,000.00	2040		49	1038	2
ENNIS	C	ENNIS - INDIRECT REUSE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			49	1038	3
EULESS	C	CONSERVATION, IRRIGATION RESTRICTION - EULESS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		704	3339	1
EULESS	C	CONSERVATION, IRRIGATION RESTRICTION - EULESS	C	CONSTRUCTION FUNDING	50.00	N/A		704	3339	2
EULESS	C	CONSERVATION, IRRIGATION RESTRICTION - EULESS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			704	3339	3
EULESS	C	CONSERVATION, WATER LOSS CONTROL - EULESS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		704	1355	1
EULESS	C	CONSERVATION, WATER LOSS CONTROL - EULESS	C	CONSTRUCTION FUNDING	50.00	N/A		704	1355	2
EULESS	C	CONSERVATION, WATER LOSS CONTROL - EULESS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			704	1355	3
EUSTACE	C	CONSERVATION, WATER LOSS CONTROL - EUSTACE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				705	1356	1
EUSTACE	C	CONSERVATION, WATER LOSS CONTROL - EUSTACE	C	CONSTRUCTION FUNDING				705	1356	2
EUSTACE	C	CONSERVATION, WATER LOSS CONTROL - EUSTACE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				705	1356	3
EUSTACE	C	EUSTACE - NEW WELL(S) IN CARRIZO-WILCOX AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				705	1076	1
EUSTACE	C	EUSTACE - NEW WELL(S) IN CARRIZO-WILCOX AQUIFER	C	CONSTRUCTION FUNDING				705	1076	2

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EUSTACE	C	EUSTACE - NEW WELLS IN CARRIZO-WILCOX AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				705	1076	3
EVERMAN	C	CONSERVATION, WATER LOSS CONTROL - EVERMAN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		706	1357	1
EVERMAN	C	CONSERVATION, WATER LOSS CONTROL - EVERMAN	C	CONSTRUCTION FUNDING	\$0.00	N/A		706	1357	2
EVERMAN	C	CONSERVATION, WATER LOSS CONTROL - EVERMAN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			706	1357	3
FAIRFIELD	C	CONSERVATION, IRRIGATION RESTRICTION - FAIRFIELD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				708	3341	1
FAIRFIELD	C	CONSERVATION, IRRIGATION RESTRICTION - FAIRFIELD	C	CONSTRUCTION FUNDING				708	3341	2
FAIRFIELD	C	CONSERVATION, IRRIGATION RESTRICTION - FAIRFIELD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				708	3341	3
FAIRFIELD	C	CONSERVATION, WATER LOSS CONTROL - FAIRFIELD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				708	1358	1
FAIRFIELD	C	CONSERVATION, WATER LOSS CONTROL - FAIRFIELD	C	CONSTRUCTION FUNDING				708	1358	2
FAIRFIELD	C	CONSERVATION, WATER LOSS CONTROL - FAIRFIELD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				708	1358	3
FAIRFIELD	C	FAIRFIELD - NEW WTP AND TRANSMISSION SYSTEM FROM TRWD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				708	1062	1
FAIRFIELD	C	FAIRFIELD - NEW WTP AND TRANSMISSION SYSTEM FROM TRWD	C	CONSTRUCTION FUNDING				708	1062	2
FAIRFIELD	C	FAIRFIELD - NEW WTP AND TRANSMISSION SYSTEM FROM TRWD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				708	1062	3
FAIRVIEW	C	CONSERVATION, IRRIGATION RESTRICTION - FAIRVIEW	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				709	3342	1
FAIRVIEW	C	CONSERVATION, IRRIGATION RESTRICTION - FAIRVIEW	C	CONSTRUCTION FUNDING				709	3342	2
FAIRVIEW	C	CONSERVATION, IRRIGATION RESTRICTION - FAIRVIEW	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				709	3342	3
FARMERS BRANCH	C	CONSERVATION, IRRIGATION RESTRICTION - FARMERS BRANCH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				712	1583	1
FARMERS BRANCH	C	CONSERVATION, IRRIGATION RESTRICTION - FARMERS BRANCH	C	CONSTRUCTION FUNDING				712	1583	2
FARMERS BRANCH	C	CONSERVATION, IRRIGATION RESTRICTION - FARMERS BRANCH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				712	1583	3
FARMERS BRANCH	C	CONSERVATION, WATER LOSS CONTROL - FARMERS BRANCH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				712	1360	1
FARMERS BRANCH	C	CONSERVATION, WATER LOSS CONTROL - FARMERS BRANCH	C	CONSTRUCTION FUNDING				712	1360	2
FARMERS BRANCH	C	CONSERVATION, WATER LOSS CONTROL - FARMERS BRANCH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				712	1360	3
FARMERSVILLE	C	CONSERVATION, WATER LOSS CONTROL - FARMERSVILLE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				713	1361	1
FARMERSVILLE	C	CONSERVATION, WATER LOSS CONTROL - FARMERSVILLE	C	CONSTRUCTION FUNDING				713	1361	2
FARMERSVILLE	C	CONSERVATION, WATER LOSS CONTROL - FARMERSVILLE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				713	1361	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
FATE	C	CONSERVATION - WASTE PROHIBITION, FATE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2499	3437	1
FATE	C	CONSERVATION - WASTE PROHIBITION, FATE	C	CONSTRUCTION FUNDING	50.00	N/A		2499	3437	2
FATE	C	CONSERVATION - WASTE PROHIBITION, FATE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2499	3437	3
FATE	C	CONSERVATION, IRRIGATION RESTRICTION - FATE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2499	3343	1
FATE	C	CONSERVATION, IRRIGATION RESTRICTION - FATE	C	CONSTRUCTION FUNDING	50.00	N/A		2499	3343	2
FATE	C	CONSERVATION, IRRIGATION RESTRICTION - FATE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2499	3343	3
FATE	C	CONSERVATION, IRRIGATION RESTRICTION - FATE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00			2499	3343	3
FATE	C	CONSERVATION, WATER LOSS CONTROL - FATE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2499	1112	1
FATE	C	FATE - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTWMD	C	ACQUISITION FUNDING	50.00	N/A		2499	1112	2
FATE	C	FATE - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTWMD	C	CONSTRUCTION FUNDING	50.00	N/A		2499	1112	2
FATE	C	FATE - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTWMD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2499	1112	3
FERRIS	C	CONSERVATION, WATER LOSS CONTROL - FERRIS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				717	1363	1
FERRIS	C	CONSERVATION, WATER LOSS CONTROL - FERRIS	C	CONSTRUCTION FUNDING				717	1363	2
FERRIS	C	CONSERVATION, WATER LOSS CONTROL - FERRIS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				717	1363	3
FERRIS	C	FERRIS - ADDITIONAL DELIVERY INFRASTRUCTURE FROM ROCKETT	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				717	1039	1
FERRIS	C	FERRIS - ADDITIONAL DELIVERY INFRASTRUCTURE FROM ROCKETT	C	CONSTRUCTION FUNDING				717	1039	2
FERRIS	C	FERRIS - ADDITIONAL DELIVERY INFRASTRUCTURE FROM ROCKETT	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				717	1039	3
FLOWER MOUND	C	CONSERVATION, IRRIGATION RESTRICTION - FLOWER MOUND	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				723	3344	1
FLOWER MOUND	C	CONSERVATION, IRRIGATION RESTRICTION - FLOWER MOUND	C	CONSTRUCTION FUNDING				723	3344	2
FLOWER MOUND	C	CONSERVATION, IRRIGATION RESTRICTION - FLOWER MOUND	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				723	3344	3
FLOWER MOUND	C	CONSERVATION, IRRIGATION RESTRICTION - FLOWER MOUND	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				723	3344	3
FLOWER MOUND	C	CONSERVATION, WATER LOSS CONTROL - FLOWER MOUND	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				723	1366	1
FLOWER MOUND	C	CONSERVATION, WATER LOSS CONTROL - FLOWER MOUND	C	CONSTRUCTION FUNDING				723	1366	2
FLOWER MOUND	C	CONSERVATION, WATER LOSS CONTROL - FLOWER MOUND	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				723	1366	3
FLOWER MOUND	C	FLOWER MOUND - ALLIANCE DIRECT REUSE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				723	4100	1
FLOWER MOUND	C	FLOWER MOUND - ALLIANCE DIRECT REUSE	C	CONSTRUCTION FUNDING				723	4100	2
FLOWER MOUND	C	FLOWER MOUND - ALLIANCE DIRECT REUSE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				723	4100	3
FOREST HILL	C	CONSERVATION, WATER LOSS CONTROL - FOREST HILL	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				725	1367	1
FOREST HILL	C	CONSERVATION, WATER LOSS CONTROL - FOREST HILL	C	CONSTRUCTION FUNDING				725	1367	2

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FOREST HILL	C	CONSERVATION, WATER LOSS CONTROL - FOREST HILL	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				725	1367	3
FORNEY	C	CONSERVATION, WATER LOSS CONTROL - FORNEY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				50	1368	1
FORNEY	C	CONSERVATION, WATER LOSS CONTROL - FORNEY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				50	1368	2
FORNEY	C	CONSERVATION, WATER LOSS CONTROL - FORNEY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				50	1368	3
FORNEY	C	FORNEY - INCREASE DELIVERY INFRASTRUCTURE FROM NTWMD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				50	1084	1
FORNEY	C	FORNEY - INCREASE DELIVERY INFRASTRUCTURE FROM NTWMD	C	CONSTRUCTION FUNDING				50	1084	2
FORNEY	C	FORNEY - INCREASE DELIVERY INFRASTRUCTURE FROM NTWMD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				50	1084	3
FORNEY LAKE WSC	C	CONSERVATION - WASTE PROHIBITION, FORNEY LAKE WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				726	3438	1
FORNEY LAKE WSC	C	CONSERVATION - WASTE PROHIBITION, FORNEY LAKE WSC	C	CONSTRUCTION FUNDING				726	3438	2
FORNEY LAKE WSC	C	CONSERVATION - WASTE PROHIBITION, FORNEY LAKE WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				726	3438	3
FORNEY LAKE WSC	C	CONSERVATION, IRRIGATION RESTRICTION - FORNEY LAKE WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				726	3345	1
FORNEY LAKE WSC	C	CONSERVATION, IRRIGATION RESTRICTION - FORNEY LAKE WSC	C	CONSTRUCTION FUNDING				726	3345	2
FORNEY LAKE WSC	C	CONSERVATION, IRRIGATION RESTRICTION - FORNEY LAKE WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				726	3345	3
FORNEY LAKE WSC	C	CONSERVATION, WATER LOSS CONTROL - FORNEY LAKE WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				726	1369	1
FORNEY LAKE WSC	C	CONSERVATION, WATER LOSS CONTROL - FORNEY LAKE WSC	C	CONSTRUCTION FUNDING				726	1369	2
FORNEY LAKE WSC	C	CONSERVATION, WATER LOSS CONTROL - FORNEY LAKE WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				726	1369	3
FORT WORTH	C	CONSERVATION, WATER LOSS CONTROL - FORT WORTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				53	877	1
FORT WORTH	C	CONSERVATION, WATER LOSS CONTROL - FORT WORTH	C	CONSTRUCTION FUNDING				53	877	2
FORT WORTH	C	CONSERVATION, WATER LOSS CONTROL - FORT WORTH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				53	877	3
FORT WORTH	C	FORT WORTH - 23 MGD WTP EXPANSION-WEST PLANT	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				53	880	1
FORT WORTH	C	FORT WORTH - 23 MGD WTP EXPANSION-WEST PLANT	C	CONSTRUCTION FUNDING				53	880	2
FORT WORTH	C	FORT WORTH - 23 MGD WTP EXPANSION-WEST PLANT	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				53	880	3
FORT WORTH	C	FORT WORTH - 30 MGD WTP EXPANSION-EAGLE MOUNTAIN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				53	880	1
FORT WORTH	C	FORT WORTH - 30 MGD WTP EXPANSION-EAGLE MOUNTAIN	C	CONSTRUCTION FUNDING				53	880	2
FORT WORTH	C	FORT WORTH - 30 MGD WTP EXPANSION-EAGLE MOUNTAIN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				53	880	3
FORT WORTH	C	FORT WORTH - 35 MGD WTP EXPANSION-EAGLE MOUNTAIN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				53	876	1
FORT WORTH	C	FORT WORTH - 35 MGD WTP EXPANSION-EAGLE MOUNTAIN	C	CONSTRUCTION FUNDING				53	876	2
FORT WORTH	C	FORT WORTH - 35 MGD WTP EXPANSION-EAGLE MOUNTAIN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				53	876	3

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FORT WORTH	C	FORT WORTH - 35 MGD WTP EXPANSION-WEST PLANT	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				53	879	1
FORT WORTH	C	FORT WORTH - 35 MGD WTP EXPANSION-WEST PLANT	C	CONSTRUCTION FUNDING				53	879	2
FORT WORTH	C	FORT WORTH - 35 MGD WTP EXPANSION-WEST PLANT	C	PERCENT STATE				53	879	3
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 1	C	PARTICIPATION IN OWNING EXCESS CAPACITY				53	903	1
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 1	C	CONSTRUCTION FUNDING				53	903	2
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 1	C	PERCENT STATE				53	903	3
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 2	C	PARTICIPATION IN OWNING EXCESS CAPACITY				53	906	1
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 2	C	CONSTRUCTION FUNDING				53	906	2
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 2	C	PERCENT STATE				53	906	3
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 3	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				53	907	1
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 3	C	CONSTRUCTION FUNDING				53	907	2
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 3	C	PERCENT STATE				53	907	3
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 4	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				53	908	1
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 4	C	CONSTRUCTION FUNDING				53	908	2
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 4	C	PERCENT STATE				53	908	3
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 5	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				53	4023	1
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 5	C	CONSTRUCTION FUNDING				53	4023	2
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 5	C	PERCENT STATE				53	4023	3
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 6	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				53	4023	1
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 6	C	CONSTRUCTION FUNDING				53	4023	2
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-GENERAL 6	C	PERCENT STATE				53	4023	3
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-ROLLING HILLS	C	PARTICIPATION IN OWNING EXCESS CAPACITY				53	878	1
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-ROLLING HILLS	C	CONSTRUCTION FUNDING				53	878	2
FORT WORTH	C	FORT WORTH - 50 MGD WTP EXPANSION-ROLLING HILLS	C	PERCENT STATE				53	878	3
FORT WORTH	C	FORT WORTH DIRECT REUSE - ALLIANCE CORRIDOR	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				53	998	1
FORT WORTH	C	FORT WORTH DIRECT REUSE - ALLIANCE CORRIDOR	C	CONSTRUCTION FUNDING				53	998	2
FORT WORTH	C	FORT WORTH DIRECT REUSE - ALLIANCE CORRIDOR	C	PERCENT STATE				53	998	3
FORT WORTH	C	FORT WORTH MARY'S CREEK WRF FUTURE DIRECT REUSE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				53	4075	1
FORT WORTH	C	FORT WORTH MARY'S CREEK WRF FUTURE DIRECT REUSE	C	CONSTRUCTION FUNDING				53	4075	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRptWpid	WMSProjectId	IFRProjectElementsId
FORT WORTH	C	FORT WORTH MARY'S CREEK WRF FUTURE DIRECT REUSE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				53	4075	3
FORT WORTH	C	FORT WORTH VILLAGE CREEK WRF FUTURE DIRECT REUSE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				53	997	1
FORT WORTH	C	FORT WORTH VILLAGE CREEK WRF FUTURE DIRECT REUSE	C	CONSTRUCTION FUNDING				53	997	2
FORT WORTH	C	FORT WORTH VILLAGE CREEK WRF FUTURE DIRECT REUSE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				53	997	3
FRISCO	C	CONSERVATION, WATER LOSS CONTROL - FRISCO	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				743	1371	1
FRISCO	C	CONSERVATION, WATER LOSS CONTROL - FRISCO	C	CONSTRUCTION FUNDING				743	1371	2
FRISCO	C	CONSERVATION, WATER LOSS CONTROL - FRISCO	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				743	1371	3
FRISCO	C	FRISCO - DIRECT REUSE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				743	1004	1
FRISCO	C	FRISCO - DIRECT REUSE	C	CONSTRUCTION FUNDING				743	1004	2
FRISCO	C	FRISCO - DIRECT REUSE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				743	1004	3
FROGNOT WSC	C	CONSERVATION, WATER LOSS CONTROL - FROGNOT WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$2,218.00	2021		13030	2925	1
FROGNOT WSC	C	CONSERVATION, WATER LOSS CONTROL - FROGNOT WSC	C	CONSTRUCTION FUNDING	\$6,000.00	2021		13030	2925	2
FROGNOT WSC	C	CONSERVATION, WATER LOSS CONTROL - FROGNOT WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			13030	2925	3
GAINESVILLE	C	CONSERVATION, WATER LOSS CONTROL - GAINESVILLE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		55	1373	1
GAINESVILLE	C	CONSERVATION, WATER LOSS CONTROL - GAINESVILLE	C	CONSTRUCTION FUNDING	\$0.00	N/A		55	1373	2
GAINESVILLE	C	CONSERVATION, WATER LOSS CONTROL - GAINESVILLE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			55	1373	3
GAINESVILLE	C	CONSERVATION, WATER LOSS CONTROL - GAINESVILLE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00			55	1373	1
GAINESVILLE	C	CONSERVATION, WATER LOSS CONTROL - GAINESVILLE	C	CONSTRUCTION FUNDING	\$0.00			55	1373	2
GAINESVILLE	C	CONSERVATION, WATER LOSS CONTROL - GAINESVILLE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			55	1373	3
GAINESVILLE	C	GAINESVILLE - 5 MGD WTP EXPANSION 1	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		55	910	1
GAINESVILLE	C	GAINESVILLE - 5 MGD WTP EXPANSION 1	C	CONSTRUCTION FUNDING	\$0.00	N/A		55	910	2
GAINESVILLE	C	GAINESVILLE - 5 MGD WTP EXPANSION 1	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			55	910	3
GAINESVILLE	C	GAINESVILLE - 5 MGD WTP EXPANSION 2	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		55	911	1
GAINESVILLE	C	GAINESVILLE - 5 MGD WTP EXPANSION 2	C	CONSTRUCTION FUNDING	\$0.00	N/A		55	911	2
GAINESVILLE	C	GAINESVILLE - 5 MGD WTP EXPANSION 2	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			55	911	3
GAINESVILLE	C	GAINESVILLE - EXPAND DIRECT REUSE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		55	1011	1
GAINESVILLE	C	GAINESVILLE - EXPAND DIRECT REUSE	C	CONSTRUCTION FUNDING	\$0.00	N/A		55	1011	2
GAINESVILLE	C	GAINESVILLE - EXPAND DIRECT REUSE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			55	1011	3
GAINESVILLE	C	GAINESVILLE - INFRASTRUCTURE TO DELIVER TO CUSTOMERS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		55	1012	1
GAINESVILLE	C	GAINESVILLE - INFRASTRUCTURE TO DELIVER TO CUSTOMERS	C	CONSTRUCTION FUNDING	\$0.00	N/A		55	1012	2
GAINESVILLE	C	GAINESVILLE - INFRASTRUCTURE TO DELIVER TO CUSTOMERS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			55	1012	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
GARLAND	C	CONSERVATION, WATER LOSS CONTROL - GARLAND	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				58	1374	1
GARLAND	C	CONSERVATION, WATER LOSS CONTROL - GARLAND	C	CONSTRUCTION FUNDING				58	1374	2
GARLAND	C	CONSERVATION, WATER LOSS CONTROL - GARLAND	C	PERCENT STATE				58	1374	3
GASTONIA SCURRY SUD	C	CONSERVATION, WATER LOSS CONTROL - GASTONIA-SCURRY SUD	C	PARTICIPATION IN OWNING EXCESS CAPACITY				752	1376	1
GASTONIA SCURRY SUD	C	CONSERVATION, WATER LOSS CONTROL - GASTONIA-SCURRY SUD	C	CONSTRUCTION FUNDING				752	1376	2
GASTONIA SCURRY SUD	C	CONSERVATION, WATER LOSS CONTROL - GASTONIA-SCURRY SUD	C	PERCENT STATE				752	1376	3
GLENN HEIGHTS	C	CONSERVATION, WATER LOSS CONTROL - GLENN HEIGHTS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				762	1377	1
GLENN HEIGHTS	C	CONSERVATION, WATER LOSS CONTROL - GLENN HEIGHTS	C	CONSTRUCTION FUNDING				762	1377	2
GLENN HEIGHTS	C	CONSERVATION, WATER LOSS CONTROL - GLENN HEIGHTS	C	PERCENT STATE				762	1377	3
GLENN HEIGHTS	C	GLENN HEIGHTS ADDITIONAL DELIVERY INFRASTRUCTURE FROM DW	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				762	1016	1
GLENN HEIGHTS	C	GLENN HEIGHTS ADDITIONAL DELIVERY INFRASTRUCTURE FROM DW	C	CONSTRUCTION FUNDING				762	1016	2
GLENN HEIGHTS	C	GLENN HEIGHTS ADDITIONAL DELIVERY INFRASTRUCTURE FROM DW	C	PERCENT STATE				762	1016	3
GRAND PRAIRIE	C	CONSERVATION, WATER LOSS CONTROL - GRAND PRAIRIE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		772	1378	1
GRAND PRAIRIE	C	CONSERVATION, WATER LOSS CONTROL - GRAND PRAIRIE	C	CONSTRUCTION FUNDING	50.00	N/A		772	1378	2
GRAND PRAIRIE	C	CONSERVATION, WATER LOSS CONTROL - GRAND PRAIRIE	C	PERCENT STATE				772	1378	3
GRAND PRAIRIE	C	GRAND PRAIRIE - ADDITIONAL DELIVERY INFRASTRUCTURE FROM DW	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	58,000,000.00	2033		772	1018	1
GRAND PRAIRIE	C	GRAND PRAIRIE - ADDITIONAL DELIVERY INFRASTRUCTURE FROM DW	C	CONSTRUCTION FUNDING	530,000,000.00	2033		772	1018	2
GRAND PRAIRIE	C	GRAND PRAIRIE - ADDITIONAL DELIVERY INFRASTRUCTURE FROM DW	C	PERCENT STATE				772	1018	3
GRAND PRAIRIE	C	GRAND PRAIRIE - CONNECT TO ARLINGTON	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$1,700,000.00	2028		772	1017	1
GRAND PRAIRIE	C	GRAND PRAIRIE - CONNECT TO ARLINGTON	C	CONSTRUCTION FUNDING	\$3,979,000.00	2030		772	1017	2
GRAND PRAIRIE	C	GRAND PRAIRIE - CONNECT TO ARLINGTON	C	PERCENT STATE				772	1017	3
GRAPEVINE	C	CONSERVATION, WATER LOSS CONTROL - GRAPEVINE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00			778	1379	1
GRAPEVINE	C	CONSERVATION, WATER LOSS CONTROL - GRAPEVINE	C	CONSTRUCTION FUNDING				778	1379	2
GRAPEVINE	C	CONSERVATION, WATER LOSS CONTROL - GRAPEVINE	C	PERCENT STATE				778	1379	3
GRAPEVINE	C	CONSERVATION, WATER LOSS CONTROL - GRAPEVINE	C	PARTICIPATION IN OWNING EXCESS CAPACITY				778	1379	1
GRAPEVINE	C	CONSERVATION, WATER LOSS CONTROL - GRAPEVINE	C	CONSTRUCTION FUNDING				778	1379	2
GRAPEVINE	C	CONSERVATION, WATER LOSS CONTROL - GRAPEVINE	C	PERCENT STATE				778	1379	3
GREATER TEXOMA UTILITY A/C	A/C	GTUA - CONNECTION FROM SHERMAN TO CGMA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$1,400,000.00	2023		60	3851	1
GREATER TEXOMA UTILITY A/C	A/C	GTUA - CONNECTION FROM SHERMAN TO CGMA	C	CONSTRUCTION FUNDING	\$3,989,000.00	2023		60	3851	2
GREATER TEXOMA UTILITY A/C	A/C	GTUA - CONNECTION FROM SHERMAN TO CGMA	C	PERCENT STATE				60	3851	3
GREATER TEXOMA UTILITY A/C	A/C	GTUA - CONNECTION FROM SHERMAN TO CGMA	C	PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			60	3851	1
GREATER TEXOMA UTILITY A/C	A/C	GTUA - CONNECTION FROM SHERMAN TO CGMA	C	CONSTRUCTION FUNDING				60	3851	2
GREATER TEXOMA UTILITY A/C	A/C	GTUA - CONNECTION FROM SHERMAN TO CGMA	C	PERCENT STATE				60	3851	3
GREATER TEXOMA UTILITY A/C	A/C	GTUA - PARALLEL COLLIN-GRAYSON MUNICIPAL ALLIANCE PIPELINE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$1,400,000.00	2030		60	996	1
GREATER TEXOMA UTILITY A/C	A/C	GTUA - PARALLEL COLLIN-GRAYSON MUNICIPAL ALLIANCE PIPELINE	C	CONSTRUCTION FUNDING	\$89,989,000.00	2030		60	996	2
GREATER TEXOMA UTILITY A/C	A/C	GTUA - PARALLEL COLLIN-GRAYSON MUNICIPAL ALLIANCE PIPELINE	C	PERCENT STATE				60	996	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
GREATER TEXOMA UTILITY A/C		GTUA - REGIONAL WATER SYSTEM PHASE I	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	584,000,000.00	N/A		60	3849	1
GREATER TEXOMA UTILITY A/C		GTUA - REGIONAL WATER SYSTEM PHASE I	C	CONSTRUCTION FUNDING	57,000,000.00	N/A		60	3849	2
GREATER TEXOMA UTILITY A/C		GTUA - REGIONAL WATER SYSTEM PHASE I	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			60	3849	3
GREATER TEXOMA UTILITY A/C		GTUA - REGIONAL WATER SYSTEM PHASE II	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		60	3850	1
GREATER TEXOMA UTILITY A/C		GTUA - REGIONAL WATER SYSTEM PHASE II	C	CONSTRUCTION FUNDING	50.00	N/A		60	3850	2
GREATER TEXOMA UTILITY A/C		GTUA - REGIONAL WATER SYSTEM PHASE II	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			60	3850	3
GUNTER	C	CONSERVATION, IRRIGATION RESTRICTION - GUNTER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				789	3351	1
GUNTER	C	CONSERVATION, IRRIGATION RESTRICTION - GUNTER	C	CONSTRUCTION FUNDING				789	3351	2
GUNTER	C	CONSERVATION, IRRIGATION RESTRICTION - GUNTER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				789	3351	3
GUNTER	C	CONSERVATION, WATER LOSS CONTROL - GUNTER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				789	1381	1
GUNTER	C	CONSERVATION, WATER LOSS CONTROL - GUNTER	C	CONSTRUCTION FUNDING				789	1381	2
GUNTER	C	CONSERVATION, WATER LOSS CONTROL - GUNTER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				789	1381	3
GUNTER	C	GUNTER - NEW WELL(S) IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				789	1069	1
GUNTER	C	GUNTER - NEW WELL(S) IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING				789	1069	2
GUNTER	C	GUNTER - NEW WELL(S) IN TRINITY AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				789	1069	3
HACKBERRY	C	CONSERVATION - WASTE PROHIBITION, HACKBERRY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				791	3439	1
HACKBERRY	C	CONSERVATION - WASTE PROHIBITION, HACKBERRY	C	CONSTRUCTION FUNDING				791	3439	2
HACKBERRY	C	CONSERVATION - WASTE PROHIBITION, HACKBERRY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				791	3439	3
HACKBERRY	C	CONSERVATION, IRRIGATION RESTRICTION - HACKBERRY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				791	3352	1
HACKBERRY	C	CONSERVATION, IRRIGATION RESTRICTION - HACKBERRY	C	CONSTRUCTION FUNDING				791	3352	2
HACKBERRY	C	CONSERVATION, IRRIGATION RESTRICTION - HACKBERRY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				791	3352	3
HACKBERRY	C	CONSERVATION, WATER LOSS CONTROL - HACKBERRY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				791	1382	1
HACKBERRY	C	CONSERVATION, WATER LOSS CONTROL - HACKBERRY	C	CONSTRUCTION FUNDING				791	1382	2
HACKBERRY	C	CONSERVATION, WATER LOSS CONTROL - HACKBERRY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				791	1382	3
HACKBERRY	C	HACKBERRY - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTMWC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				791	1033	1
HACKBERRY	C	HACKBERRY - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTMWC	C	CONSTRUCTION FUNDING				791	1033	2
HACKBERRY	C	HACKBERRY - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTMWC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				791	1033	3
HALTOM CITY	C	CONSERVATION, WATER LOSS CONTROL - HALTOM CITY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				796	1383	1
HALTOM CITY	C	CONSERVATION, WATER LOSS CONTROL - HALTOM CITY	C	CONSTRUCTION FUNDING				796	1383	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
HALTOM CITY	C	CONSERVATION, WATER LOSS CONTROL - HALTOM CITY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				796	1383	3
HASLET	C	CONSERVATION - WASTE PROHIBITION, HASLET	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				824	1571	1
HASLET	C	CONSERVATION - WASTE PROHIBITION, HASLET	C	CONSTRUCTION FUNDING				824	1571	2
HASLET	C	CONSERVATION - WASTE PROHIBITION, HASLET	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				824	1571	3
HASLET	C	CONSERVATION, IRRIGATION RESTRICTION - HASLET	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				824	3354	1
HASLET	C	CONSERVATION, IRRIGATION RESTRICTION - HASLET	C	CONSTRUCTION FUNDING				824	3354	2
HASLET	C	CONSERVATION, IRRIGATION RESTRICTION - HASLET	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				824	3354	3
HASLET	C	CONSERVATION, WATER LOSS CONTROL - HASLET	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				824	1384	1
HASLET	C	CONSERVATION, WATER LOSS CONTROL - HASLET	C	CONSTRUCTION FUNDING				824	1384	2
HASLET	C	CONSERVATION, WATER LOSS CONTROL - HASLET	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				824	1384	3
HEATH	C	CONSERVATION, IRRIGATION RESTRICTION - HEATH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		829	1584	1
HEATH	C	CONSERVATION, IRRIGATION RESTRICTION - HEATH	C	CONSTRUCTION FUNDING	50.00	N/A		829	1584	2
HEATH	C	CONSERVATION, IRRIGATION RESTRICTION - HEATH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			829	1584	3
HEATH	C	CONSERVATION, WATER LOSS CONTROL - HEATH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		829	1885	1
HEATH	C	CONSERVATION, WATER LOSS CONTROL - HEATH	C	CONSTRUCTION FUNDING	50.00	N/A		829	1385	2
HEATH	C	CONSERVATION, WATER LOSS CONTROL - HEATH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			829	1385	3
HIGH POINT WSC	C	CONSERVATION, WATER LOSS CONTROL - HIGH POINT WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				845	1388	1
HIGH POINT WSC	C	CONSERVATION, WATER LOSS CONTROL - HIGH POINT WSC	C	CONSTRUCTION FUNDING				845	1388	2
HIGH POINT WSC	C	CONSERVATION, WATER LOSS CONTROL - HIGH POINT WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				845	1388	3
HIGHLAND PARK	C	CONSERVATION, WATER LOSS CONTROL - HIGHLAND PARK	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		846	1389	1
HIGHLAND PARK	C	CONSERVATION, WATER LOSS CONTROL - HIGHLAND PARK	C	CONSTRUCTION FUNDING	50.00	N/A		846	1389	2
HIGHLAND PARK	C	CONSERVATION, WATER LOSS CONTROL - HIGHLAND PARK	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			846	1389	3
HIGHLAND VILLAGE	C	CONSERVATION, IRRIGATION RESTRICTION - HIGHLAND VILLAGE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		847	3356	1
HIGHLAND VILLAGE	C	CONSERVATION, IRRIGATION RESTRICTION - HIGHLAND VILLAGE	C	CONSTRUCTION FUNDING	50.00	N/A		847	3356	2
HIGHLAND VILLAGE	C	CONSERVATION, IRRIGATION RESTRICTION - HIGHLAND VILLAGE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			847	3356	3
HIGHLAND VILLAGE	C	CONSERVATION, WATER LOSS CONTROL - HIGHLAND VILLAGE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		847	1390	1
HIGHLAND VILLAGE	C	CONSERVATION, WATER LOSS CONTROL - HIGHLAND VILLAGE	C	CONSTRUCTION FUNDING	50.00	N/A		847	1390	2
HIGHLAND VILLAGE	C	CONSERVATION, WATER LOSS CONTROL - HIGHLAND VILLAGE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			847	1390	3

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HONEY GROVE	C	CONSERVATION, WATER LOSS CONTROL - HONEY GROVE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				858	1391	1
HONEY GROVE	C	CONSERVATION, WATER LOSS CONTROL - HONEY GROVE	C	CONSTRUCTION FUNDING				858	1391	2
HONEY GROVE	C	CONSERVATION, WATER LOSS CONTROL - HONEY GROVE	C	PERCENT STATE				858	1391	3
HORSESHOE BEND WATER SYC	C	CONSERVATION, WATER LOSS CONTROL - HORSESHOE BEND WATER	C	PARTICIPATION IN OWNING EXCESS CAPACITY				13080	2927	1
HORSESHOE BEND WATER SYC	C	CONSERVATION, WATER LOSS CONTROL - HORSESHOE BEND WATER	C	CONSTRUCTION FUNDING				13080	2927	2
HORSESHOE BEND WATER SYC	C	CONSERVATION, WATER LOSS CONTROL - HORSESHOE BEND WATER	C	PERCENT STATE				13080	2927	3
HOWE	C	CONSERVATION, WATER LOSS CONTROL - HOWE	C	PARTICIPATION IN OWNING EXCESS CAPACITY				860	1392	1
HOWE	C	CONSERVATION, WATER LOSS CONTROL - HOWE	C	CONSTRUCTION FUNDING				860	1392	2
HOWE	C	CONSERVATION, WATER LOSS CONTROL - HOWE	C	PERCENT STATE				860	1392	3
HUDSON OAKS	C	CONSERVATION - WASTE PROHIBITION, HUDSON OAKS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		863	1572	1
HUDSON OAKS	C	CONSERVATION - WASTE PROHIBITION, HUDSON OAKS	C	CONSTRUCTION FUNDING	50.00	N/A		863	1572	2
HUDSON OAKS	C	CONSERVATION - WASTE PROHIBITION, HUDSON OAKS	C	PERCENT STATE	50.00			863	1572	3
HUDSON OAKS	C	CONSERVATION, IRRIGATION RESTRICTION - HUDSON OAKS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		863	3357	1
HUDSON OAKS	C	CONSERVATION, IRRIGATION RESTRICTION - HUDSON OAKS	C	CONSTRUCTION FUNDING	50.00	N/A		863	3357	2
HUDSON OAKS	C	CONSERVATION, IRRIGATION RESTRICTION - HUDSON OAKS	C	PERCENT STATE	50.00			863	3357	3
HUDSON OAKS	C	CONSERVATION, WATER LOSS CONTROL - HUDSON OAKS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		863	1393	1
HUDSON OAKS	C	CONSERVATION, WATER LOSS CONTROL - HUDSON OAKS	C	CONSTRUCTION FUNDING	50.00	N/A		863	1393	2
HUDSON OAKS	C	CONSERVATION, WATER LOSS CONTROL - HUDSON OAKS	C	PERCENT STATE	50.00			863	1393	3
HUDSON OAKS	C	HUDSON OAKS - DIRECT CONNECTION TO FORT WORTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		863	4079	1
HUDSON OAKS	C	HUDSON OAKS - DIRECT CONNECTION TO FORT WORTH	C	CONSTRUCTION FUNDING	50.00	N/A		863	4079	2
HUDSON OAKS	C	HUDSON OAKS - DIRECT CONNECTION TO FORT WORTH	C	PERCENT STATE	50.00			863	4079	3
HURST	C	CONSERVATION, WATER LOSS CONTROL - HURST	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		869	1394	1
HURST	C	CONSERVATION, WATER LOSS CONTROL - HURST	C	CONSTRUCTION FUNDING	50.00	N/A		869	1394	2
HURST	C	CONSERVATION, WATER LOSS CONTROL - HURST	C	PERCENT STATE	50.00			869	1394	3
HUTCHINS	C	CONSERVATION - WASTE PROHIBITION, HUTCHINS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				870	3440	1
HUTCHINS	C	CONSERVATION - WASTE PROHIBITION, HUTCHINS	C	CONSTRUCTION FUNDING				870	3440	2
HUTCHINS	C	CONSERVATION - WASTE PROHIBITION, HUTCHINS	C	PERCENT STATE				870	3440	3
HUTCHINS	C	CONSERVATION, IRRIGATION RESTRICTION - HUTCHINS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				870	3359	1
HUTCHINS	C	CONSERVATION, IRRIGATION RESTRICTION - HUTCHINS	C	CONSTRUCTION FUNDING				870	3359	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
HUTCHINS	C	CONSERVATION, IRRIGATION RESTRICTION - HUTCHINS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				870	3359	3
HUTCHINS	C	CONSERVATION, WATER LOSS CONTROL - HUTCHINS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				870	1395	1
HUTCHINS	C	CONSERVATION, WATER LOSS CONTROL - HUTCHINS	C	CONSTRUCTION FUNDING				870	1395	2
HUTCHINS	C	CONSERVATION, WATER LOSS CONTROL - HUTCHINS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				870	1395	3
IRRIGATION, FANNIN	C	IRRIGATION, FANNIN - NEW WELLS IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				950	3823	1
IRRIGATION, FANNIN	C	IRRIGATION, FANNIN - NEW WELLS IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING				950	3823	2
IRRIGATION, FANNIN	C	IRRIGATION, FANNIN - NEW WELLS IN TRINITY AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				950	3823	3
IRVING	C	CONSERVATION, WATER LOSS CONTROL - IRVING	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		1119	1396	1
IRVING	C	CONSERVATION, WATER LOSS CONTROL - IRVING	C	CONSTRUCTION FUNDING	\$0.00	N/A		1119	1396	2
IRVING	C	CONSERVATION, WATER LOSS CONTROL - IRVING	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			1119	1396	3
IRVING	C	IRVING - TRA CENTRAL REUSE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$5,000,000.00	2024		1119	1020	1
IRVING	C	IRVING - TRA CENTRAL REUSE	C	CONSTRUCTION FUNDING	\$41,730,000.00	2025		1119	1020	2
IRVING	C	IRVING - TRA CENTRAL REUSE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			1119	1020	3
IRVING	C	NTMWD & IRVING - LAKE CHAPMAN PUMP STATION EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$2,500,000.00	2025		1119	956	1
IRVING	C	NTMWD & IRVING - LAKE CHAPMAN PUMP STATION EXPANSION	C	CONSTRUCTION FUNDING	\$19,159,000.00	2026		1119	956	2
IRVING	C	NTMWD & IRVING - LAKE CHAPMAN PUMP STATION EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			1119	956	3
ITALY	C	CONSERVATION, WATER LOSS CONTROL - ITALY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1120	1397	1
ITALY	C	CONSERVATION, WATER LOSS CONTROL - ITALY	C	CONSTRUCTION FUNDING				1120	1397	2
ITALY	C	CONSERVATION, WATER LOSS CONTROL - ITALY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1120	1397	3
JACKSBORO	C	CONSERVATION, WATER LOSS CONTROL - JACKSBORO	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$100,000.00	2021		1123	1398	1
JACKSBORO	C	CONSERVATION, WATER LOSS CONTROL - JACKSBORO	C	CONSTRUCTION FUNDING	\$12,000,000.00	2022		1123	1398	2
JACKSBORO	C	CONSERVATION, WATER LOSS CONTROL - JACKSBORO	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			1123	1398	3
JOSEPHINE	C	CONSERVATION, IRRIGATION RESTRICTION - JOSEPHINE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		1140	3361	1
JOSEPHINE	C	CONSERVATION, IRRIGATION RESTRICTION - JOSEPHINE	C	CONSTRUCTION FUNDING	\$0.00	N/A		1140	3361	2
JOSEPHINE	C	CONSERVATION, IRRIGATION RESTRICTION - JOSEPHINE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			1140	3361	3
JOSEPHINE	C	CONSERVATION, WATER LOSS CONTROL - JOSEPHINE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		1140	1400	1
JOSEPHINE	C	CONSERVATION, WATER LOSS CONTROL - JOSEPHINE	C	CONSTRUCTION FUNDING	\$0.00	N/A		1140	1400	2
JOSEPHINE	C	CONSERVATION, WATER LOSS CONTROL - JOSEPHINE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			1140	1400	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IRElementName	IRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
JUSTIN	C	CONSERVATION, WATER LOSS CONTROL - JUSTIN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1144	1401	1
JUSTIN	C	CONSERVATION, WATER LOSS CONTROL - JUSTIN	C	CONSTRUCTION FUNDING				1144	1401	2
JUSTIN	C	CONSERVATION, WATER LOSS CONTROL - JUSTIN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1144	1401	3
JUSTIN	C	JUSTIN - NEW WELLS IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1144	1034	1
JUSTIN	C	JUSTIN - NEW WELLS IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING				1144	1034	2
JUSTIN	C	JUSTIN - NEW WELLS IN TRINITY AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1144	1034	3
KAUFMAN	C	CONSERVATION, IRRIGATION RESTRICTION - KAUFMAN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$500.00	2022		1147	3362	1
KAUFMAN	C	CONSERVATION, IRRIGATION RESTRICTION - KAUFMAN	C	CONSTRUCTION FUNDING	\$8,076.00	2023		1147	3362	2
KAUFMAN	C	CONSERVATION, IRRIGATION RESTRICTION - KAUFMAN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			1147	3362	3
KAUFMAN	C	CONSERVATION, WATER LOSS CONTROL - KAUFMAN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$9,900.00	2022		1147	1402	1
KAUFMAN	C	CONSERVATION, WATER LOSS CONTROL - KAUFMAN	C	CONSTRUCTION FUNDING	\$61,062.00	2023		1147	1402	2
KAUFMAN	C	CONSERVATION, WATER LOSS CONTROL - KAUFMAN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			1147	1402	3
KAUFMAN COUNTY DEVELOP	C	CONSERVATION, IRRIGATION RESTRICTION - KAUFMAN COUNTY DEV	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				13086	3363	1
KAUFMAN COUNTY DEVELOP	C	CONSERVATION, IRRIGATION RESTRICTION - KAUFMAN COUNTY DEV	C	CONSTRUCTION FUNDING				13086	3363	2
KAUFMAN COUNTY DEVELOP	C	CONSERVATION, IRRIGATION RESTRICTION - KAUFMAN COUNTY DEV	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				13086	3363	3
KAUFMAN COUNTY DEVELOP	C	CONSERVATION, WATER LOSS CONTROL - KAUFMAN COUNTY DEVELOP	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				13086	2916	1
KAUFMAN COUNTY DEVELOP	C	CONSERVATION, WATER LOSS CONTROL - KAUFMAN COUNTY DEVELOP	C	CONSTRUCTION FUNDING				13086	2916	2
KAUFMAN COUNTY DEVELOP	C	CONSERVATION, WATER LOSS CONTROL - KAUFMAN COUNTY DEVELOP	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				13086	2916	3
KAUFMAN COUNTY MUD 11	C	CONSERVATION, IRRIGATION RESTRICTION - KAUFMAN COUNTY MUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				13087	3364	1
KAUFMAN COUNTY MUD 11	C	CONSERVATION, IRRIGATION RESTRICTION - KAUFMAN COUNTY MUD	C	CONSTRUCTION FUNDING				13087	3364	2
KAUFMAN COUNTY MUD 11	C	CONSERVATION, IRRIGATION RESTRICTION - KAUFMAN COUNTY MUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				13087	3364	3
KAUFMAN COUNTY MUD 11	C	CONSERVATION, WATER LOSS CONTROL - KAUFMAN COUNTY MUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				13087	1309	1
KAUFMAN COUNTY MUD 11	C	CONSERVATION, WATER LOSS CONTROL - KAUFMAN COUNTY MUD	C	CONSTRUCTION FUNDING				13087	1309	2
KAUFMAN COUNTY MUD 11	C	CONSERVATION, WATER LOSS CONTROL - KAUFMAN COUNTY MUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				13087	1309	3
KELLER	C	CONSERVATION, WATER LOSS CONTROL - KELLER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		1149	1403	1
KELLER	C	CONSERVATION, WATER LOSS CONTROL - KELLER	C	CONSTRUCTION FUNDING	\$0.00	N/A		1149	1403	2
KELLER	C	CONSERVATION, WATER LOSS CONTROL - KELLER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			1149	1403	3
KELLER	C	KELLER - ADDITIONAL DELIVERY INFRASTRUCTURE FROM FORT WORTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		1149	1119	1
KELLER	C	KELLER - ADDITIONAL DELIVERY INFRASTRUCTURE FROM FORT WORTH	C	CONSTRUCTION FUNDING	\$0.00	N/A		1149	1119	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
KELLER	C	KELLER - ADDITIONAL DELIVERY INFRASTRUCTURE FROM FORT WORC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			1149	1119	3
KEMP	C	CONSERVATION, IRRIGATION RESTRICTION - KEMP	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING		2021		1151	3366	1
KEMP	C	CONSERVATION, IRRIGATION RESTRICTION - KEMP	C	CONSTRUCTION FUNDING	50.00	2021		1151	3366	2
KEMP	C	CONSERVATION, IRRIGATION RESTRICTION - KEMP	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			1151	3366	3
KEMP	C	CONSERVATION, WATER LOSS CONTROL - KEMP	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	2021		1151	1404	1
KEMP	C	CONSERVATION, WATER LOSS CONTROL - KEMP	C	CONSTRUCTION FUNDING	50.00	2021		1151	1404	2
KEMP	C	CONSERVATION, WATER LOSS CONTROL - KEMP	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			1151	1404	3
KENNEDALE	C	CONSERVATION - WASTE PROHIBITION, KENNEDALE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1156	3441	1
KENNEDALE	C	CONSERVATION - WASTE PROHIBITION, KENNEDALE	C	CONSTRUCTION FUNDING				1156	3441	2
KENNEDALE	C	CONSERVATION - WASTE PROHIBITION, KENNEDALE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1156	3441	3
KENNEDALE	C	CONSERVATION, IRRIGATION RESTRICTION - KENNEDALE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1156	3367	1
KENNEDALE	C	CONSERVATION, IRRIGATION RESTRICTION - KENNEDALE	C	CONSTRUCTION FUNDING				1156	3367	2
KENNEDALE	C	CONSERVATION, IRRIGATION RESTRICTION - KENNEDALE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1156	3367	3
KENNEDALE	C	CONSERVATION, WATER LOSS CONTROL - KENNEDALE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1156	1405	1
KENNEDALE	C	CONSERVATION, WATER LOSS CONTROL - KENNEDALE	C	CONSTRUCTION FUNDING				1156	1405	2
KENNEDALE	C	CONSERVATION, WATER LOSS CONTROL - KENNEDALE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1156	1405	3
KENNEDALE	C	KENNEDALE - ADDITIONAL DELIVERY INFRASTRUCTURE FROM FORT C	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1156	1121	1
KENNEDALE	C	KENNEDALE - ADDITIONAL DELIVERY INFRASTRUCTURE FROM FORT C	C	CONSTRUCTION FUNDING				1156	1121	2
KENNEDALE	C	KENNEDALE - ADDITIONAL DELIVERY INFRASTRUCTURE FROM FORT C	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1156	1121	3
KENNEDALE	C	KENNEDALE - CONNECT TO ARLINGTON	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1156	1121	1
KENNEDALE	C	KENNEDALE - CONNECT TO ARLINGTON	C	CONSTRUCTION FUNDING				1156	1121	2
KENNEDALE	C	KENNEDALE - CONNECT TO ARLINGTON	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1156	1121	3
KENTUCKYTOWN WSC	C	CONSERVATION, WATER LOSS CONTROL - KENTUCKY TOWN WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2830	1406	1
KENTUCKYTOWN WSC	C	CONSERVATION, WATER LOSS CONTROL - KENTUCKY TOWN WSC	C	CONSTRUCTION FUNDING				2830	1406	2
KENTUCKYTOWN WSC	C	CONSERVATION, WATER LOSS CONTROL - KENTUCKY TOWN WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2830	1406	3
KERENS	C	CONSERVATION, WATER LOSS CONTROL - KERENS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		1157	1407	1
KERENS	C	CONSERVATION, WATER LOSS CONTROL - KERENS	C	CONSTRUCTION FUNDING	50.00	N/A		1157	1407	2
KERENS	C	CONSERVATION, WATER LOSS CONTROL - KERENS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			1157	1407	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityUpdId	WMSProjectId	IFRProjectElementsId
KRUM	C	CONSERVATION, IRRIGATION RESTRICTION - KRUM	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1170	3368	1
KRUM	C	CONSERVATION, IRRIGATION RESTRICTION - KRUM	C	CONSTRUCTION FUNDING				1170	3368	2
KRUM	C	CONSERVATION, IRRIGATION RESTRICTION - KRUM	C	PERCENT STATE				1170	3368	3
KRUM	C	CONSERVATION, WATER LOSS CONTROL - KRUM	C	PARTICIPATION IN OWNING EXCESS CAPACITY				1170	1409	1
KRUM	C	CONSERVATION, WATER LOSS CONTROL - KRUM	C	CONSTRUCTION FUNDING				1170	1409	2
KRUM	C	CONSERVATION, WATER LOSS CONTROL - KRUM	C	PERCENT STATE				1170	1409	3
KRUM	C	CONSERVATION, WATER LOSS CONTROL - KRUM	C	PARTICIPATION IN OWNING EXCESS CAPACITY				1170	1409	1
KRUM	C	CONSERVATION, WATER LOSS CONTROL - KRUM	C	CONSTRUCTION FUNDING				1170	1409	2
KRUM	C	CONSERVATION, WATER LOSS CONTROL - KRUM	C	PERCENT STATE				1170	1409	3
LADONIA	C	CONSERVATION, WATER LOSS CONTROL - LADONIA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1183	1410	1
LADONIA	C	CONSERVATION, WATER LOSS CONTROL - LADONIA	C	CONSTRUCTION FUNDING				1183	1410	2
LADONIA	C	CONSERVATION, WATER LOSS CONTROL - LADONIA	C	PERCENT STATE				1183	1410	3
LADONIA	C	LADONIA - INFRASTRUCTURE AND TREATMENT FROM WATER FROM	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1183	1059	1
LADONIA	C	LADONIA - INFRASTRUCTURE AND TREATMENT FROM WATER FROM	C	CONSTRUCTION FUNDING				1183	1059	2
LADONIA	C	LADONIA - INFRASTRUCTURE AND TREATMENT FROM WATER FROM	C	PERCENT STATE				1183	1059	3
LAKE CITIES MUNICIPAL UTILI	C	CONSERVATION, WATER LOSS CONTROL - LAKE CITIES MUA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				81	2929	1
LAKE CITIES MUNICIPAL UTILI	C	CONSERVATION, WATER LOSS CONTROL - LAKE CITIES MUA	C	CONSTRUCTION FUNDING				81	2929	2
LAKE CITIES MUNICIPAL UTILI	C	CONSERVATION, WATER LOSS CONTROL - LAKE CITIES MUA	C	PERCENT STATE				81	2929	3
LAKE KIOWA SUD	C	CONSERVATION, WATER LOSS CONTROL - LAKE KIOWA SUD	C	PARTICIPATION IN OWNING EXCESS CAPACITY	5442,000.00	2020		2787	1412	1
LAKE KIOWA SUD	C	CONSERVATION, WATER LOSS CONTROL - LAKE KIOWA SUD	C	CONSTRUCTION FUNDING	\$4,604,538.00	2021		2787	1412	2
LAKE KIOWA SUD	C	CONSERVATION, WATER LOSS CONTROL - LAKE KIOWA SUD	C	PERCENT STATE				2787	1412	3
LAKE WORTH	C	CONSERVATION - WASTE PROHIBITION, LAKE WORTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00			1191	3442	1
LAKE WORTH	C	CONSERVATION - WASTE PROHIBITION, LAKE WORTH	C	CONSTRUCTION FUNDING	50.00			1191	3442	2
LAKE WORTH	C	CONSERVATION - WASTE PROHIBITION, LAKE WORTH	C	PERCENT STATE				1191	3442	3
LAKE WORTH	C	CONSERVATION, IRRIGATION RESTRICTION - LAKE WORTH	C	PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			1191	3369	1
LAKE WORTH	C	CONSERVATION, IRRIGATION RESTRICTION - LAKE WORTH	C	CONSTRUCTION FUNDING	50.00			1191	3369	2
LAKE WORTH	C	CONSERVATION, IRRIGATION RESTRICTION - LAKE WORTH	C	PERCENT STATE				1191	3369	3
LAKE WORTH	C	CONSERVATION, WATER LOSS CONTROL - LAKE WORTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00			1191	1413	1
LAKE WORTH	C	CONSERVATION, WATER LOSS CONTROL - LAKE WORTH	C	CONSTRUCTION FUNDING	50.00			1191	1413	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
LAKE WORTH	C	CONSERVATION, WATER LOSS CONTROL - LAKE WORTH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			1191	1413	3
LAKESIDE	C	CONSERVATION - WASTE PROHIBITION, LAKESIDE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1193	3443	1
LAKESIDE	C	CONSERVATION - WASTE PROHIBITION, LAKESIDE	C	CONSTRUCTION FUNDING				1193	3443	2
LAKESIDE	C	CONSERVATION - WASTE PROHIBITION, LAKESIDE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1193	3443	3
LAKESIDE	C	CONSERVATION, IRRIGATION RESTRICTION - LAKESIDE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1193	3370	1
LAKESIDE	C	CONSERVATION, IRRIGATION RESTRICTION - LAKESIDE	C	CONSTRUCTION FUNDING				1193	3370	2
LAKESIDE	C	CONSERVATION, IRRIGATION RESTRICTION - LAKESIDE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1193	3370	3
LAKESIDE	C	CONSERVATION, WATER LOSS CONTROL - LAKESIDE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1193	1414	1
LAKESIDE	C	CONSERVATION, WATER LOSS CONTROL - LAKESIDE	C	CONSTRUCTION FUNDING				1193	1414	2
LAKESIDE	C	CONSERVATION, WATER LOSS CONTROL - LAKESIDE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1193	1414	3
LAKESIDE	C	LAKESIDE - NEW WELLS IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1193	3831	1
LAKESIDE	C	LAKESIDE - NEW WELLS IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING				1193	3831	2
LAKESIDE	C	LAKESIDE - NEW WELLS IN TRINITY AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1193	3831	3
LANCASTER	C	CONSERVATION, IRRIGATION RESTRICTION - LANCASTER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1198	1585	1
LANCASTER	C	CONSERVATION, IRRIGATION RESTRICTION - LANCASTER	C	CONSTRUCTION FUNDING				1198	1585	2
LANCASTER	C	CONSERVATION, IRRIGATION RESTRICTION - LANCASTER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1198	1585	3
LANCASTER	C	CONSERVATION, WATER LOSS CONTROL - LANCASTER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1198	1416	1
LANCASTER	C	CONSERVATION, WATER LOSS CONTROL - LANCASTER	C	CONSTRUCTION FUNDING				1198	1416	2
LANCASTER	C	CONSERVATION, WATER LOSS CONTROL - LANCASTER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1198	1416	3
LEONARD	C	CONSERVATION, WATER LOSS CONTROL - LEONARD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1205	1420	1
LEONARD	C	CONSERVATION, WATER LOSS CONTROL - LEONARD	C	CONSTRUCTION FUNDING				1205	1420	2
LEONARD	C	CONSERVATION, WATER LOSS CONTROL - LEONARD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1205	1420	3
LEONARD	C	LEONARD - WATER SYSTEM IMPROVEMENTS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1205	1140	1
LEONARD	C	LEONARD - WATER SYSTEM IMPROVEMENTS	C	CONSTRUCTION FUNDING				1205	1140	2
LEONARD	C	LEONARD - WATER SYSTEM IMPROVEMENTS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1205	1140	3
LEWISVILLE	C	CONSERVATION, IRRIGATION RESTRICTION - LEWISVILLE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		1207	1586	1
LEWISVILLE	C	CONSERVATION, IRRIGATION RESTRICTION - LEWISVILLE	C	CONSTRUCTION FUNDING	\$0.00	N/A		1207	1586	2
LEWISVILLE	C	CONSERVATION, IRRIGATION RESTRICTION - LEWISVILLE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			1207	1586	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
LEWISVILLE	C	CONSERVATION, WATER LOSS CONTROL - LEWISVILLE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		1207	1421	1
LEWISVILLE	C	CONSERVATION, WATER LOSS CONTROL - LEWISVILLE	C	CONSTRUCTION FUNDING	50.00	N/A		1207	1421	2
LEWISVILLE	C	CONSERVATION, WATER LOSS CONTROL - LEWISVILLE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			1207	1421	3
LEWISVILLE	C	LEWISVILLE - 6 MGD WTP EXPANSION-1	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		1207	913	1
LEWISVILLE	C	LEWISVILLE - 6 MGD WTP EXPANSION-1	C	CONSTRUCTION FUNDING	50.00	N/A		1207	913	2
LEWISVILLE	C	LEWISVILLE - 6 MGD WTP EXPANSION-1	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			1207	913	3
LEWISVILLE	C	LEWISVILLE - 6 MGD WTP EXPANSION-2	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00			1207	914	1
LEWISVILLE	C	LEWISVILLE - 6 MGD WTP EXPANSION-2	C	CONSTRUCTION FUNDING	50.00	N/A		1207	914	2
LEWISVILLE	C	LEWISVILLE - 6 MGD WTP EXPANSION-2	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			1207	914	3
LEWISVILLE	C	LEWISVILLE - 6.5 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		1207	915	1
LEWISVILLE	C	LEWISVILLE - 6.5 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING	50.00	N/A		1207	915	2
LEWISVILLE	C	LEWISVILLE - 6.5 MGD WTP EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			1207	915	3
LINDSAY	C	CONSERVATION, WATER LOSS CONTROL - LINDSAY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		1216	1422	1
LINDSAY	C	CONSERVATION, WATER LOSS CONTROL - LINDSAY	C	CONSTRUCTION FUNDING	50.00	N/A		1216	1422	2
LINDSAY	C	CONSERVATION, WATER LOSS CONTROL - LINDSAY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			1216	1422	3
LITTLE ELM	C	CONSERVATION, WATER LOSS CONTROL - LITTLE ELM	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		1217	1423	1
LITTLE ELM	C	CONSERVATION, WATER LOSS CONTROL - LITTLE ELM	C	CONSTRUCTION FUNDING	50.00	N/A		1217	1423	2
LITTLE ELM	C	CONSERVATION, WATER LOSS CONTROL - LITTLE ELM	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			1217	1423	3
LIVESTOCK, HENDERSON	C	LIVESTOCK, HENDERSON - NEW WELLS IN CARRIZO-WILCOX AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1327	3830	1
LIVESTOCK, HENDERSON	C	LIVESTOCK, HENDERSON - NEW WELLS IN CARRIZO-WILCOX AQUIFER	C	CONSTRUCTION FUNDING				1327	3830	2
LIVESTOCK, HENDERSON	C	LIVESTOCK, HENDERSON - NEW WELLS IN CARRIZO-WILCOX AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1327	3830	3
LIVESTOCK, TARRANT	C	LIVESTOCK, TARRANT - NEW WELLS IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1440	3832	1
LIVESTOCK, TARRANT	C	LIVESTOCK, TARRANT - NEW WELLS IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING				1440	3832	2
LIVESTOCK, TARRANT	C	LIVESTOCK, TARRANT - NEW WELLS IN TRINITY AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1440	3832	3
LUCAS	C	CONSERVATION - WASTE PROHIBITION, LUCAS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1494	3445	1
LUCAS	C	CONSERVATION - WASTE PROHIBITION, LUCAS	C	CONSTRUCTION FUNDING				1494	3445	2
LUCAS	C	CONSERVATION - WASTE PROHIBITION, LUCAS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1494	3445	3
LUCAS	C	CONSERVATION, IRRIGATION RESTRICTION - LUCAS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1494	1587	1
LUCAS	C	CONSERVATION, IRRIGATION RESTRICTION - LUCAS	C	CONSTRUCTION FUNDING				1494	1587	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
LUCAS	C	CONSERVATION, IRRIGATION RESTRICTION - LUCAS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1494	1587	3
LUCAS	C	CONSERVATION, WATER LOSS CONTROL - LUCAS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1494	1426	1
LUCAS	C	CONSERVATION, WATER LOSS CONTROL - LUCAS	C	CONSTRUCTION FUNDING				1494	1426	2
LUCAS	C	CONSERVATION, WATER LOSS CONTROL - LUCAS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1494	1426	3
LUELLA SUD	C	CONSERVATION, WATER LOSS CONTROL - LUELLA SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2789	1427	1
LUELLA SUD	C	CONSERVATION, WATER LOSS CONTROL - LUELLA SUD	C	CONSTRUCTION FUNDING				2789	1427	2
LUELLA SUD	C	CONSERVATION, WATER LOSS CONTROL - LUELLA SUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2789	1427	3
M E N WSC	C	CONSERVATION, WATER LOSS CONTROL - M-E-N WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		2790	1437	1
M E N WSC	C	CONSERVATION, WATER LOSS CONTROL - M-E-N WSC	C	CONSTRUCTION FUNDING	\$0.00	N/A		2790	1437	2
M E N WSC	C	CONSERVATION, WATER LOSS CONTROL - M-E-N WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2790	1437	3
M E N WSC	C	M E N WSC - ADDITIONAL DELIVERY INFRASTRUCTURE FROM CORSIC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		2790	1096	1
M E N WSC	C	M E N WSC - ADDITIONAL DELIVERY INFRASTRUCTURE FROM CORSIC	C	CONSTRUCTION FUNDING	\$0.00	N/A		2790	1096	2
M E N WSC	C	M E N WSC - ADDITIONAL DELIVERY INFRASTRUCTURE FROM CORSIC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2790	1096	3
MABANK	C	CONSERVATION - WASTE PROHIBITION, MABANK	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1500	3446	1
MABANK	C	CONSERVATION - WASTE PROHIBITION, MABANK	C	CONSTRUCTION FUNDING				1500	3446	2
MABANK	C	CONSERVATION - WASTE PROHIBITION, MABANK	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1500	3446	3
MABANK	C	CONSERVATION - WASTE PROHIBITION, MABANK	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1500	3446	1
MABANK	C	CONSERVATION, IRRIGATION RESTRICTION - MABANK	C	CONSTRUCTION FUNDING				1500	3372	1
MABANK	C	CONSERVATION, IRRIGATION RESTRICTION - MABANK	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1500	3372	2
MABANK	C	CONSERVATION, IRRIGATION RESTRICTION - MABANK	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1500	3372	3
MABANK	C	CONSERVATION, WATER LOSS CONTROL - MABANK	C	CONSTRUCTION FUNDING				1500	1428	1
MABANK	C	CONSERVATION, WATER LOSS CONTROL - MABANK	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1500	1428	2
MABANK	C	CONSERVATION, WATER LOSS CONTROL - MABANK	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1500	1428	3
MABANK	C	MABANK - 3 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING				1500	917	1
MABANK	C	MABANK - 3 MGD WTP EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1500	917	2
MABANK	C	MABANK - 3 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1500	917	3
MABANK	C	MABANK - 5 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING				1500	919	1
MABANK	C	MABANK - 5 MGD WTP EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1500	919	2
MABANK	C	MABANK - 5 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1500	919	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IRElementName	IRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
MABANK	C	MABANK - ADDITIONAL DELIVERY INFRASTRUCTURE FROM TRWD (C)	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1500	1073	1
MABANK	C	MABANK - ADDITIONAL DELIVERY INFRASTRUCTURE FROM TRWD (C)	C	CONSTRUCTION FUNDING				1500	1073	2
MABANK	C	MABANK - ADDITIONAL DELIVERY INFRASTRUCTURE FROM TRWD (C)	C	PERCENT STATE				1500	1073	3
MALAKOFF	C	CONSERVATION, WATER LOSS CONTROL - MALAKOFF	C	PARTICIPATION IN OWNING EXCESS CAPACITY				1506	1430	1
MALAKOFF	C	CONSERVATION, WATER LOSS CONTROL - MALAKOFF	C	CONSTRUCTION FUNDING				1506	1430	2
MALAKOFF	C	CONSERVATION, WATER LOSS CONTROL - MALAKOFF	C	PERCENT STATE				1506	1430	3
MANSFIELD	C	CONSERVATION, IRRIGATION RESTRICTION - MANSFIELD	C	PARTICIPATION IN OWNING EXCESS CAPACITY				91	1431	1
MANSFIELD	C	CONSERVATION, IRRIGATION RESTRICTION - MANSFIELD	C	CONSTRUCTION FUNDING	50.00	N/A		91	1431	2
MANSFIELD	C	CONSERVATION, IRRIGATION RESTRICTION - MANSFIELD	C	PERCENT STATE	50.00	N/A		91	1431	3
MANSFIELD	C	CONSERVATION, WATER LOSS CONTROL - MANSFIELD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				91	1431	1
MANSFIELD	C	CONSERVATION, WATER LOSS CONTROL - MANSFIELD	C	CONSTRUCTION FUNDING	50.00	N/A		91	1431	2
MANSFIELD	C	CONSERVATION, WATER LOSS CONTROL - MANSFIELD	C	PERCENT STATE	50.00	N/A		91	1431	3
MANSFIELD	C	MANSFIELD - 15 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				91	920	1
MANSFIELD	C	MANSFIELD - 15 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING	50.00	N/A		91	920	2
MANSFIELD	C	MANSFIELD - 15 MGD WTP EXPANSION	C	PERCENT STATE	50.00	N/A		91	920	3
MANSFIELD	C	MANSFIELD - 20 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				91	922	1
MANSFIELD	C	MANSFIELD - 20 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING	50.00	N/A		91	922	2
MANSFIELD	C	MANSFIELD - 20 MGD WTP EXPANSION	C	PERCENT STATE	50.00	N/A		91	922	3
MANSFIELD	C	MANSFIELD - 35 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				91	921	1
MANSFIELD	C	MANSFIELD - 35 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING	50.00	N/A		91	921	2
MANSFIELD	C	MANSFIELD - 35 MGD WTP EXPANSION	C	PERCENT STATE	50.00	N/A		91	921	3
MANSFIELD	C	MANSFIELD - 35 MGD WTP EXPANSION	C	PARTICIPATION IN OWNING EXCESS CAPACITY				91	921	1
MANSFIELD	C	MANSFIELD - 35 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING	50.00	N/A		91	921	2
MANSFIELD	C	MANSFIELD - 35 MGD WTP EXPANSION	C	PERCENT STATE	50.00	N/A		91	921	3
MANSFIELD	C	MUNICIPAL WATER CONSERVATION - MANSFIELD	G	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1536	1002	1
MANSFIELD	C	MUNICIPAL WATER CONSERVATION - MANSFIELD	G	CONSTRUCTION FUNDING	50.00	N/A		1536	1002	2
MANSFIELD	C	MUNICIPAL WATER CONSERVATION - MANSFIELD	G	PERCENT STATE	50.00	N/A		1536	1002	3
MANUFACTURING, COLLIN	C	MANUFACTURING, COLLIN - NEW WELLS IN WOODBINE AQUIFER	C	PARTICIPATION IN OWNING EXCESS CAPACITY				1678	1138	1
MANUFACTURING, COLLIN	C	MANUFACTURING, COLLIN - NEW WELLS IN WOODBINE AQUIFER	C	CONSTRUCTION FUNDING				1678	1138	2
MANUFACTURING, COLLIN	C	MANUFACTURING, COLLIN - NEW WELLS IN WOODBINE AQUIFER	C	PERCENT STATE				1678	1138	3
MANUFACTURING, WISE	C	MANUFACTURING, WISE COUNTY - NEW WELLS IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1678	1138	1
MANUFACTURING, WISE	C	MANUFACTURING, WISE COUNTY - NEW WELLS IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING				1678	1138	2
MANUFACTURING, WISE	C	MANUFACTURING, WISE COUNTY - NEW WELLS IN TRINITY AQUIFER	C	PERCENT STATE				1678	1138	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
MANUFACTURING, WISE	C	MANUFACTURING, WISE COUNTY - NEW WELLS IN TRINITY ACQUIEFC		PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1678	1138	3
MARILEE SUD	C	CONSERVATION, WATER LOSS CONTROL - MARILEE SUD	C	PERMITTING & CONSTRUCTION FUNDING	\$350,000.00	2021		790	1432	1
MARILEE SUD	C	CONSERVATION, WATER LOSS CONTROL - MARILEE SUD	C	CONSTRUCTION FUNDING	\$820,000.00	2022		790	1432	2
MARILEE SUD	C	CONSERVATION, WATER LOSS CONTROL - MARILEE SUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$1.00			790	1432	3
MARKOUT WSC	C	CONSERVATION, IRRIGATION RESTRICTION - MARKOUT WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		13120	3374	1
MARKOUT WSC	C	CONSERVATION, IRRIGATION RESTRICTION - MARKOUT WSC	C	CONSTRUCTION FUNDING	50.00	N/A		13120	3374	2
MARKOUT WSC	C	CONSERVATION, IRRIGATION RESTRICTION - MARKOUT WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			13120	3374	3
MARKOUT WSC	C	CONSERVATION, WATER LOSS CONTROL - MARKOUT WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		13120	2930	1
MARKOUT WSC	C	CONSERVATION, WATER LOSS CONTROL - MARKOUT WSC	C	CONSTRUCTION FUNDING	50.00	N/A		13120	2930	2
MARKOUT WSC	C	CONSERVATION, WATER LOSS CONTROL - MARKOUT WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			13120	2930	3
MCKINNEY	C	CONSERVATION, WATER LOSS CONTROL - MCKINNEY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		1702	1434	1
MCKINNEY	C	CONSERVATION, WATER LOSS CONTROL - MCKINNEY	C	CONSTRUCTION FUNDING	50.00	N/A		1702	1434	2
MCKINNEY	C	CONSERVATION, WATER LOSS CONTROL - MCKINNEY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			1702	1434	3
MELISSA	C	CONSERVATION, WATER LOSS CONTROL - MELISSA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00			1708	1436	1
MELISSA	C	CONSERVATION, WATER LOSS CONTROL - MELISSA	C	CONSTRUCTION FUNDING				1708	1436	2
MELISSA	C	CONSERVATION, WATER LOSS CONTROL - MELISSA	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1708	1436	3
MESQUITE	C	CONSERVATION, WATER LOSS CONTROL - MESQUITE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		1715	1438	1
MESQUITE	C	CONSERVATION, WATER LOSS CONTROL - MESQUITE	C	CONSTRUCTION FUNDING	50.00	N/A		1715	1438	2
MESQUITE	C	CONSERVATION, WATER LOSS CONTROL - MESQUITE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			1715	1438	3
MIDLOTHIAN	C	CONSERVATION, IRRIGATION RESTRICTION - MIDLOTHIAN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		94	1588	1
MIDLOTHIAN	C	CONSERVATION, IRRIGATION RESTRICTION - MIDLOTHIAN	C	CONSTRUCTION FUNDING	50.00	N/A		94	1588	2
MIDLOTHIAN	C	CONSERVATION, IRRIGATION RESTRICTION - MIDLOTHIAN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			94	1588	3
MIDLOTHIAN	C	CONSERVATION, WATER LOSS CONTROL - MIDLOTHIAN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		94	1439	1
MIDLOTHIAN	C	CONSERVATION, WATER LOSS CONTROL - MIDLOTHIAN	C	CONSTRUCTION FUNDING	50.00	N/A		94	1439	2
MIDLOTHIAN	C	CONSERVATION, WATER LOSS CONTROL - MIDLOTHIAN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			94	1439	3

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MIDLOTHIAN	C	MIDLOTHIAN - ALTERNATIVE - PURCHASE DUNCANVILLE'S JOE POOL	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		94	1041	1
MIDLOTHIAN	C	MIDLOTHIAN - ALTERNATIVE - PURCHASE DUNCANVILLE'S JOE POOL	C	CONSTRUCTION FUNDING	50.00	N/A		94	1041	2
MIDLOTHIAN	C	MIDLOTHIAN - ALTERNATIVE - PURCHASE DUNCANVILLE'S JOE POOL	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			94	1041	3
MIDLOTHIAN	C	MIDLOTHIAN - EXPAND AUGER WTP TO 16 MGD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		94	924	1
MIDLOTHIAN	C	MIDLOTHIAN - EXPAND AUGER WTP TO 16 MGD	C	CONSTRUCTION FUNDING	50.00	N/A		94	924	2
MIDLOTHIAN	C	MIDLOTHIAN - EXPAND AUGER WTP TO 16 MGD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			94	924	3
MIDLOTHIAN	C	MIDLOTHIAN - EXPAND AUGER WTP TO 24 MGD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00			94	924	1
MIDLOTHIAN	C	MIDLOTHIAN - EXPAND AUGER WTP TO 24 MGD	C	CONSTRUCTION FUNDING	50.00			94	924	2
MIDLOTHIAN	C	MIDLOTHIAN - EXPAND AUGER WTP TO 24 MGD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			94	924	3
MIDLOTHIAN	C	MIDLOTHIAN - EXPAND AUGER WTP TO 32 MGD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		94	926	1
MIDLOTHIAN	C	MIDLOTHIAN - EXPAND AUGER WTP TO 32 MGD	C	CONSTRUCTION FUNDING	50.00	N/A		94	926	2
MIDLOTHIAN	C	MIDLOTHIAN - EXPAND AUGER WTP TO 32 MGD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			94	926	3
MIDLOTHIAN	C	MIDLOTHIAN - EXPAND TAYMAN WTP TO 20 MGD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		94	4025	1
MIDLOTHIAN	C	MIDLOTHIAN - EXPAND TAYMAN WTP TO 20 MGD	C	CONSTRUCTION FUNDING	50.00	N/A		94	4025	2
MIDLOTHIAN	C	MIDLOTHIAN - EXPAND TAYMAN WTP TO 20 MGD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			94	4025	3
MILLIGAN WSC	C	CONSERVATION, WATER LOSS CONTROL - MILLIGAN WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	520,000.00	2021		13133	2931	1
MILLIGAN WSC	C	CONSERVATION, WATER LOSS CONTROL - MILLIGAN WSC	C	CONSTRUCTION FUNDING	520,850.00	2021		13133	2931	2
MILLIGAN WSC	C	CONSERVATION, WATER LOSS CONTROL - MILLIGAN WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			13133	2931	3
MINING, GRAYSON	C	MINING, GRAYSON COUNTY - NEW WELLS IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1805	1068	1
MINING, GRAYSON	C	MINING, GRAYSON COUNTY - NEW WELLS IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING				1805	1068	2
MINING, GRAYSON	C	MINING, GRAYSON COUNTY - NEW WELLS IN TRINITY AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1805	1068	3
MINING, HENDERSON	C	HDSN - MINING - NEW GROUNDWATER WELLS INFRASTRUCTURE	I	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1818	3931	1
MINING, HENDERSON	C	HDSN - MINING - NEW GROUNDWATER WELLS INFRASTRUCTURE	I	CONSTRUCTION FUNDING				1818	3931	2
MINING, HENDERSON	C	HDSN - MINING - NEW GROUNDWATER WELLS INFRASTRUCTURE	I	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1818	3931	3
MINING, KAUFMAN	C	MINING, KAUFMAN COUNTY - NEW WELLS IN NACATOCH AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1839	2760	1
MINING, KAUFMAN	C	MINING, KAUFMAN COUNTY - NEW WELLS IN NACATOCH AQUIFER	C	CONSTRUCTION FUNDING				1839	2760	2
MINING, KAUFMAN	C	MINING, KAUFMAN COUNTY - NEW WELLS IN NACATOCH AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1839	2760	3
MINING, KAUFMAN	C	MINING, PARKER COUNTY - NEW WELLS IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1839	3852	1
MINING, KAUFMAN	C	MINING, PARKER COUNTY - NEW WELLS IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING				1839	3852	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
MINING, KAUFMAN	C	MINING, PARKER COUNTY - NEW WELLS IN TRINITY ACQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1839	3852	3
MOUNT ZION WSC	C	CONSERVATION - WASTE PROHIBITION, MOUNT ZION WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2791	3447	1
MOUNT ZION WSC	C	CONSERVATION - WASTE PROHIBITION, MOUNT ZION WSC	C	CONSTRUCTION FUNDING				2791	3447	2
MOUNT ZION WSC	C	CONSERVATION - WASTE PROHIBITION, MOUNT ZION WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2791	3447	3
MOUNT ZION WSC	C	CONSERVATION, IRRIGATION RESTRICTION - MOUNT ZION WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2791	3379	1
MOUNT ZION WSC	C	CONSERVATION, IRRIGATION RESTRICTION - MOUNT ZION WSC	C	CONSTRUCTION FUNDING				2791	3379	2
MOUNT ZION WSC	C	CONSERVATION, IRRIGATION RESTRICTION - MOUNT ZION WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2791	3379	3
MOUNT ZION WSC	C	CONSERVATION, WATER LOSS CONTROL - MOUNT ZION WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2791	1442	1
MOUNT ZION WSC	C	CONSERVATION, WATER LOSS CONTROL - MOUNT ZION WSC	C	CONSTRUCTION FUNDING				2791	1442	2
MOUNT ZION WSC	C	CONSERVATION, WATER LOSS CONTROL - MOUNT ZION WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2791	1442	3
MOUNTAIN PEAK SUD	C	CONSERVATION, IRRIGATION RESTRICTION - MOUNTAIN PEAK SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		1970	3380	1
MOUNTAIN PEAK SUD	C	CONSERVATION, IRRIGATION RESTRICTION - MOUNTAIN PEAK SUD	C	CONSTRUCTION FUNDING	50.00	N/A		1970	3380	2
MOUNTAIN PEAK SUD	C	CONSERVATION, IRRIGATION RESTRICTION - MOUNTAIN PEAK SUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			1970	3380	3
MOUNTAIN PEAK SUD	C	CONSERVATION, WATER LOSS CONTROL - MOUNTAIN PEAK SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		1970	1443	1
MOUNTAIN PEAK SUD	C	CONSERVATION, WATER LOSS CONTROL - MOUNTAIN PEAK SUD	C	CONSTRUCTION FUNDING	50.00	N/A		1970	1443	2
MOUNTAIN PEAK SUD	C	CONSERVATION, WATER LOSS CONTROL - MOUNTAIN PEAK SUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			1970	1443	3
MOUNTAIN SPRINGS WSC	C	CONSERVATION, IRRIGATION RESTRICTION - MOUNTAIN SPRINGS WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2839	3381	1
MOUNTAIN SPRINGS WSC	C	CONSERVATION, IRRIGATION RESTRICTION - MOUNTAIN SPRINGS WSC	C	CONSTRUCTION FUNDING				2839	3381	2
MOUNTAIN SPRINGS WSC	C	CONSERVATION, IRRIGATION RESTRICTION - MOUNTAIN SPRINGS WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2839	3381	3
MOUNTAIN SPRINGS WSC	C	CONSERVATION, WATER LOSS CONTROL - MOUNTAIN SPRING WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2839	1444	1
MOUNTAIN SPRINGS WSC	C	CONSERVATION, WATER LOSS CONTROL - MOUNTAIN SPRING WSC	C	CONSTRUCTION FUNDING				2839	1444	2
MOUNTAIN SPRINGS WSC	C	CONSERVATION, WATER LOSS CONTROL - MOUNTAIN SPRING WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2839	1444	3
MUENSTER	C	CONSERVATION, WATER LOSS CONTROL - MUENSTER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1971	1445	1
MUENSTER	C	CONSERVATION, WATER LOSS CONTROL - MUENSTER	C	CONSTRUCTION FUNDING				1971	1445	2
MUENSTER	C	CONSERVATION, WATER LOSS CONTROL - MUENSTER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1971	1445	3
MUENSTER	C	MUENSTER - DEVELOP LAKE MUENSTER SUPPLY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1971	1015	1
MUENSTER	C	MUENSTER - DEVELOP LAKE MUENSTER SUPPLY	C	CONSTRUCTION FUNDING				1971	1015	2
MUENSTER	C	MUENSTER - DEVELOP LAKE MUENSTER SUPPLY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				1971	1015	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IRElementName	IRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
MURPHY	C	CONSERVATION - WASTE PROHIBITION, MURPHY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1975	1574	1
MURPHY	C	CONSERVATION - WASTE PROHIBITION, MURPHY	C	CONSTRUCTION FUNDING				1975	1574	2
MURPHY	C	CONSERVATION - WASTE PROHIBITION, MURPHY	C	PERCENT STATE				1975	1574	3
MURPHY	C	CONSERVATION - WASTE PROHIBITION, MURPHY	C	PARTICIPATION IN OWNING EXCESS CAPACITY				1975	1574	3
MURPHY	C	CONSERVATION, IRRIGATION RESTRICTION - MURPHY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1975	3382	1
MURPHY	C	CONSERVATION, IRRIGATION RESTRICTION - MURPHY	C	CONSTRUCTION FUNDING				1975	3382	2
MURPHY	C	CONSERVATION, IRRIGATION RESTRICTION - MURPHY	C	PERCENT STATE				1975	3382	3
MURPHY	C	CONSERVATION, IRRIGATION RESTRICTION - MURPHY	C	PARTICIPATION IN OWNING EXCESS CAPACITY				1975	3382	3
MURPHY	C	CONSERVATION, IRRIGATION RESTRICTION - MURPHY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1975	1446	1
MURPHY	C	CONSERVATION, IRRIGATION RESTRICTION - MURPHY	C	CONSTRUCTION FUNDING				1975	1446	2
MURPHY	C	CONSERVATION, IRRIGATION RESTRICTION - MURPHY	C	PERCENT STATE				1975	1446	3
MURPHY	C	CONSERVATION, IRRIGATION RESTRICTION - MURPHY	C	PARTICIPATION IN OWNING EXCESS CAPACITY				1975	1446	3
MUSTANG SUD	C	CONSERVATION, WATER LOSS CONTROL - MUSTANG SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				96	1447	1
MUSTANG SUD	C	CONSERVATION, WATER LOSS CONTROL - MUSTANG SUD	C	CONSTRUCTION FUNDING				96	1447	2
MUSTANG SUD	C	CONSERVATION, WATER LOSS CONTROL - MUSTANG SUD	C	PERCENT STATE				96	1447	3
MUSTANG SUD	C	CONSERVATION, WATER LOSS CONTROL - MUSTANG SUD	C	PARTICIPATION IN OWNING EXCESS CAPACITY				96	1447	3
NAVARRO MILLS WSC	C	CONSERVATION, WATER LOSS CONTROL - NAVARRO MILLS WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1981	1448	1
NAVARRO MILLS WSC	C	CONSERVATION, WATER LOSS CONTROL - NAVARRO MILLS WSC	C	CONSTRUCTION FUNDING				1981	1448	2
NAVARRO MILLS WSC	C	CONSERVATION, WATER LOSS CONTROL - NAVARRO MILLS WSC	C	PERCENT STATE				1981	1448	3
NAVARRO MILLS WSC	C	CONSERVATION, WATER LOSS CONTROL - NAVARRO MILLS WSC	C	PARTICIPATION IN OWNING EXCESS CAPACITY				1981	1448	3
NAVARRO MILLS WSC	C	NAVARRO MILLS WSC - NEW WELL IN WOODBINE AQUIFER Q-168	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1981	1098	1
NAVARRO MILLS WSC	C	NAVARRO MILLS WSC - NEW WELL IN WOODBINE AQUIFER Q-168	C	CONSTRUCTION FUNDING				1981	1098	2
NAVARRO MILLS WSC	C	NAVARRO MILLS WSC - NEW WELL IN WOODBINE AQUIFER Q-168	C	PERCENT STATE				1981	1098	3
NAVARRO MILLS WSC	C	NAVARRO MILLS WSC - NEW WELL IN WOODBINE AQUIFER Q-168	C	PARTICIPATION IN OWNING EXCESS CAPACITY				1981	1098	3
NEVADA SUD	C	CONSERVATION, WATER LOSS CONTROL - NEVADA SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1985	2934	1
NEVADA SUD	C	CONSERVATION, WATER LOSS CONTROL - NEVADA SUD	C	CONSTRUCTION FUNDING				1985	2934	2
NEVADA SUD	C	CONSERVATION, WATER LOSS CONTROL - NEVADA SUD	C	PERCENT STATE				1985	2934	3
NEVADA SUD	C	CONSERVATION, WATER LOSS CONTROL - NEVADA SUD	C	PARTICIPATION IN OWNING EXCESS CAPACITY				1985	2934	3
NEWARK	C	CONSERVATION, WATER LOSS CONTROL - NEWARK	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1996	1452	1
NEWARK	C	CONSERVATION, WATER LOSS CONTROL - NEWARK	C	CONSTRUCTION FUNDING				1996	1452	2
NEWARK	C	CONSERVATION, WATER LOSS CONTROL - NEWARK	C	PERCENT STATE				1996	1452	3
NEWARK	C	CONSERVATION, WATER LOSS CONTROL - NEWARK	C	PARTICIPATION IN OWNING EXCESS CAPACITY				1996	1452	3
NEWARK	C	NEWARK - CONNECT TO RHOME	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				1996	1136	1
NEWARK	C	NEWARK - CONNECT TO RHOME	C	CONSTRUCTION FUNDING				1996	1136	2
NEWARK	C	NEWARK - CONNECT TO RHOME	C	PERCENT STATE				1996	1136	3
NEWARK	C	NEWARK - CONNECT TO RHOME	C	PARTICIPATION IN OWNING EXCESS CAPACITY				1996	1136	3
NORTH COLLIN SUD	C	CONSERVATION, WATER LOSS CONTROL - NORTH COLLIN WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2011	1453	1
NORTH COLLIN SUD	C	CONSERVATION, WATER LOSS CONTROL - NORTH COLLIN WSC	C	CONSTRUCTION FUNDING				2011	1453	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
NORTH COLLIN SUD	C	CONSERVATION, WATER LOSS CONTROL - NORTH COLLIN WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2011	1453	3
NORTH FARMERSVILLE WSC	C	CONSERVATION, IRRIGATION RESTRICTION - NORTH FARMERSVILLE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		13162	3384	1
NORTH FARMERSVILLE WSC	C	CONSERVATION, IRRIGATION RESTRICTION - NORTH FARMERSVILLE	C	CONSTRUCTION FUNDING	\$0.00	N/A		13162	3384	2
NORTH FARMERSVILLE WSC	C	CONSERVATION, IRRIGATION RESTRICTION - NORTH FARMERSVILLE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			13162	3384	3
NORTH FARMERSVILLE WSC	C	CONSERVATION, WATER LOSS CONTROL - NORTH FARMERSVILLE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		13162	2939	1
NORTH FARMERSVILLE WSC	C	CONSERVATION, WATER LOSS CONTROL - NORTH FARMERSVILLE	C	CONSTRUCTION FUNDING	\$0.00	N/A		13162	2939	2
NORTH FARMERSVILLE WSC	C	CONSERVATION, WATER LOSS CONTROL - NORTH FARMERSVILLE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			13162	2939	3
NORTH KAUFMAN WSC	C	CONSERVATION, WATER LOSS CONTROL - NORTH KAUFMAN WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		13165	2940	1
NORTH KAUFMAN WSC	C	CONSERVATION, WATER LOSS CONTROL - NORTH KAUFMAN WSC	C	CONSTRUCTION FUNDING	\$0.00	N/A		13165	2940	2
NORTH KAUFMAN WSC	C	CONSERVATION, WATER LOSS CONTROL - NORTH KAUFMAN WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			13165	2940	3
NORTH RICHLAND HILLS	C	CONSERVATION, WATER LOSS CONTROL - NORTH RICHLAND HILLS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				101	1454	1
NORTH RICHLAND HILLS	C	CONSERVATION, WATER LOSS CONTROL - NORTH RICHLAND HILLS	C	CONSTRUCTION FUNDING				101	1454	2
NORTH RICHLAND HILLS	C	CONSERVATION, WATER LOSS CONTROL - NORTH RICHLAND HILLS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				101	1454	3
NORTH RICHLAND HILLS	C	WATAUGA & N RICHLAND HILLS - INCREASE DELIVERY INFRASTRUCTURE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				101	1132	1
NORTH RICHLAND HILLS	C	WATAUGA & N RICHLAND HILLS - INCREASE DELIVERY INFRASTRUCTURE	C	CONSTRUCTION FUNDING				101	1132	2
NORTH RICHLAND HILLS	C	WATAUGA & N RICHLAND HILLS - INCREASE DELIVERY INFRASTRUCTURE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				101	1132	3
NORTH TEXAS MWD	C	MARVIN NICHOLS (B28) - TRWD, NTMWD, UTRWD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$612,017,259.00	2030		102	835	1
NORTH TEXAS MWD	C	MARVIN NICHOLS (B28) - TRWD, NTMWD, UTRWD	C	CONSTRUCTION FUNDING	\$1,748,620,741.00	2040		102	835	2
NORTH TEXAS MWD	C	MARVIN NICHOLS (B28) - TRWD, NTMWD, UTRWD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			102	835	3
NORTH TEXAS MWD	C	NTMWD & IRVING - LAKE CHAPMAN PUMP STATION EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$3,000,000.00	2026		102	956	1
NORTH TEXAS MWD	C	NTMWD & IRVING - LAKE CHAPMAN PUMP STATION EXPANSION	C	CONSTRUCTION FUNDING	\$18,000,000.00	2027		102	956	2
NORTH TEXAS MWD	C	NTMWD & IRVING - LAKE CHAPMAN PUMP STATION EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			102	956	3
NORTH TEXAS MWD	C	NTMWD - ADDITIONAL LAKE TEXOMA BLEND PHASE I	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$30,000,000.00	2043		102	958	1
NORTH TEXAS MWD	C	NTMWD - ADDITIONAL LAKE TEXOMA BLEND PHASE I	C	CONSTRUCTION FUNDING	\$200,000,000.00	2044		102	958	2
NORTH TEXAS MWD	C	NTMWD - ADDITIONAL LAKE TEXOMA BLEND PHASE I	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			102	958	3
NORTH TEXAS MWD	C	NTMWD - ADDITIONAL LAKE TEXOMA BLEND PHASE II	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$38,000,000.00	2064		102	957	1
NORTH TEXAS MWD	C	NTMWD - ADDITIONAL LAKE TEXOMA BLEND PHASE II	C	CONSTRUCTION FUNDING	\$315,000,000.00	2065		102	957	2
NORTH TEXAS MWD	C	NTMWD - ADDITIONAL LAKE TEXOMA BLEND PHASE II	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			102	957	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IRElementName	IRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
NORTH TEXAS MWD	C	NTMWD - ADDITIONAL LAVON WATERSHED REUSE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$30,000.00	2025		102	3845	1
NORTH TEXAS MWD	C	NTMWD - ADDITIONAL LAVON WATERSHED REUSE	C	CONSTRUCTION FUNDING	\$70,000.00	2053		102	3845	2
NORTH TEXAS MWD	C	NTMWD - ADDITIONAL LAVON WATERSHED REUSE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			102	3845	3
NORTH TEXAS MWD	C	NTMWD - ADDITIONAL MEASURE TO ACCESS FULL LAKE LAVON YELLC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$5,000,000.00	2033		102	953	1
NORTH TEXAS MWD	C	NTMWD - ADDITIONAL MEASURE TO ACCESS FULL LAKE LAVON YELLC	C	CONSTRUCTION FUNDING	\$27,753,000.00	2034		102	953	2
NORTH TEXAS MWD	C	NTMWD - ADDITIONAL MEASURE TO ACCESS FULL LAKE LAVON YELLC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			102	953	3
NORTH TEXAS MWD	C	NTMWD - BOIS D'ARC LAKE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$641,000,000.00	2020		102	955	1
NORTH TEXAS MWD	C	NTMWD - BOIS D'ARC LAKE	C	CONSTRUCTION FUNDING	\$1,024,000.00	2022		102	955	2
NORTH TEXAS MWD	C	NTMWD - BOIS D'ARC LAKE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			102	955	3
NORTH TEXAS MWD	C	NTMWD - EXPANDED WETLAND REUSE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$75,000,000.00	2033		102	4108	1
NORTH TEXAS MWD	C	NTMWD - EXPANDED WETLAND REUSE	C	CONSTRUCTION FUNDING	\$550,000,000.00	2035		102	4108	2
NORTH TEXAS MWD	C	NTMWD - EXPANDED WETLAND REUSE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			102	4108	3
NORTH TEXAS MWD	C	NTMWD - OKLAHOMA WATER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$40,000,000.00	2071		102	959	1
NORTH TEXAS MWD	C	NTMWD - OKLAHOMA WATER	C	CONSTRUCTION FUNDING	\$220,000,000.00	2073		102	959	2
NORTH TEXAS MWD	C	NTMWD - OKLAHOMA WATER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			102	959	3
NORTH TEXAS MWD	C	NTMWD TREATMENT & TREATED WATER DISTRIBUTION IMPROVEM	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$100,000,000.00	2027		102	1145	1
NORTH TEXAS MWD	C	NTMWD TREATMENT & TREATED WATER DISTRIBUTION IMPROVEM	C	CONSTRUCTION FUNDING	\$1,500,000,000.00	2028		102	1145	2
NORTH TEXAS MWD	C	NTMWD TREATMENT & TREATED WATER DISTRIBUTION IMPROVEM	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			102	1145	3
NORTH TEXAS MWD	C	NTMWD TREATMENT & TREATED WATER DISTRIBUTION IMPROVEM	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$100,000,000.00	2031		102	1146	1
NORTH TEXAS MWD	C	NTMWD TREATMENT & TREATED WATER DISTRIBUTION IMPROVEM	C	CONSTRUCTION FUNDING	\$921,000,000.00	2033		102	1146	2
NORTH TEXAS MWD	C	NTMWD TREATMENT & TREATED WATER DISTRIBUTION IMPROVEM	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			102	1146	3
NORTH TEXAS MWD	C	NTMWD TREATMENT & TREATED WATER DISTRIBUTION IMPROVEM	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$110,000,000.00	2041		102	1147	1
NORTH TEXAS MWD	C	NTMWD TREATMENT & TREATED WATER DISTRIBUTION IMPROVEM	C	CONSTRUCTION FUNDING	\$900,000,000.00	2043		102	1147	2
NORTH TEXAS MWD	C	NTMWD TREATMENT & TREATED WATER DISTRIBUTION IMPROVEM	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			102	1147	3
NORTH TEXAS MWD	C	NTMWD TREATMENT & TREATED WATER DISTRIBUTION IMPROVEM	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$100,000,000.00	2053		102	1148	1
NORTH TEXAS MWD	C	NTMWD TREATMENT & TREATED WATER DISTRIBUTION IMPROVEM	C	CONSTRUCTION FUNDING	\$857,348,000.00	2055		102	1148	2
NORTH TEXAS MWD	C	NTMWD TREATMENT & TREATED WATER DISTRIBUTION IMPROVEM	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			102	1148	3
NORTH TEXAS MWD	C	NTMWD TREATMENT & TREATED WATER DISTRIBUTION IMPROVEM	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$25,000,000.00	2064		102	1149	1
NORTH TEXAS MWD	C	NTMWD TREATMENT & TREATED WATER DISTRIBUTION IMPROVEM	C	CONSTRUCTION FUNDING	\$227,000,000.00	2066		102	1149	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
NORTH TEXAS MWD	C	NTMWD TREATMENT & TREATED WATER DISTRIBUTION IMPROVEM	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			102	1149	3
NORTH TEXAS MWD	C	NTMWD - FANNIN COUNTY WATER SUPPLY PROJECT	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$14,000,000.00	2035		102	1080	1
NORTH TEXAS MWD	C	NTMWD - FANNIN COUNTY WATER SUPPLY PROJECT	C	CONSTRUCTION FUNDING	\$117,000,000.00	2037		102	1080	2
NORTH TEXAS MWD	C	NTMWD - FANNIN COUNTY WATER SUPPLY PROJECT	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			102	1080	3
NORTH TEXAS MWD	C	WRIGHT PATMAN REALLOCATION NTMWD, TRWD, AND UTRWD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$75,000,000.00	2073		102	3862	1
NORTH TEXAS MWD	C	WRIGHT PATMAN REALLOCATION NTMWD, TRWD, AND UTRWD	C	CONSTRUCTION FUNDING	\$655,000,000.00	2076		102	3862	2
NORTH TEXAS MWD	C	WRIGHT PATMAN REALLOCATION NTMWD, TRWD, AND UTRWD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			102	3862	3
NORTH LAKE	C	CONSERVATION, IRRIGATION RESTRICTION - NORTH LAKE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		2015	3386	1
NORTH LAKE	C	CONSERVATION, IRRIGATION RESTRICTION - NORTH LAKE	C	CONSTRUCTION FUNDING	\$0.00	N/A		2015	3386	2
NORTH LAKE	C	CONSERVATION, IRRIGATION RESTRICTION - NORTH LAKE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2015	3386	3
NORTH LAKE	C	CONSERVATION, WATER LOSS CONTROL - NORTH LAKE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		2015	1455	1
NORTH LAKE	C	CONSERVATION, WATER LOSS CONTROL - NORTH LAKE	C	CONSTRUCTION FUNDING	\$0.00	N/A		2015	1455	2
NORTH LAKE	C	CONSERVATION, WATER LOSS CONTROL - NORTH LAKE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2015	1455	3
NORTHWEST GRAYSON COUNTY	C	CONSERVATION, WATER LOSS CONTROL - NORTHWEST GRAYSON CCC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				13171	1465	1
NORTHWEST GRAYSON COUNTY	C	CONSERVATION, WATER LOSS CONTROL - NORTHWEST GRAYSON CCC	C	CONSTRUCTION FUNDING				13171	1365	2
NORTHWEST GRAYSON COUNTY	C	CONSERVATION, WATER LOSS CONTROL - NORTHWEST GRAYSON CCC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				13171	1365	3
NORTHWEST GRAYSON COUNTY	C	CONSERVATION, WATER LOSS CONTROL - NORTHWEST GRAYSON CCC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				13171	3826	1
NORTHWEST GRAYSON COUNTY	C	CONSERVATION, WATER LOSS CONTROL - NORTHWEST GRAYSON CCC	C	CONSTRUCTION FUNDING				13171	3826	2
NORTHWEST GRAYSON COUNTY	C	CONSERVATION, WATER LOSS CONTROL - NORTHWEST GRAYSON CCC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				13171	3826	3
OAK RIDGE SOUTH GALE WSCC	C	CONSERVATION, WATER LOSS CONTROL - OAK RIDGE SOUTH GALE WC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				13175	2942	1
OAK RIDGE SOUTH GALE WSCC	C	CONSERVATION, WATER LOSS CONTROL - OAK RIDGE SOUTH GALE WC	C	CONSTRUCTION FUNDING				13175	2942	2
OAK RIDGE SOUTH GALE WSCC	C	CONSERVATION, WATER LOSS CONTROL - OAK RIDGE SOUTH GALE WC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				13175	2942	3
OVILLA	C	CONSERVATION - WASTE PROHIBITION, OVILLA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2036	3448	1
OVILLA	C	CONSERVATION - WASTE PROHIBITION, OVILLA	C	CONSTRUCTION FUNDING				2036	3448	2
OVILLA	C	CONSERVATION - WASTE PROHIBITION, OVILLA	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2036	3448	3
OVILLA	C	CONSERVATION, IRRIGATION RESTRICTION - OVILLA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2036	3387	1
OVILLA	C	CONSERVATION, IRRIGATION RESTRICTION - OVILLA	C	CONSTRUCTION FUNDING				2036	3387	2
OVILLA	C	CONSERVATION, IRRIGATION RESTRICTION - OVILLA	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2036	3387	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
OVILLA	C	CONSERVATION, WATER LOSS CONTROL - OVILLA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2036	1461	1
OVILLA	C	CONSERVATION, WATER LOSS CONTROL - OVILLA	C	CONSTRUCTION FUNDING				2036	1461	2
OVILLA	C	CONSERVATION, WATER LOSS CONTROL - OVILLA	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2036	1461	3
OVILLA	C	OVILLA - ADDITIONAL DELIVERY INFRASTRUCTURE FROM DWU	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2036	1022	1
OVILLA	C	OVILLA - ADDITIONAL DELIVERY INFRASTRUCTURE FROM DWU	C	CONSTRUCTION FUNDING				2036	1022	2
OVILLA	C	OVILLA - ADDITIONAL DELIVERY INFRASTRUCTURE FROM DWU	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2036	1022	3
PALMER	C	CONSERVATION, WATER LOSS CONTROL - PALMER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2042	1462	1
PALMER	C	CONSERVATION, WATER LOSS CONTROL - PALMER	C	CONSTRUCTION FUNDING				2042	1462	2
PALMER	C	CONSERVATION, WATER LOSS CONTROL - PALMER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2042	1462	3
PALMER	C	PALMER - ADDITIONAL DELIVERY INFRASTRUCTURE FROM ROCKETT	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2042	1043	1
PALMER	C	PALMER - ADDITIONAL DELIVERY INFRASTRUCTURE FROM ROCKETT	C	CONSTRUCTION FUNDING				2042	1043	2
PALMER	C	PALMER - ADDITIONAL DELIVERY INFRASTRUCTURE FROM ROCKETT	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2042	1043	3
PALOMA CREEK NORTH	C	CONSERVATION - WASTE PROHIBITION, PALOMA CREEK NORTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2891	3449	1
PALOMA CREEK NORTH	C	CONSERVATION - WASTE PROHIBITION, PALOMA CREEK NORTH	C	CONSTRUCTION FUNDING				2891	3449	2
PALOMA CREEK NORTH	C	CONSERVATION - WASTE PROHIBITION, PALOMA CREEK NORTH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2891	3449	3
PALOMA CREEK NORTH	C	CONSERVATION, IRRIGATION RESTRICTION - PALOMA CREEK NORTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2891	3388	1
PALOMA CREEK NORTH	C	CONSERVATION, IRRIGATION RESTRICTION - PALOMA CREEK NORTH	C	CONSTRUCTION FUNDING				2891	3388	2
PALOMA CREEK NORTH	C	CONSERVATION, IRRIGATION RESTRICTION - PALOMA CREEK NORTH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2891	3388	3
PALOMA CREEK NORTH	C	CONSERVATION, WATER LOSS CONTROL - PALOMA CREEK NORTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2891	1463	1
PALOMA CREEK NORTH	C	CONSERVATION, WATER LOSS CONTROL - PALOMA CREEK NORTH	C	CONSTRUCTION FUNDING				2891	1463	2
PALOMA CREEK NORTH	C	CONSERVATION, WATER LOSS CONTROL - PALOMA CREEK NORTH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2891	1463	3
PALOMA CREEK SOUTH	C	CONSERVATION - WASTE PROHIBITION, PALOMA CREEK SOUTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				13328	3450	1
PALOMA CREEK SOUTH	C	CONSERVATION - WASTE PROHIBITION, PALOMA CREEK SOUTH	C	CONSTRUCTION FUNDING				13328	3450	2
PALOMA CREEK SOUTH	C	CONSERVATION - WASTE PROHIBITION, PALOMA CREEK SOUTH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				13328	3450	3
PALOMA CREEK SOUTH	C	CONSERVATION, IRRIGATION RESTRICTION - PALOMA CREEK SOUTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				13328	3389	1
PALOMA CREEK SOUTH	C	CONSERVATION, IRRIGATION RESTRICTION - PALOMA CREEK SOUTH	C	CONSTRUCTION FUNDING				13328	3389	2
PALOMA CREEK SOUTH	C	CONSERVATION, IRRIGATION RESTRICTION - PALOMA CREEK SOUTH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				13328	3389	3
PALOMA CREEK SOUTH	C	CONSERVATION, WATER LOSS CONTROL - PALOMA CREEK SOUTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				13328	1429	1
PALOMA CREEK SOUTH	C	CONSERVATION, WATER LOSS CONTROL - PALOMA CREEK SOUTH	C	CONSTRUCTION FUNDING				13328	1429	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
PALOMA CREEK SOUTH	C	CONSERVATION, WATER LOSS CONTROL - PALOMA CREEK SOUTH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				13328	1429	3
PANTEGO	C	CONSERVATION, WATER LOSS CONTROL - PANTEGO	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		2048	1464	1
PANTEGO	C	CONSERVATION, WATER LOSS CONTROL - PANTEGO	C	CONSTRUCTION FUNDING	\$0.00	N/A		2048	1464	2
PANTEGO	C	CONSERVATION, WATER LOSS CONTROL - PANTEGO	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2048	1464	3
PANTEGO	C	PANTEGO - CONNECT TO ARLINGTON	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$150,000.00	2020		2048	1123	1
PANTEGO	C	PANTEGO - CONNECT TO ARLINGTON	C	CONSTRUCTION FUNDING	\$600,000.00	2021		2048	1123	2
PANTEGO	C	PANTEGO - CONNECT TO ARLINGTON	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2048	1123	3
PANTEGO	C	PANTEGO - CONNECT TO FORT WORTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		2048	1124	1
PANTEGO	C	PANTEGO - CONNECT TO FORT WORTH	C	CONSTRUCTION FUNDING	\$0.00	N/A		2048	1124	2
PANTEGO	C	PANTEGO - CONNECT TO FORT WORTH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2048	1124	3
PARKER	C	CONSERVATION - WASTE PROHIBITION, PARKER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2049	3451	1
PARKER	C	CONSERVATION - WASTE PROHIBITION, PARKER	C	CONSTRUCTION FUNDING				2049	3451	2
PARKER	C	CONSERVATION - WASTE PROHIBITION, PARKER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2049	3451	3
PARKER	C	CONSERVATION, IRRIGATION RESTRICTION - PARKER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2049	3390	1
PARKER	C	CONSERVATION, IRRIGATION RESTRICTION - PARKER	C	CONSTRUCTION FUNDING				2049	3390	2
PARKER	C	CONSERVATION, IRRIGATION RESTRICTION - PARKER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2049	3390	3
PARKER	C	CONSERVATION, WATER LOSS CONTROL - PARKER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2049	1006	1
PARKER	C	CONSERVATION, WATER LOSS CONTROL - PARKER	C	CONSTRUCTION FUNDING				2049	1006	2
PARKER	C	CONSERVATION, WATER LOSS CONTROL - PARKER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2049	1006	3
PARKER COUNTY SUD	C	CONSERVATION, WATER LOSS CONTROL - PARKER COUNTY SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$5,000.00	2020		2844	1466	1
PARKER COUNTY SUD	C	CONSERVATION, WATER LOSS CONTROL - PARKER COUNTY SUD	C	CONSTRUCTION FUNDING	\$43,090.00	2020		2844	1466	2
PARKER COUNTY SUD	C	CONSERVATION, WATER LOSS CONTROL - PARKER COUNTY SUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2844	1466	3
PARKER COUNTY SUD	C	PARKER COUNTY SUD - 3.5 MGD WTP DESAL EXPANSION-BRA SUPPL	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$3,652,000.00	2020		2844	927	1
PARKER COUNTY SUD	C	PARKER COUNTY SUD - 3.5 MGD WTP DESAL EXPANSION-BRA SUPPL	C	CONSTRUCTION FUNDING	\$28,656,000.00	2020		2844	927	2
PARKER COUNTY SUD	C	PARKER COUNTY SUD - 3.5 MGD WTP DESAL EXPANSION-BRA SUPPL	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2844	927	3

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PELICAN BAY	C	CONSERVATION, WATER LOSS CONTROL - PELICAN BAY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2060	1469	1
PELICAN BAY	C	CONSERVATION, WATER LOSS CONTROL - PELICAN BAY	C	CONSTRUCTION FUNDING				2060	1469	2
PELICAN BAY	C	CONSERVATION, WATER LOSS CONTROL - PELICAN BAY	C	PERCENT STATE				2060	1469	3
PELICAN BAY	C	CONSERVATION, WATER LOSS CONTROL - PELICAN BAY	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2060	1469	3
PELICAN BAY	C	PELICAN BAY - CONNECT TO AZLE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2060	1125	1
PELICAN BAY	C	PELICAN BAY - CONNECT TO AZLE	C	CONSTRUCTION FUNDING				2060	1125	2
PELICAN BAY	C	PELICAN BAY - CONNECT TO AZLE	C	PERCENT STATE				2060	1125	2
PELICAN BAY	C	PELICAN BAY - CONNECT TO AZLE	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2060	1125	3
PELICAN BAY	C	PELICAN BAY - NEW WELLS IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2068	1470	1
PELICAN BAY	C	PELICAN BAY - NEW WELLS IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING				2068	1470	2
PELICAN BAY	C	PELICAN BAY - NEW WELLS IN TRINITY AQUIFER	C	PERCENT STATE				2068	1470	3
PELICAN BAY	C	PELICAN BAY - NEW WELLS IN TRINITY AQUIFER	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2068	1470	3
PILOT POINT	C	CONSERVATION, WATER LOSS CONTROL - PILOT POINT	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2068	1036	1
PILOT POINT	C	CONSERVATION, WATER LOSS CONTROL - PILOT POINT	C	CONSTRUCTION FUNDING				2068	1036	2
PILOT POINT	C	CONSERVATION, WATER LOSS CONTROL - PILOT POINT	C	PERCENT STATE				2068	1036	2
PILOT POINT	C	CONSERVATION, WATER LOSS CONTROL - PILOT POINT	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2068	1036	3
PILOT POINT	C	PILOT POINT - NEW WELLS IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2068	1036	1
PILOT POINT	C	PILOT POINT - NEW WELLS IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING				2068	1036	2
PILOT POINT	C	PILOT POINT - NEW WELLS IN TRINITY AQUIFER	C	PERCENT STATE				2068	1036	2
PILOT POINT	C	PILOT POINT - NEW WELLS IN TRINITY AQUIFER	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2068	1036	3
PINK HILL WSC	C	CONSERVATION, WATER LOSS CONTROL - PINK HILL WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		13196	2943	1
PINK HILL WSC	C	CONSERVATION, WATER LOSS CONTROL - PINK HILL WSC	C	CONSTRUCTION FUNDING	50.00	N/A		13196	2943	2
PINK HILL WSC	C	CONSERVATION, WATER LOSS CONTROL - PINK HILL WSC	C	PERCENT STATE				13196	2943	2
PINK HILL WSC	C	CONSERVATION, WATER LOSS CONTROL - PINK HILL WSC	C	PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			13196	2943	3
PINK HILL WSC	C	PINK HILL WSC - NEW WELLS IN TRINITY AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		13196	3828	1
PINK HILL WSC	C	PINK HILL WSC - NEW WELLS IN TRINITY AQUIFER	C	CONSTRUCTION FUNDING	50.00	N/A		13196	3828	2
PINK HILL WSC	C	PINK HILL WSC - NEW WELLS IN TRINITY AQUIFER	C	PERCENT STATE				13196	3828	2
PINK HILL WSC	C	PINK HILL WSC - NEW WELLS IN TRINITY AQUIFER	C	PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			13196	3828	3
PINK HILL WSC	C	PINK HILL WSC - NEW WELLS IN WOODBINE AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		13196	3827	1
PINK HILL WSC	C	PINK HILL WSC - NEW WELLS IN WOODBINE AQUIFER	C	CONSTRUCTION FUNDING	50.00	N/A		13196	3827	2
PINK HILL WSC	C	PINK HILL WSC - NEW WELLS IN WOODBINE AQUIFER	C	PERCENT STATE				13196	3827	2
PINK HILL WSC	C	PINK HILL WSC - NEW WELLS IN WOODBINE AQUIFER	C	PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			13196	3827	3
PLANO	C	CONSERVATION, WATER LOSS CONTROL - PLANO	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2076	1471	1
PLANO	C	CONSERVATION, WATER LOSS CONTROL - PLANO	C	CONSTRUCTION FUNDING				2076	1471	2
PLANO	C	CONSERVATION, WATER LOSS CONTROL - PLANO	C	PERCENT STATE				2076	1471	2
PLANO	C	CONSERVATION, WATER LOSS CONTROL - PLANO	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2076	1471	3
PLEASANT GROVE WSC	C	CONSERVATION, WATER LOSS CONTROL - PLEASANT GROVE WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				13197	2944	1
PLEASANT GROVE WSC	C	CONSERVATION, WATER LOSS CONTROL - PLEASANT GROVE WSC	C	CONSTRUCTION FUNDING				13197	2944	2

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PLEASANT GROVE WSC	C	CONSERVATION, WATER LOSS CONTROL - PLEASANT GROVE WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				13197	2944	3
PLEASANT GROVE WSC	C	PLEASANT GROVE WSC - NEW WELLS IN CARRIZO-WILCOX AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				13197	3824	1
PLEASANT GROVE WSC	C	PLEASANT GROVE WSC - NEW WELLS IN CARRIZO-WILCOX AQUIFER	C	CONSTRUCTION FUNDING				13197	3824	2
PLEASANT GROVE WSC	C	PLEASANT GROVE WSC - NEW WELLS IN CARRIZO-WILCOX AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				13197	3824	3
PONDER	C	CONSERVATION, WATER LOSS CONTROL - PONDER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2087	1472	1
PONDER	C	CONSERVATION, WATER LOSS CONTROL - PONDER	C	CONSTRUCTION FUNDING	50.00	N/A		2087	1472	2
PONDER	C	CONSERVATION, WATER LOSS CONTROL - PONDER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2087	1472	3
POTTSBORO	C	CONSERVATION, IRRIGATION RESTRICTION - POTTSBORO	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2098	3392	1
POTTSBORO	C	CONSERVATION, IRRIGATION RESTRICTION - POTTSBORO	C	CONSTRUCTION FUNDING				2098	3392	2
POTTSBORO	C	CONSERVATION, IRRIGATION RESTRICTION - POTTSBORO	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2098	3392	3
POTTSBORO	C	CONSERVATION, WATER LOSS CONTROL - POTTSBORO	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2098	1474	1
POTTSBORO	C	CONSERVATION, WATER LOSS CONTROL - POTTSBORO	C	CONSTRUCTION FUNDING				2098	1474	2
POTTSBORO	C	CONSERVATION, WATER LOSS CONTROL - POTTSBORO	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2098	1474	3
PRINCETON	C	CONSERVATION, WATER LOSS CONTROL - PRINCETON	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2103	1475	1
PRINCETON	C	CONSERVATION, WATER LOSS CONTROL - PRINCETON	C	CONSTRUCTION FUNDING				2103	1475	2
PRINCETON	C	CONSERVATION, WATER LOSS CONTROL - PRINCETON	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2103	1475	3
PROSPER	C	CONSERVATION, WATER LOSS CONTROL - PROSPER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2106	1007	1
PROSPER	C	CONSERVATION, WATER LOSS CONTROL - PROSPER	C	CONSTRUCTION FUNDING				2106	1007	2
PROSPER	C	CONSERVATION, WATER LOSS CONTROL - PROSPER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2106	1007	3
PROSPER	C	PROSPER - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTMWD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2106	1007	1
PROSPER	C	PROSPER - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTMWD	C	CONSTRUCTION FUNDING				2106	1007	2
PROSPER	C	PROSPER - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTMWD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2106	1007	3
PROVIDENCE VILLAGE WCID	C	CONSERVATION, WATER LOSS CONTROL - PROVIDENCE VILLAGE WCID	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2868	1477	1
PROVIDENCE VILLAGE WCID	C	CONSERVATION, WATER LOSS CONTROL - PROVIDENCE VILLAGE WCID	C	CONSTRUCTION FUNDING				2868	1477	2
PROVIDENCE VILLAGE WCID	C	CONSERVATION, WATER LOSS CONTROL - PROVIDENCE VILLAGE WCID	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2868	1477	3
R C H WSC	C	CONSERVATION - WASTE PROHIBITION, R C H WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				13212	3452	1
R C H WSC	C	CONSERVATION - WASTE PROHIBITION, R C H WSC	C	CONSTRUCTION FUNDING				13212	3452	2
R C H WSC	C	CONSERVATION - WASTE PROHIBITION, R C H WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				13212	3452	3

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R C H WSC	C	CONSERVATION, IRRIGATION RESTRICTION - R C H WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				13212	3394	1
R C H WSC	C	CONSERVATION, IRRIGATION RESTRICTION - R C H WSC	C	CONSTRUCTION FUNDING				13212	3394	2
R C H WSC	C	CONSERVATION, IRRIGATION RESTRICTION - R C H WSC	C	PERCENT STATE				13212	3394	3
R C H WSC	C	CONSERVATION, IRRIGATION RESTRICTION - R C H WSC	C	PARTICIPATION IN OWNING EXCESS CAPACITY				13212	3394	3
R C H WSC	C	CONSERVATION, WATER LOSS CONTROL - R C H WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				13212	2948	1
R C H WSC	C	CONSERVATION, WATER LOSS CONTROL - R C H WSC	C	CONSTRUCTION FUNDING				13212	2948	2
R C H WSC	C	CONSERVATION, WATER LOSS CONTROL - R C H WSC	C	PERCENT STATE				13212	2948	2
R C H WSC	C	CONSERVATION, WATER LOSS CONTROL - R C H WSC	C	PARTICIPATION IN OWNING EXCESS CAPACITY				13212	2948	3
RENO (Parker)	C	CONSERVATION, WATER LOSS CONTROL - RENO	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2486	1479	1
RENO (Parker)	C	CONSERVATION, WATER LOSS CONTROL - RENO	C	CONSTRUCTION FUNDING				2486	1479	2
RENO (Parker)	C	CONSERVATION, WATER LOSS CONTROL - RENO	C	PERCENT STATE				2486	1479	3
RHOMIE	C	CONSERVATION, WATER LOSS CONTROL - RHOMIE	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2125	3395	1
RHOMIE	C	CONSERVATION, WATER LOSS CONTROL - RHOMIE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2125	3395	2
RHOMIE	C	CONSERVATION, WATER LOSS CONTROL - RHOMIE	C	CONSTRUCTION FUNDING	50.00	N/A		2125	3395	2
RHOMIE	C	CONSERVATION, WATER LOSS CONTROL - RHOMIE	C	PERCENT STATE				2125	3395	3
RICE WATER SUPPLY AND SEW	C	CONSERVATION, WATER LOSS CONTROL - RICE WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2128	1482	1
RICE WATER SUPPLY AND SEW	C	CONSERVATION, WATER LOSS CONTROL - RICE WSC	C	CONSTRUCTION FUNDING				2128	1482	2
RICE WATER SUPPLY AND SEW	C	CONSERVATION, WATER LOSS CONTROL - RICE WSC	C	PERCENT STATE				2128	1482	2
RICE WATER SUPPLY AND SEW	C	CONSERVATION, WATER LOSS CONTROL - RICE WSC	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2128	1482	3
RICE WATER SUPPLY AND SEW	C	CONSERVATION, WATER LOSS CONTROL - RICE WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2128	1044	1
RICE WATER SUPPLY AND SEW	C	CONSERVATION, WATER LOSS CONTROL - RICE WSC	C	CONSTRUCTION FUNDING				2128	1044	2
RICE WATER SUPPLY AND SEW	C	CONSERVATION, WATER LOSS CONTROL - RICE WSC	C	PERCENT STATE				2128	1044	2
RICE WATER SUPPLY AND SEW	C	CONSERVATION, WATER LOSS CONTROL - RICE WSC	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2128	1044	3
RICHARDSON	C	CONSERVATION, WATER LOSS CONTROL - RICHARDSON	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2129	1483	1
RICHARDSON	C	CONSERVATION, WATER LOSS CONTROL - RICHARDSON	C	CONSTRUCTION FUNDING				2129	1483	2
RICHARDSON	C	CONSERVATION, WATER LOSS CONTROL - RICHARDSON	C	PERCENT STATE				2129	1483	3
RICHARDSON	C	CONSERVATION, WATER LOSS CONTROL - RICHARDSON	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2129	1483	3
RICHLAND HILLS	C	CONSERVATION, WATER LOSS CONTROL - RICHLAND HILLS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2130	1484	1
RICHLAND HILLS	C	CONSERVATION, WATER LOSS CONTROL - RICHLAND HILLS	C	CONSTRUCTION FUNDING				2130	1484	2
RICHLAND HILLS	C	CONSERVATION, WATER LOSS CONTROL - RICHLAND HILLS	C	PERCENT STATE				2130	1484	2
RICHLAND HILLS	C	CONSERVATION, WATER LOSS CONTROL - RICHLAND HILLS	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2130	1484	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IRElementName	IRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
RICHLAND HILLS	C	CONSERVATION, WATER LOSS CONTROL - RICHLAND HILLS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2130	1484	3
RIVER OAKS	C	CONSERVATION, WATER LOSS CONTROL - RIVER OAKS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2142	1485	1
RIVER OAKS	C	CONSERVATION, WATER LOSS CONTROL - RIVER OAKS	C	CONSTRUCTION FUNDING				2142	1485	2
RIVER OAKS	C	CONSERVATION, WATER LOSS CONTROL - RIVER OAKS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2142	1485	3
ROANOKE	C	CONSERVATION - WASTE PROHIBITION, ROANOKE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2145	3453	1
ROANOKE	C	CONSERVATION - WASTE PROHIBITION, ROANOKE	C	CONSTRUCTION FUNDING				2145	3453	2
ROANOKE	C	CONSERVATION - WASTE PROHIBITION, ROANOKE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2145	3453	3
ROANOKE	C	CONSERVATION, IRRIGATION RESTRICTION - ROANOKE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2145	1589	1
ROANOKE	C	CONSERVATION, IRRIGATION RESTRICTION - ROANOKE	C	CONSTRUCTION FUNDING				2145	1589	2
ROANOKE	C	CONSERVATION, IRRIGATION RESTRICTION - ROANOKE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2145	1589	3
ROANOKE	C	CONSERVATION, WATER LOSS CONTROL - ROANOKE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2145	1486	1
ROANOKE	C	CONSERVATION, WATER LOSS CONTROL - ROANOKE	C	CONSTRUCTION FUNDING				2145	1486	2
ROANOKE	C	CONSERVATION, WATER LOSS CONTROL - ROANOKE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2145	1486	3
ROCKETT SUD	C	CONSERVATION, WATER LOSS CONTROL - ROCKETT SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		112	1487	1
ROCKETT SUD	C	CONSERVATION, WATER LOSS CONTROL - ROCKETT SUD	C	CONSTRUCTION FUNDING	50.00	N/A		112	1487	2
ROCKETT SUD	C	CONSERVATION, WATER LOSS CONTROL - ROCKETT SUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			112	1487	3
ROCKETT SUD	C	CONSERVATION, WATER LOSS CONTROL - ROCKETT SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				112	1487	1
ROCKETT SUD	C	ROCKETT SUD - 4 MGD WTP EXPANSION AT SOKOLL-1	C	CONSTRUCTION FUNDING	50.00	N/A		112	928	1
ROCKETT SUD	C	ROCKETT SUD - 10 MGD WTP EXPANSION AT SOKOLL-1	C	CONSTRUCTION FUNDING	50.00	N/A		112	928	2
ROCKETT SUD	C	ROCKETT SUD - 10 MGD WTP EXPANSION AT SOKOLL-1	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			112	928	3
ROCKETT SUD	C	ROCKETT SUD - 10 MGD WTP EXPANSION AT SOKOLL-2	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		112	929	1
ROCKETT SUD	C	ROCKETT SUD - 10 MGD WTP EXPANSION AT SOKOLL-2	C	CONSTRUCTION FUNDING	50.00	N/A		112	929	2
ROCKETT SUD	C	ROCKETT SUD - 10 MGD WTP EXPANSION AT SOKOLL-2	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			112	929	3
ROCKETT SUD	C	ROCKETT SUD - 4 MGD WTP EXPANSION AT SOKOLL	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		112	930	1
ROCKETT SUD	C	ROCKETT SUD - 4 MGD WTP EXPANSION AT SOKOLL	C	CONSTRUCTION FUNDING	50.00	N/A		112	930	2
ROCKETT SUD	C	ROCKETT SUD - 4 MGD WTP EXPANSION AT SOKOLL	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			112	930	3
ROCKWALL	C	CONSERVATION, WATER LOSS CONTROL - ROCKWALL	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		113	1488	1
ROCKWALL	C	CONSERVATION, WATER LOSS CONTROL - ROCKWALL	C	CONSTRUCTION FUNDING	50.00	N/A		113	1488	2
ROCKWALL	C	CONSERVATION, WATER LOSS CONTROL - ROCKWALL	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			113	1488	3

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ROCKWALL	C	ROCKWALL - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTWMC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		113	1113	1
ROCKWALL	C	ROCKWALL - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTWMC	C	CONSTRUCTION FUNDING	50.00	N/A		113	1113	2
ROCKWALL	C	ROCKWALL - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTWMC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			113	1113	3
ROSE HILL SUD	C	ROSE HILL SUD CONSERVATION, WATER LOSS CONTROL - ROSE HILL SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2847	1489	1
ROSE HILL SUD	C	ROSE HILL SUD CONSERVATION, WATER LOSS CONTROL - ROSE HILL SUD	C	CONSTRUCTION FUNDING	50.00	N/A		2847	1489	2
ROSE HILL SUD	C	ROSE HILL SUD CONSERVATION, WATER LOSS CONTROL - ROSE HILL SUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2847	1489	3
ROWLETT	C	ROWLETT - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTWMC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	2162			2162	1490	1
ROWLETT	C	ROWLETT - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTWMC	C	CONSTRUCTION FUNDING	2162			2162	1490	2
ROWLETT	C	ROWLETT - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTWMC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	2162			2162	1490	3
ROYSE CITY	C	ROYSE CITY CONSERVATION, WATER LOSS CONTROL - ROYSE CITY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	2164			2164	1491	1
ROYSE CITY	C	ROYSE CITY CONSERVATION, WATER LOSS CONTROL - ROYSE CITY	C	CONSTRUCTION FUNDING	2164			2164	1491	2
ROYSE CITY	C	ROYSE CITY CONSERVATION, WATER LOSS CONTROL - ROYSE CITY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	2164			2164	1491	3
RUNAWAY BAY	C	RUNAWAY BAY CONSERVATION, IRRIGATION RESTRICTION - RUNAWAY BAY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	2166			2166	3399	1
RUNAWAY BAY	C	RUNAWAY BAY CONSERVATION, IRRIGATION RESTRICTION - RUNAWAY BAY	C	CONSTRUCTION FUNDING	2166			2166	3399	2
RUNAWAY BAY	C	RUNAWAY BAY CONSERVATION, IRRIGATION RESTRICTION - RUNAWAY BAY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	2166			2166	3399	3
RUNAWAY BAY	C	RUNAWAY BAY CONSERVATION, WATER LOSS CONTROL - RUNAWAY BAY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	2166			2166	1492	1
RUNAWAY BAY	C	RUNAWAY BAY CONSERVATION, WATER LOSS CONTROL - RUNAWAY BAY	C	CONSTRUCTION FUNDING	2166			2166	1492	2
RUNAWAY BAY	C	RUNAWAY BAY CONSERVATION, WATER LOSS CONTROL - RUNAWAY BAY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	2166			2166	1492	3
RUNAWAY BAY	C	RUNAWAY BAY - 3 MGD WTP EXPANSION-1	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	2166			2166	932	1
RUNAWAY BAY	C	RUNAWAY BAY - 3 MGD WTP EXPANSION-1	C	CONSTRUCTION FUNDING	2166			2166	932	2
RUNAWAY BAY	C	RUNAWAY BAY - 3 MGD WTP EXPANSION-1	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	2166			2166	932	3
RUNAWAY BAY	C	RUNAWAY BAY - 3 MGD WTP EXPANSION-2	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	2166			2166	4024	1
RUNAWAY BAY	C	RUNAWAY BAY - 3 MGD WTP EXPANSION-2	C	CONSTRUCTION FUNDING	2166			2166	4024	2
RUNAWAY BAY	C	RUNAWAY BAY - 3 MGD WTP EXPANSION-2	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	2166			2166	4024	3
RUNAWAY BAY	C	RUNAWAY BAY - INCREASE CAPACITY OF LAKE INTAKE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	2166			2166	1137	1
RUNAWAY BAY	C	RUNAWAY BAY - INCREASE CAPACITY OF LAKE INTAKE	C	CONSTRUCTION FUNDING	2166			2166	1137	2

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RUNAWAY BAY	C	RUNAWAY BAY - INCREASE CAPACITY OF LAKE INTAKE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2166	1137	3
SACHSE	C	CONSERVATION, WATER LOSS CONTROL - SACHSE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2171	1493	1
SACHSE	C	CONSERVATION, WATER LOSS CONTROL - SACHSE	C	CONSTRUCTION FUNDING				2171	1493	2
SACHSE	C	CONSERVATION, WATER LOSS CONTROL - SACHSE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2171	1493	3
SAGINAW	C	CONSERVATION, WATER LOSS CONTROL - SAGINAW	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2172	1494	1
SAGINAW	C	CONSERVATION, WATER LOSS CONTROL - SAGINAW	C	CONSTRUCTION FUNDING	50.00	N/A		2172	1494	2
SAGINAW	C	CONSERVATION, WATER LOSS CONTROL - SAGINAW	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2172	1494	3
SANGER	C	CONSERVATION, WATER LOSS CONTROL - SANGER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2184	1495	1
SANGER	C	CONSERVATION, WATER LOSS CONTROL - SANGER	C	CONSTRUCTION FUNDING	50.00	N/A		2184	1495	2
SANGER	C	CONSERVATION, WATER LOSS CONTROL - SANGER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2184	1495	3
SANSOM PARK	C	CONSERVATION, WATER LOSS CONTROL - SANSOM PARK	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2591	1496	1
SANSOM PARK	C	CONSERVATION, WATER LOSS CONTROL - SANSOM PARK	C	CONSTRUCTION FUNDING	50.00	N/A		2591	1496	2
SANSOM PARK	C	CONSERVATION, WATER LOSS CONTROL - SANSOM PARK	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2591	1496	3
SARDIS LONE ELM WSC	C	CONSERVATION, IRRIGATION RESTRICTION - SARDIS LONE ELM WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2189	3403	1
SARDIS LONE ELM WSC	C	CONSERVATION, IRRIGATION RESTRICTION - SARDIS LONE ELM WSC	C	CONSTRUCTION FUNDING				2189	3403	2
SARDIS LONE ELM WSC	C	CONSERVATION, IRRIGATION RESTRICTION - SARDIS LONE ELM WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2189	3403	3
SARDIS LONE ELM WSC	C	CONSERVATION, WATER LOSS CONTROL - SARDIS LONE ELM WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2189	1047	1
SARDIS LONE ELM WSC	C	CONSERVATION, WATER LOSS CONTROL - SARDIS LONE ELM WSC	C	CONSTRUCTION FUNDING				2189	1047	2
SARDIS LONE ELM WSC	C	CONSERVATION, WATER LOSS CONTROL - SARDIS LONE ELM WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2189	1047	3
SEAGOVILLE	C	CONSERVATION, WATER LOSS CONTROL - SEAGOVILLE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				121	1500	1
SEAGOVILLE	C	CONSERVATION, WATER LOSS CONTROL - SEAGOVILLE	C	CONSTRUCTION FUNDING				121	1500	2
SEAGOVILLE	C	CONSERVATION, WATER LOSS CONTROL - SEAGOVILLE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				121	1500	3
SEIS LAGOS UD	C	CONSERVATION, IRRIGATION RESTRICTION - SEIS LAGOS UD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2872	3404	1
SEIS LAGOS UD	C	CONSERVATION, IRRIGATION RESTRICTION - SEIS LAGOS UD	C	CONSTRUCTION FUNDING				2872	3404	2
SEIS LAGOS UD	C	CONSERVATION, IRRIGATION RESTRICTION - SEIS LAGOS UD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2872	3404	3

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SEIS LAGOS UD	C	CONSERVATION, WATER LOSS CONTROL - SEIS LAGOS UD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2872	1501	1
SEIS LAGOS UD	C	CONSERVATION, WATER LOSS CONTROL - SEIS LAGOS UD	C	CONSTRUCTION FUNDING				2872	1501	2
SEIS LAGOS UD	C	CONSERVATION, WATER LOSS CONTROL - SEIS LAGOS UD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2872	1501	3
SHERMAN	C	CONSERVATION, IRRIGATION RESTRICTION - SHERMAN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		2210	3405	1
SHERMAN	C	CONSERVATION, IRRIGATION RESTRICTION - SHERMAN	C	CONSTRUCTION FUNDING	\$0.00	N/A		2210	3405	2
SHERMAN	C	CONSERVATION, IRRIGATION RESTRICTION - SHERMAN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2210	3405	3
SHERMAN	C	CONSERVATION, WATER LOSS CONTROL - SHERMAN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		2210	933	1
SHERMAN	C	CONSERVATION, WATER LOSS CONTROL - SHERMAN	C	CONSTRUCTION FUNDING	\$0.00	N/A		2210	933	2
SHERMAN	C	CONSERVATION, WATER LOSS CONTROL - SHERMAN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2210	933	3
SHERMAN	C	SHERMAN - 10 MGD WTP EXPANSION (DESAL)-1	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		2210	934	1
SHERMAN	C	SHERMAN - 10 MGD WTP EXPANSION (DESAL)-1	C	CONSTRUCTION FUNDING	\$0.00	N/A		2210	934	2
SHERMAN	C	SHERMAN - 10 MGD WTP EXPANSION (DESAL)-1	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2210	934	3
SHERMAN	C	SHERMAN - 10 MGD WTP EXPANSION (DESAL)-2	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		2210	934	1
SHERMAN	C	SHERMAN - 10 MGD WTP EXPANSION (DESAL)-2	C	CONSTRUCTION FUNDING	\$0.00	N/A		2210	934	2
SHERMAN	C	SHERMAN - 10 MGD WTP EXPANSION (DESAL)-2	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2210	934	3
SHERMAN	C	SHERMAN - 10 MGD WTP EXPANSION (DESAL)-3	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		2210	855	1
SHERMAN	C	SHERMAN - 10 MGD WTP EXPANSION (DESAL)-3	C	CONSTRUCTION FUNDING	\$0.00	N/A		2210	855	2
SHERMAN	C	SHERMAN - 10 MGD WTP EXPANSION (DESAL)-3	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2210	855	3
SHERMAN	C	SHERMAN - 20 MGD WTP EXPANSION (DESAL)	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		2210	4078	1
SHERMAN	C	SHERMAN - 20 MGD WTP EXPANSION (DESAL)	C	CONSTRUCTION FUNDING	\$0.00	N/A		2210	4078	2
SHERMAN	C	SHERMAN - 20 MGD WTP EXPANSION (DESAL)	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2210	4078	3
SOUTH ELLIS COUNTY WSC	C	CONSERVATION, IRRIGATION RESTRICTION - SOUTH ELLIS COUNTY WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		13243	3406	1
SOUTH ELLIS COUNTY WSC	C	CONSERVATION, IRRIGATION RESTRICTION - SOUTH ELLIS COUNTY WSC	C	CONSTRUCTION FUNDING	\$0.00	N/A		13243	3406	2
SOUTH ELLIS COUNTY WSC	C	CONSERVATION, IRRIGATION RESTRICTION - SOUTH ELLIS COUNTY WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			13243	3406	3
SOUTH ELLIS COUNTY WSC	C	CONSERVATION, WATER LOSS CONSERVATION - SOUTH ELLIS COUNTY WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		13243	2951	1
SOUTH ELLIS COUNTY WSC	C	CONSERVATION, WATER LOSS CONSERVATION - SOUTH ELLIS COUNTY WSC	C	CONSTRUCTION FUNDING	\$0.00	N/A		13243	2951	2
SOUTH ELLIS COUNTY WSC	C	CONSERVATION, WATER LOSS CONSERVATION - SOUTH ELLIS COUNTY WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			13243	2951	3
SOUTH FREESTONE COUNTY WSC	C	CONSERVATION, WATER LOSS CONTROL - SOUTH FREESTONE COUNTY WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		13244	2952	1
SOUTH FREESTONE COUNTY WSC	C	CONSERVATION, WATER LOSS CONTROL - SOUTH FREESTONE COUNTY WSC	C	CONSTRUCTION FUNDING	\$0.00	N/A		13244	2952	2

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SOUTH FREESTONE COUNTY	C	CONSERVATION, WATER LOSS CONTROL - SOUTH FREESTONE COUNT	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			13244	2952	3
SOUTH FREESTONE COUNTY	C	SOUTH FREESTONE COUNTY WSC - NEW WELL(S) IN CARRIZO-WILCO	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		13244	3825	1
SOUTH FREESTONE COUNTY	C	SOUTH FREESTONE COUNTY WSC - NEW WELL(S) IN CARRIZO-WILCO	C	CONSTRUCTION FUNDING	50.00	N/A		13244	3825	2
SOUTH FREESTONE COUNTY	C	SOUTH FREESTONE COUNTY WSC - NEW WELL(S) IN CARRIZO-WILCO	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			13244	3825	3
SOUTH GRAYSON SUD	C	CONSERVATION, WATER LOSS CONTROL - SOUTH GRAYSON WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2227	1505	1
SOUTH GRAYSON SUD	C	CONSERVATION, WATER LOSS CONTROL - SOUTH GRAYSON WSC	C	CONSTRUCTION FUNDING	50.00	N/A		2227	1505	2
SOUTH GRAYSON SUD	C	CONSERVATION, WATER LOSS CONTROL - SOUTH GRAYSON WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2227	1505	3
SOUTH LAKE	C	CONSERVATION, WATER LOSS CONTROL - SOUTH LAKE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2234	1506	1
SOUTH LAKE	C	CONSERVATION, WATER LOSS CONTROL - SOUTH LAKE	C	CONSTRUCTION FUNDING	50.00	N/A		2234	1506	2
SOUTH LAKE	C	CONSERVATION, WATER LOSS CONTROL - SOUTH LAKE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2234	1506	3
SOUTH LAKE	C	SOUTH LAKE - ADDITIONAL DELIVERY INFRASTRUCTURE FORT WORTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2234	1126	1
SOUTH LAKE	C	SOUTH LAKE - ADDITIONAL DELIVERY INFRASTRUCTURE FORT WORTH	C	CONSTRUCTION FUNDING	50.00	N/A		2234	1126	2
SOUTH LAKE	C	SOUTH LAKE - ADDITIONAL DELIVERY INFRASTRUCTURE FORT WORTH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2234	1126	3
SOUTH MAYD	C	CONSERVATION, WATER LOSS CONTROL - SOUTH MAYD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2235	1507	1
SOUTH MAYD	C	CONSERVATION, WATER LOSS CONTROL - SOUTH MAYD	C	CONSTRUCTION FUNDING				2235	1507	2
SOUTH MAYD	C	CONSERVATION, WATER LOSS CONTROL - SOUTH MAYD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2235	1507	3
SOUTHWEST FANNIN COUNTY	C	CONSERVATION, WATER LOSS CONTROL - SOUTHWEST FANNIN COU	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2237	1508	1
SOUTHWEST FANNIN COUNTY	C	CONSERVATION, WATER LOSS CONTROL - SOUTHWEST FANNIN COU	C	CONSTRUCTION FUNDING	50.00	N/A		2237	1508	2
SOUTHWEST FANNIN COUNTY	C	CONSERVATION, WATER LOSS CONTROL - SOUTHWEST FANNIN COU	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2237	1508	3
SOUTHWEST FANNIN COUNTY	C	SOUTHWEST FANNIN CO SUD - NEW WELL(S) IN WOODBINE AQUIFE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2237	1060	1
SOUTHWEST FANNIN COUNTY	C	SOUTHWEST FANNIN CO SUD - NEW WELL(S) IN WOODBINE AQUIFE	C	CONSTRUCTION FUNDING	50.00	N/A		2237	1060	2
SOUTHWEST FANNIN COUNTY	C	SOUTHWEST FANNIN CO SUD - NEW WELL(S) IN WOODBINE AQUIFE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2237	1060	3
SPRINGTOWN	C	CONSERVATION, IRRIGATION RESTRICTION - SPRINGTOWN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2243	3408	1
SPRINGTOWN	C	CONSERVATION, IRRIGATION RESTRICTION - SPRINGTOWN	C	CONSTRUCTION FUNDING				2243	3408	2
SPRINGTOWN	C	CONSERVATION, IRRIGATION RESTRICTION - SPRINGTOWN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2243	3408	3
SPRINGTOWN	C	CONSERVATION, WATER LOSS CONTROL - SPRINGTOWN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2243	1509	1
SPRINGTOWN	C	CONSERVATION, WATER LOSS CONTROL - SPRINGTOWN	C	CONSTRUCTION FUNDING				2243	1509	2
SPRINGTOWN	C	CONSERVATION, WATER LOSS CONTROL - SPRINGTOWN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2243	1509	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IRElementName	IRElementValue	YearOfNeed	IFRProjectDataId	EntityUpId	WMSProjectId	IFRProjectElementsId
SPRINGTOWN	C	SPRINGTOWN - INFRASTRUCTURE IMPROVEMENTS - SURFACE WATER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2243	1105	1
SPRINGTOWN	C	SPRINGTOWN - INFRASTRUCTURE IMPROVEMENTS - SURFACE WATER	C	CONSTRUCTION FUNDING				2243	1105	2
SPRINGTOWN	C	SPRINGTOWN - INFRASTRUCTURE IMPROVEMENTS - SURFACE WATER	C	PERCENT STATE						
SPRINGTOWN	C	SPRINGTOWN - INFRASTRUCTURE IMPROVEMENTS - SURFACE WATER	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2243	1105	3
STARR WSC	C	CONSERVATION, WATER LOSS CONTROL - STARR WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		13257	2953	1
STARR WSC	C	CONSERVATION, WATER LOSS CONTROL - STARR WSC	C	CONSTRUCTION FUNDING	\$0.00	N/A		13257	2953	2
STARR WSC	C	CONSERVATION, WATER LOSS CONTROL - STARR WSC	C	PERCENT STATE						
STARR WSC	C	CONSERVATION, WATER LOSS CONTROL - STARR WSC	C	PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			13257	2953	3
STEAM ELECTRIC POWER, T&E	C	SEP, TARRANT - REUSE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2318	1127	1
STEAM ELECTRIC POWER, T&E	C	SEP, TARRANT - REUSE	C	CONSTRUCTION FUNDING				2318	1127	2
STEAM ELECTRIC POWER, T&E	C	SEP, TARRANT - REUSE	C	PERCENT STATE						
STEAM ELECTRIC POWER, T&E	C	SEP, TARRANT - REUSE	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2318	1127	3
SUNNYVALE	C	CONSERVATION, IRRIGATION RESTRICTION - SUNNYVALE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2344	3409	1
SUNNYVALE	C	CONSERVATION, IRRIGATION RESTRICTION - SUNNYVALE	C	CONSTRUCTION FUNDING				2344	3409	2
SUNNYVALE	C	CONSERVATION, IRRIGATION RESTRICTION - SUNNYVALE	C	PERCENT STATE						
SUNNYVALE	C	CONSERVATION, IRRIGATION RESTRICTION - SUNNYVALE	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2344	3409	3
SUNNYVALE	C	CONSERVATION, WATER LOSS CONTROL - SUNNYVALE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2344	1511	1
SUNNYVALE	C	CONSERVATION, WATER LOSS CONTROL - SUNNYVALE	C	CONSTRUCTION FUNDING				2344	1511	2
SUNNYVALE	C	CONSERVATION, WATER LOSS CONTROL - SUNNYVALE	C	PERCENT STATE						
SUNNYVALE	C	CONSERVATION, WATER LOSS CONTROL - SUNNYVALE	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2344	1511	3
SUNNYVALE	C	SUNNYVALE - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTM&C	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2344	1023	1
SUNNYVALE	C	SUNNYVALE - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTM&C	C	CONSTRUCTION FUNDING				2344	1023	2
SUNNYVALE	C	SUNNYVALE - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTM&C	C	PERCENT STATE						
SUNNYVALE	C	SUNNYVALE - ADDITIONAL DELIVERY INFRASTRUCTURE FROM NTM&C	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2344	1023	3
TALTY SUD	C	CONSERVATION, IRRIGATION RESTRICTION - TALTY SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2853	3410	1
TALTY SUD	C	CONSERVATION, IRRIGATION RESTRICTION - TALTY SUD	C	CONSTRUCTION FUNDING				2853	3410	2
TALTY SUD	C	CONSERVATION, IRRIGATION RESTRICTION - TALTY SUD	C	PERCENT STATE						
TALTY SUD	C	CONSERVATION, IRRIGATION RESTRICTION - TALTY SUD	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2853	3410	3
TALTY SUD	C	CONSERVATION, WATER LOSS CONTROL - TALTY WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2853	1513	1
TALTY SUD	C	CONSERVATION, WATER LOSS CONTROL - TALTY WSC	C	CONSTRUCTION FUNDING				2853	1513	2
TALTY SUD	C	CONSERVATION, WATER LOSS CONTROL - TALTY WSC	C	PERCENT STATE						
TALTY SUD	C	CONSERVATION, WATER LOSS CONTROL - TALTY WSC	C	PARTICIPATION IN OWNING EXCESS CAPACITY				2853	1513	3
TARRANT REGIONAL WD	C	MARVIN NICHOLS (B28) - TRWD, NTM&C, UTRWD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$612,017,259.00	2030		129	835	1
TARRANT REGIONAL WD	C	MARVIN NICHOLS (B28) - TRWD, NTM&C, UTRWD	C	CONSTRUCTION FUNDING	\$1,748,620,741.00	2040		129	835	2
TARRANT REGIONAL WD	C	MARVIN NICHOLS (B28) - TRWD, NTM&C, UTRWD	C	PERCENT STATE						
TARRANT REGIONAL WD	C	MARVIN NICHOLS (B28) - TRWD, NTM&C, UTRWD	C	PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			129	835	3
TARRANT REGIONAL WD	C	TRWD - ADDITIONAL CAPACITY TO CONVEY RICHARD CHAMBERS R/C	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	2020		129	4107	1
TARRANT REGIONAL WD	C	TRWD - ADDITIONAL CAPACITY TO CONVEY RICHARD CHAMBERS R/C	C	CONSTRUCTION FUNDING	\$507,733,000.00	2030		129	4107	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
TARRANT REGIONAL WD	C	TRWD - ADDITIONAL CAPACITY TO CONVEY RICHLAND CHAMBERS RC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			129	4107	3
TARRANT REGIONAL WD	C	TRWD - ADDITIONAL TRANSMISSION PIPELINE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$407,424,231.00	2045		129	978	1
TARRANT REGIONAL WD	C	TRWD - ADDITIONAL TRANSMISSION PIPELINE	C	CONSTRUCTION FUNDING	\$1,358,080,769.00	2050		129	978	2
TARRANT REGIONAL WD	C	TRWD - ADDITIONAL TRANSMISSION PIPELINE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			129	978	3
TARRANT REGIONAL WD	C	TRWD - ASR PILOT	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$3,291,692.00	In Progress		129	3841	1
TARRANT REGIONAL WD	C	TRWD - ASR PILOT	C	CONSTRUCTION FUNDING	\$10,972,308.00	2025		129	3841	2
TARRANT REGIONAL WD	C	TRWD - ASR PILOT	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			129	3841	3
TARRANT REGIONAL WD	C	TRWD - CARRIZO-WILCOX GROUNDWATER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$44,185,154.00	2030		129	3842	1
TARRANT REGIONAL WD	C	TRWD - CARRIZO-WILCOX GROUNDWATER	C	CONSTRUCTION FUNDING	\$147,283,846.00	2035		129	3842	2
TARRANT REGIONAL WD	C	TRWD - CARRIZO-WILCOX GROUNDWATER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			129	3842	3
TARRANT REGIONAL WD	C	TRWD - CEDAR CREEK WETLANDS REUSE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$52,227,231.00	2023		129	979	1
TARRANT REGIONAL WD	C	TRWD - CEDAR CREEK WETLANDS REUSE	C	CONSTRUCTION FUNDING	\$174,090,769.00	2026		129	979	2
TARRANT REGIONAL WD	C	TRWD - CEDAR CREEK WETLANDS REUSE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			129	979	3
TARRANT REGIONAL WD	C	TRWD - REUSE FROM TRA CENTRAL WWTP	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	2030		129	3843	1
TARRANT REGIONAL WD	C	TRWD - REUSE FROM TRA CENTRAL WWTP	C	CONSTRUCTION FUNDING	\$154,205,000.00	2040		129	3843	2
TARRANT REGIONAL WD	C	TRWD - REUSE FROM TRA CENTRAL WWTP	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			129	3843	3
TARRANT REGIONAL WD	C	TRWD - TEHUACANA RESERVOIR	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$84,380,593.00	2025		129	980	1
TARRANT REGIONAL WD	C	TRWD - TEHUACANA RESERVOIR	C	CONSTRUCTION FUNDING	\$241,087,407.00	2030		129	980	2
TARRANT REGIONAL WD	C	TRWD - TEHUACANA RESERVOIR	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			129	980	3
TARRANT REGIONAL WD	C	WRIGHT PATMAN REALLOCATION NTMWD, TRWD, AND UTRWD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$250,000,000.00	2040		129	3862	1
TARRANT REGIONAL WD	C	WRIGHT PATMAN REALLOCATION NTMWD, TRWD, AND UTRWD	C	CONSTRUCTION FUNDING	\$515,040,000.00	2060		129	3862	2
TARRANT REGIONAL WD	C	WRIGHT PATMAN REALLOCATION NTMWD, TRWD, AND UTRWD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			129	3862	3
TEAGUE	C	CONSERVATION, IRRIGATION RESTRICTION - TEAGUE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2357	3411	1
TEAGUE	C	CONSERVATION, IRRIGATION RESTRICTION - TEAGUE	C	CONSTRUCTION FUNDING				2357	3411	2
TEAGUE	C	CONSERVATION, IRRIGATION RESTRICTION - TEAGUE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2357	3411	3
TEAGUE	C	CONSERVATION, WATER LOSS CONTROL - TEAGUE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2357	1514	1
TEAGUE	C	CONSERVATION, WATER LOSS CONTROL - TEAGUE	C	CONSTRUCTION FUNDING				2357	1514	2
TEAGUE	C	CONSERVATION, WATER LOSS CONTROL - TEAGUE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2357	1514	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
TEAGUE	C	TEAGUE - NEW WELLS IN CARRIZO-WILCOX AQUIFER Q-135	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2357	1065	1
TEAGUE	C	TEAGUE - NEW WELLS IN CARRIZO-WILCOX AQUIFER Q-135	C	CONSTRUCTION FUNDING				2357	1065	2
TEAGUE	C	TEAGUE - NEW WELLS IN CARRIZO-WILCOX AQUIFER Q-135	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2357	1065	3
TERRELL	C	CONSERVATION, IRRIGATION RESTRICTION - TERRELL	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		130	3412	1
TERRELL	C	CONSERVATION, IRRIGATION RESTRICTION - TERRELL	C	CONSTRUCTION FUNDING	\$0.00	N/A		130	3412	2
TERRELL	C	CONSERVATION, IRRIGATION RESTRICTION - TERRELL	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			130	3412	3
TERRELL	C	CONSERVATION, WATER LOSS CONTROL - TERRELL	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00			130	1515	1
TERRELL	C	CONSERVATION, WATER LOSS CONTROL - TERRELL	C	CONSTRUCTION FUNDING	\$0.00			130	1515	2
TERRELL	C	CONSERVATION, WATER LOSS CONTROL - TERRELL	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			130	1515	3
TERRELL	C	TERRELL - GROUND STORAGE TANK AND PUMP STATION AT NTWMD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$500,000.00	2021		130	1087	1
TERRELL	C	TERRELL - GROUND STORAGE TANK AND PUMP STATION AT NTWMD	C	CONSTRUCTION FUNDING	\$3,000,000.00	2021		130	1087	2
TERRELL	C	TERRELL - GROUND STORAGE TANK AND PUMP STATION AT NTWMD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			130	1087	3
TERRELL	C	TERRELL - INFRASTRUCTURE IMPROVEMENTS TO WHOLESALE CUSTIC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		130	1088	1
TERRELL	C	TERRELL - INFRASTRUCTURE IMPROVEMENTS TO WHOLESALE CUSTIC	C	CONSTRUCTION FUNDING	\$0.00	N/A		130	1088	2
TERRELL	C	TERRELL - INFRASTRUCTURE IMPROVEMENTS TO WHOLESALE CUSTIC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			130	1088	3
THE COLONY	C	CONSERVATION, WATER LOSS CONTROL - THE COLONY	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2363	1516	1
THE COLONY	C	CONSERVATION, WATER LOSS CONTROL - THE COLONY	C	CONSTRUCTION FUNDING				2363	1516	2
THE COLONY	C	CONSERVATION, WATER LOSS CONTROL - THE COLONY	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2363	1516	3
TIOGA	C	CONSERVATION, WATER LOSS CONTROL - TIOGA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2373	1517	1
TIOGA	C	CONSERVATION, WATER LOSS CONTROL - TIOGA	C	CONSTRUCTION FUNDING				2373	1517	2
TIOGA	C	CONSERVATION, WATER LOSS CONTROL - TIOGA	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2373	1517	3
TOM BEAN	C	CONSERVATION, IRRIGATION RESTRICTION - TOM BEAN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		2375	3413	1
TOM BEAN	C	CONSERVATION, IRRIGATION RESTRICTION - TOM BEAN	C	CONSTRUCTION FUNDING	\$0.00	N/A		2375	3413	2
TOM BEAN	C	CONSERVATION, IRRIGATION RESTRICTION - TOM BEAN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2375	3413	3
TOM BEAN	C	CONSERVATION, WATER LOSS CONTROL - TOM BEAN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00			2375	1518	1
TOM BEAN	C	CONSERVATION, WATER LOSS CONTROL - TOM BEAN	C	CONSTRUCTION FUNDING	\$0.00			2375	1518	2
TOM BEAN	C	CONSERVATION, WATER LOSS CONTROL - TOM BEAN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2375	1518	3
TRENTON	C	CONSERVATION, IRRIGATION RESTRICTION - TRENTON	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2383	3414	1
TRENTON	C	CONSERVATION, IRRIGATION RESTRICTION - TRENTON	C	CONSTRUCTION FUNDING				2383	3414	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityWpid	WMSProjectId	IFRProjectElementsId
TRENTON	C	CONSERVATION, IRRIGATION RESTRICTION - TRENTON	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2383	3414	3
TRENTON	C	CONSERVATION, WATER LOSS CONTROL - TRENTON	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2383	1520	1
TRENTON	C	CONSERVATION, WATER LOSS CONTROL - TRENTON	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2383	1520	2
TRENTON	C	CONSERVATION, WATER LOSS CONTROL - TRENTON	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2383	1520	3
TRENTON	C	TRENTON - NEW WELLS IN WOODBINE AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2383	1061	1
TRENTON	C	TRENTON - NEW WELLS IN WOODBINE AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2383	1061	2
TRENTON	C	TRENTON - NEW WELLS IN WOODBINE AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2383	1061	3
TRINIDAD	C	CONSERVATION, WATER LOSS CONTROL - TRINIDAD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00	N/A		2385	1521	1
TRINIDAD	C	CONSERVATION, WATER LOSS CONTROL - TRINIDAD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		2385	1521	2
TRINIDAD	C	CONSERVATION, WATER LOSS CONTROL - TRINIDAD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2385	1521	3
TROPHY CLUB MUD 1	C	CONSERVATION, WATER LOSS CONTROL - TROPHY CLUB	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2389	1522	1
TROPHY CLUB MUD 1	C	CONSERVATION, WATER LOSS CONTROL - TROPHY CLUB	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2389	1522	2
TROPHY CLUB MUD 1	C	CONSERVATION, WATER LOSS CONTROL - TROPHY CLUB	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2389	1522	3
TWO WAY SUD	C	CONSERVATION, WATER LOSS CONTROL - TWO WAY SUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00	N/A		2394	1523	1
TWO WAY SUD	C	CONSERVATION, WATER LOSS CONTROL - TWO WAY SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		2394	1523	2
TWO WAY SUD	C	CONSERVATION, WATER LOSS CONTROL - TWO WAY SUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2394	1523	3
UNIVERSITY PARK	C	CONSERVATION, WATER LOSS CONTROL - UNIVERSITY PARK	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		2398	1524	1
UNIVERSITY PARK	C	CONSERVATION, WATER LOSS CONTROL - UNIVERSITY PARK	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00	N/A		2398	1524	2
UNIVERSITY PARK	C	CONSERVATION, WATER LOSS CONTROL - UNIVERSITY PARK	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00			2398	1524	3
UPPER TRINITY REGIONAL W/C	C	MARVIN NICHOLS (328) - TRWD, NTMWD, UTRWD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$130,680,000.00	2025		141	835	1
UPPER TRINITY REGIONAL W/C	C	MARVIN NICHOLS (328) - TRWD, NTMWD, UTRWD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$251,551,000.00	2040		141	835	2
UPPER TRINITY REGIONAL W/C	C	MARVIN NICHOLS (328) - TRWD, NTMWD, UTRWD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.50			141	835	3
UPPER TRINITY REGIONAL W/C	C	UTRWD - ADDITIONAL DIRECT REUSE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$409,000.00	2025		141	983	1
UPPER TRINITY REGIONAL W/C	C	UTRWD - ADDITIONAL DIRECT REUSE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$1,169,000.00	2030		141	983	2
UPPER TRINITY REGIONAL W/C	C	UTRWD - ADDITIONAL DIRECT REUSE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			141	983	3
UPPER TRINITY REGIONAL W/C	C	UTRWD - LAKE RALPH HALL AND REUSE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$30,000,000.00	2020		141	982	1
UPPER TRINITY REGIONAL W/C	C	UTRWD - LAKE RALPH HALL AND REUSE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$399,000,000.00	2020		141	982	2
UPPER TRINITY REGIONAL W/C	C	UTRWD - LAKE RALPH HALL AND REUSE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.80			141	982	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
UPPER TRINITY REGIONAL W/C		UTRWD WTP AND TREATED WATER DISTRIBUTION SYSTEM WATER N/C		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$42,273,850.00	2020		141	1150	1
UPPER TRINITY REGIONAL W/C		UTRWD WTP AND TREATED WATER DISTRIBUTION SYSTEM WATER N/C		CONSTRUCTION FUNDING	\$129,363,000.00	2025		141	1150	2
UPPER TRINITY REGIONAL W/C		UTRWD WTP AND TREATED WATER DISTRIBUTION SYSTEM WATER N/C		PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			141	1150	3
UPPER TRINITY REGIONAL W/C		UTRWD WTP AND TREATED WATER DISTRIBUTION SYSTEM WATER N/C		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$28,231,500.00	2030		141	1151	1
UPPER TRINITY REGIONAL W/C		UTRWD WTP AND TREATED WATER DISTRIBUTION SYSTEM WATER N/C		CONSTRUCTION FUNDING	\$83,382,000.00	2035		141	1151	2
UPPER TRINITY REGIONAL W/C		UTRWD WTP AND TREATED WATER DISTRIBUTION SYSTEM WATER N/C		PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			141	1151	3
UPPER TRINITY REGIONAL W/C		UTRWD WTP AND TREATED WATER DISTRIBUTION SYSTEM WATER N/C		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$32,459,000.00	2050		141	1153	1
UPPER TRINITY REGIONAL W/C		UTRWD WTP AND TREATED WATER DISTRIBUTION SYSTEM WATER N/C		CONSTRUCTION FUNDING	\$95,597,664.00	2055		141	1153	2
UPPER TRINITY REGIONAL W/C		UTRWD WTP AND TREATED WATER DISTRIBUTION SYSTEM WATER N/C		PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			141	1153	3
UPPER TRINITY REGIONAL W/C		UTRWD WTP AND TREATED WATER DISTRIBUTION SYSTEM WATER N/C		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$32,459,000.00	2060		141	1154	1
UPPER TRINITY REGIONAL W/C		UTRWD WTP AND TREATED WATER DISTRIBUTION SYSTEM WATER N/C		CONSTRUCTION FUNDING	\$95,597,664.00	2065		141	1154	2
UPPER TRINITY REGIONAL W/C		UTRWD WTP AND TREATED WATER DISTRIBUTION SYSTEM WATER N/C		PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			141	1154	3
UPPER TRINITY REGIONAL W/C		WRIGHT PATMAN REALLOCATION NTMWD, TRWD, AND UTRWD		PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$32,587,000.00	2045		141	3862	1
UPPER TRINITY REGIONAL W/C		WRIGHT PATMAN REALLOCATION NTMWD, TRWD, AND UTRWD		CONSTRUCTION FUNDING	\$110,062,000.00	2060		141	3862	2
UPPER TRINITY REGIONAL W/C		WRIGHT PATMAN REALLOCATION NTMWD, TRWD, AND UTRWD		PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.50			141	3862	3
VAN ALSTYNE	C	CONSERVATION, WATER LOSS CONTROL - VAN ALSTYNE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2403	1526	1
VAN ALSTYNE	C	CONSERVATION, WATER LOSS CONTROL - VAN ALSTYNE	C	CONSTRUCTION FUNDING				2403	1526	2
VAN ALSTYNE	C	CONSERVATION, WATER LOSS CONTROL - VAN ALSTYNE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2403	1526	3
VAN ALSTYNE	C	CONSERVATION, WATER SYSTEM IMPROVEMENTS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2403	1072	1
VAN ALSTYNE	C	CONSERVATION, WATER SYSTEM IMPROVEMENTS	C	CONSTRUCTION FUNDING				2403	1072	2
VAN ALSTYNE	C	CONSERVATION, WATER SYSTEM IMPROVEMENTS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2403	1072	3
VERONA SUD	C	CONSERVATION, WATER LOSS CONTROL - VERONA SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		13291	2954	1
VERONA SUD	C	CONSERVATION, WATER LOSS CONTROL - VERONA SUD	C	CONSTRUCTION FUNDING	50.00	N/A		13291	2954	2
VERONA SUD	C	CONSERVATION, WATER LOSS CONTROL - VERONA SUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			13291	2954	3
VERONA SUD	C	VERONA SUD - NEW WELLS IN WOODBINE AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		13291	3818	1
VERONA SUD	C	VERONA SUD - NEW WELLS IN WOODBINE AQUIFER	C	CONSTRUCTION FUNDING	50.00	N/A		13291	3818	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
VERONA SUD	C	VERONA SUD - NEW WELLS IN WOODBINE AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			13291	3818	3
VIRGINIA HILL WSC	C	CONSERVATION, WATER LOSS CONTROL - VIRGINIA HILL WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2412	1528	1
VIRGINIA HILL WSC	C	CONSERVATION, WATER LOSS CONTROL - VIRGINIA HILL WSC	C	CONSTRUCTION FUNDING				2412	1528	2
VIRGINIA HILL WSC	C	CONSERVATION, WATER LOSS CONTROL - VIRGINIA HILL WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2412	1528	3
WALNUT CREEK SUD	C	CONSERVATION, WATER LOSS CONTROL - WALNUT CREEK SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				144	1529	1
WALNUT CREEK SUD	C	CONSERVATION, WATER LOSS CONTROL - WALNUT CREEK SUD	C	CONSTRUCTION FUNDING				144	1529	2
WALNUT CREEK SUD	C	CONSERVATION, WATER LOSS CONTROL - WALNUT CREEK SUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				144	1529	3
WALNUT CREEK SUD	C	WALNUT CREEK SUD - 6 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				144	856	1
WALNUT CREEK SUD	C	WALNUT CREEK SUD - 6 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING				144	856	2
WALNUT CREEK SUD	C	WALNUT CREEK SUD - 6 MGD WTP EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				144	856	3
WALNUT CREEK SUD	C	WALNUT CREEK SUD - NEW 7 MGD WTP-EAGLE MOUNTAIN	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				144	857	1
WALNUT CREEK SUD	C	WALNUT CREEK SUD - NEW 7 MGD WTP-EAGLE MOUNTAIN	C	CONSTRUCTION FUNDING				144	857	2
WALNUT CREEK SUD	C	WALNUT CREEK SUD - NEW 7 MGD WTP-EAGLE MOUNTAIN	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				144	857	3
WATAUGA	C	CONSERVATION, WATER LOSS CONTROL - WATAUGA	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2420	1530	1
WATAUGA	C	CONSERVATION, WATER LOSS CONTROL - WATAUGA	C	CONSTRUCTION FUNDING				2420	1530	2
WATAUGA	C	CONSERVATION, WATER LOSS CONTROL - WATAUGA	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2420	1530	3
WATAUGA	C	WATAUGA - ADDITIONAL DELIVERY INFRASTRUCTURE NORTH RICHL	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2420	4080	1
WATAUGA	C	WATAUGA - ADDITIONAL DELIVERY INFRASTRUCTURE NORTH RICHL	C	CONSTRUCTION FUNDING				2420	4080	2
WATAUGA	C	WATAUGA - ADDITIONAL DELIVERY INFRASTRUCTURE NORTH RICHL	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2420	4080	3
WAXAHACHIE	C	CONSERVATION, IRRIGATION RESTRICTION - WAXAHACHIE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				145	1590	1
WAXAHACHIE	C	CONSERVATION, IRRIGATION RESTRICTION - WAXAHACHIE	C	CONSTRUCTION FUNDING				145	1590	2
WAXAHACHIE	C	CONSERVATION, IRRIGATION RESTRICTION - WAXAHACHIE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				145	1590	3
WAXAHACHIE	C	CONSERVATION, WATER LOSS CONTROL - WAXAHACHIE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				145	1531	1
WAXAHACHIE	C	CONSERVATION, WATER LOSS CONTROL - WAXAHACHIE	C	CONSTRUCTION FUNDING				145	1531	2
WAXAHACHIE	C	CONSERVATION, WATER LOSS CONTROL - WAXAHACHIE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				145	1531	3
WAXAHACHIE	C	WAXAHACHIE - 12 MGD WTP EXPANSION-HOWARD ROAD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				145	936	1
WAXAHACHIE	C	WAXAHACHIE - 12 MGD WTP EXPANSION-HOWARD ROAD	C	CONSTRUCTION FUNDING				145	936	2
WAXAHACHIE	C	WAXAHACHIE - 12 MGD WTP EXPANSION-HOWARD ROAD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				145	936	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IRElementName	IRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
WAXAHACHE	C	WAXAHACHE - 30" RAW WATER LINE FROM IPI TO HOWARD ROAD C	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				145	1049	1
WAXAHACHE	C	WAXAHACHE - 30" RAW WATER LINE FROM IPI TO HOWARD ROAD C	C	CONSTRUCTION FUNDING				145	1049	2
WAXAHACHE	C	WAXAHACHE - 30" RAW WATER LINE FROM IPI TO HOWARD ROAD C	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				145	1049	3
WAXAHACHE	C	WAXAHACHE - 36" RAW WATER LINE FROM IPI TO LAKE WAXAHACHE C	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				145	1050	1
WAXAHACHE	C	WAXAHACHE - 36" RAW WATER LINE FROM IPI TO LAKE WAXAHACHE C	C	CONSTRUCTION FUNDING				145	1050	2
WAXAHACHE	C	WAXAHACHE - 36" RAW WATER LINE FROM IPI TO LAKE WAXAHACHE C	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				145	1050	3
WAXAHACHE	C	WAXAHACHE - 48" TRWD PARALLEL SUPPLY LINE TO SOKOLL WTP C	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				145	1052	1
WAXAHACHE	C	WAXAHACHE - 48" TRWD PARALLEL SUPPLY LINE TO SOKOLL WTP C	C	CONSTRUCTION FUNDING				145	1052	2
WAXAHACHE	C	WAXAHACHE - 48" TRWD PARALLEL SUPPLY LINE TO SOKOLL WTP C	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				145	1052	3
WAXAHACHE	C	WAXAHACHE - 8 MGD WTP EXPANSION-HOWARD ROAD C	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				145	995	1
WAXAHACHE	C	WAXAHACHE - 8 MGD WTP EXPANSION-HOWARD ROAD C	C	CONSTRUCTION FUNDING				145	995	2
WAXAHACHE	C	WAXAHACHE - 8 MGD WTP EXPANSION-HOWARD ROAD C	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				145	995	3
WAXAHACHE	C	WAXAHACHE - DREDGE LAKE WAXAHACHE C	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				145	1053	1
WAXAHACHE	C	WAXAHACHE - DREDGE LAKE WAXAHACHE C	C	CONSTRUCTION FUNDING				145	1053	2
WAXAHACHE	C	WAXAHACHE - DREDGE LAKE WAXAHACHE C	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				145	1053	3
WAXAHACHE	C	WAXAHACHE - INCREASE DELIVERY INFRASTRUCTURE TO ROCKETT SC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				145	1054	1
WAXAHACHE	C	WAXAHACHE - INCREASE DELIVERY INFRASTRUCTURE TO ROCKETT SC	C	CONSTRUCTION FUNDING				145	1054	2
WAXAHACHE	C	WAXAHACHE - INCREASE DELIVERY INFRASTRUCTURE TO ROCKETT SC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				145	1054	3
WAXAHACHE	C	WAXAHACHE - PHASE I DELIVERY INFRASTRUCTURE TO CUSTOMERSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				145	1055	1
WAXAHACHE	C	WAXAHACHE - PHASE I DELIVERY INFRASTRUCTURE TO CUSTOMERSC	C	CONSTRUCTION FUNDING				145	1055	2
WAXAHACHE	C	WAXAHACHE - PHASE I DELIVERY INFRASTRUCTURE TO CUSTOMERSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				145	1055	3
WAXAHACHE	C	WAXAHACHE - PHASE II DELIVERY INFRASTRUCTURE TO CUSTOMERSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				145	1056	1
WAXAHACHE	C	WAXAHACHE - PHASE II DELIVERY INFRASTRUCTURE TO CUSTOMERSC	C	CONSTRUCTION FUNDING				145	1056	2
WAXAHACHE	C	WAXAHACHE - PHASE II DELIVERY INFRASTRUCTURE TO CUSTOMERSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				145	1056	3
WAXAHACHE	C	WAXAHACHE - RAW WATER INTAKE IMPROVEMENTS AT LAKE BARD C	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				145	1057	1
WAXAHACHE	C	WAXAHACHE - RAW WATER INTAKE IMPROVEMENTS AT LAKE BARD C	C	CONSTRUCTION FUNDING				145	1057	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
WAXAHACHIE	C	WAXAHACHIE - RAW WATER INTAKE IMPROVEMENTS AT LAKE BARDC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				145	1057	3
WEATHERFORD	C	CONSERVATION, WATER LOSS CONTROL - WEATHERFORD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				146	1532	1
WEATHERFORD	C	CONSERVATION, WATER LOSS CONTROL - WEATHERFORD	C	CONSTRUCTION FUNDING				146	1532	2
WEATHERFORD	C	CONSERVATION, WATER LOSS CONTROL - WEATHERFORD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				146	1532	3
WEATHERFORD	C	WEATHERFORD - 14 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				146	858	1
WEATHERFORD	C	WEATHERFORD - 14 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING				146	858	2
WEATHERFORD	C	WEATHERFORD - 14 MGD WTP EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				146	858	3
WEATHERFORD	C	WEATHERFORD - 18 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				146	939	1
WEATHERFORD	C	WEATHERFORD - 18 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING				146	939	2
WEATHERFORD	C	WEATHERFORD - 18 MGD WTP EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				146	939	3
WEATHERFORD	C	WEATHERFORD - 8 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				146	938	1
WEATHERFORD	C	WEATHERFORD - 8 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING				146	938	2
WEATHERFORD	C	WEATHERFORD - 8 MGD WTP EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				146	938	3
WEATHERFORD	C	WEATHERFORD - ADDITIONAL INDIRECT REUSE PHASE I	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				146	4086	1
WEATHERFORD	C	WEATHERFORD - ADDITIONAL INDIRECT REUSE PHASE I	C	CONSTRUCTION FUNDING				146	4086	2
WEATHERFORD	C	WEATHERFORD - ADDITIONAL INDIRECT REUSE PHASE I	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				146	4086	3
WEATHERFORD	C	WEATHERFORD - ADDITIONAL INDIRECT REUSE PHASE II	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				146	4098	1
WEATHERFORD	C	WEATHERFORD - ADDITIONAL INDIRECT REUSE PHASE II	C	CONSTRUCTION FUNDING				146	4098	2
WEATHERFORD	C	WEATHERFORD - ADDITIONAL INDIRECT REUSE PHASE II	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				146	4098	3
WEATHERFORD	C	WEATHERFORD - EXPAND LAKE BENBROOK PUMP STATION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				146	1108	1
WEATHERFORD	C	WEATHERFORD - EXPAND LAKE BENBROOK PUMP STATION	C	CONSTRUCTION FUNDING				146	1108	2
WEATHERFORD	C	WEATHERFORD - EXPAND LAKE BENBROOK PUMP STATION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				146	1108	3
WEST CEDAR CREEK MUD	C	CONSERVATION, WATER LOSS CONTROL - WEST CEDAR CREEK MUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				147	1533	1
WEST CEDAR CREEK MUD	C	CONSERVATION, WATER LOSS CONTROL - WEST CEDAR CREEK MUD	C	CONSTRUCTION FUNDING				147	1533	2
WEST CEDAR CREEK MUD	C	CONSERVATION, WATER LOSS CONTROL - WEST CEDAR CREEK MUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				147	1533	3
WEST LEONARD WSC	C	CONSERVATION, WATER LOSS CONTROL - WEST LEONARD WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				13301	2955	1
WEST LEONARD WSC	C	CONSERVATION, WATER LOSS CONTROL - WEST LEONARD WSC	C	CONSTRUCTION FUNDING				13301	2955	2
WEST LEONARD WSC	C	CONSERVATION, WATER LOSS CONTROL - WEST LEONARD WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				13301	2955	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityWupId	WMSProjectId	IFRProjectElementsId
WEST WISE SUD	C	CONSERVATION, WATER LOSS CONTROL - WEST WISE SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$250,000.00	2025		2805	1534	1
WEST WISE SUD	C	CONSERVATION, WATER LOSS CONTROL - WEST WISE SUD	C	CONSTRUCTION FUNDING	\$7,500,000.00	2026		2805	1534	2
WEST WISE SUD	C	CONSERVATION, WATER LOSS CONTROL - WEST WISE SUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2805	1534	3
WEST WISE SUD	C	WEST WISE SUD - 1.5 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$1,000,000.00	2030		2805	941	1
WEST WISE SUD	C	WEST WISE SUD - 1.5 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING	\$10,000,000.00	2035		2805	941	2
WEST WISE SUD	C	WEST WISE SUD - 1.5 MGD WTP EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2805	941	3
WESTLAKE	C	CONSERVATION - WASTE PROHIBITION, WESTLAKE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2954	3454	1
WESTLAKE	C	CONSERVATION - WASTE PROHIBITION, WESTLAKE	C	CONSTRUCTION FUNDING				2954	3454	2
WESTLAKE	C	CONSERVATION - WASTE PROHIBITION, WESTLAKE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2954	3454	3
WESTLAKE	C	CONSERVATION, IRRIGATION RESTRICTION - WESTLAKE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2954	3420	1
WESTLAKE	C	CONSERVATION, IRRIGATION RESTRICTION - WESTLAKE	C	CONSTRUCTION FUNDING				2954	3420	2
WESTLAKE	C	CONSERVATION, IRRIGATION RESTRICTION - WESTLAKE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2954	3420	3
WESTLAKE	C	CONSERVATION, WATER LOSS CONTROL - WESTLAKE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2954	1535	1
WESTLAKE	C	CONSERVATION, WATER LOSS CONTROL - WESTLAKE	C	CONSTRUCTION FUNDING				2954	1535	2
WESTLAKE	C	CONSERVATION, WATER LOSS CONTROL - WESTLAKE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2954	1535	3
WESTMINSTER WSC	C	CONSERVATION, WATER LOSS CONTROL - WESTMINSTER WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				13304	2956	1
WESTMINSTER WSC	C	CONSERVATION, WATER LOSS CONTROL - WESTMINSTER WSC	C	CONSTRUCTION FUNDING				13304	2956	2
WESTMINSTER WSC	C	CONSERVATION, WATER LOSS CONTROL - WESTMINSTER WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				13304	2956	3
WESTOVER HILLS	C	CONSERVATION - WASTE PROHIBITION, WESTOVER HILLS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2442	1576	1
WESTOVER HILLS	C	CONSERVATION - WASTE PROHIBITION, WESTOVER HILLS	C	CONSTRUCTION FUNDING				2442	1576	2
WESTOVER HILLS	C	CONSERVATION - WASTE PROHIBITION, WESTOVER HILLS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2442	1576	3
WESTOVER HILLS	C	CONSERVATION, IRRIGATION RESTRICTION - WESTOVER HILLS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2442	3421	1
WESTOVER HILLS	C	CONSERVATION, IRRIGATION RESTRICTION - WESTOVER HILLS	C	CONSTRUCTION FUNDING				2442	3421	2
WESTOVER HILLS	C	CONSERVATION, IRRIGATION RESTRICTION - WESTOVER HILLS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2442	3421	3
WESTOVER HILLS	C	CONSERVATION, WATER LOSS CONTROL - WESTOVER HILLS	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2442	1537	1
WESTOVER HILLS	C	CONSERVATION, WATER LOSS CONTROL - WESTOVER HILLS	C	CONSTRUCTION FUNDING				2442	1537	2
WESTOVER HILLS	C	CONSERVATION, WATER LOSS CONTROL - WESTOVER HILLS	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2442	1537	3
WESTWORTH VILLAGE	C	CONSERVATION, WATER LOSS CONTROL - WESTWORTH VILLAGE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2443	1538	1
WESTWORTH VILLAGE	C	CONSERVATION, WATER LOSS CONTROL - WESTWORTH VILLAGE	C	CONSTRUCTION FUNDING	50.00	N/A		2443	1538	2

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRwpId	WMSProjectId	IFRProjectElementsId
WESTWORTH VILLAGE	C	CONSERVATION, WATER LOSS CONTROL - WESTWORTH VILLAGE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2443	1538	3
WHITE SETTLEMENT	C	CONSERVATION, WATER LOSS CONTROL - WHITE SETTLEMENT	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2449	1539	1
WHITE SETTLEMENT	C	CONSERVATION, WATER LOSS CONTROL - WHITE SETTLEMENT	C	CONSTRUCTION FUNDING				2449	1539	2
WHITE SETTLEMENT	C	CONSERVATION, WATER LOSS CONTROL - WHITE SETTLEMENT	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2449	1539	3
WHITE SHED WSC	C	CONSERVATION, WATER LOSS CONTROL - WHITE SHED WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	N/A		13310	2957	1
WHITE SHED WSC	C	CONSERVATION, WATER LOSS CONTROL - WHITE SHED WSC	C	CONSTRUCTION FUNDING	\$0.00	N/A		13310	2957	2
WHITE SHED WSC	C	CONSERVATION, WATER LOSS CONTROL - WHITE SHED WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$1.00			13310	2957	3
WHITE SHED WSC	C	WHITE SHED WSC - NEW WELLS IN WOODBINE AQUIFER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$2,100,000.00	2020		13310	3822	1
WHITE SHED WSC	C	WHITE SHED WSC - NEW WELLS IN WOODBINE AQUIFER	C	CONSTRUCTION FUNDING	\$2,100,000.00	2021		13310	3822	2
WHITE SHED WSC	C	WHITE SHED WSC - NEW WELLS IN WOODBINE AQUIFER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$1.00			13310	3822	3
WHITESBORO	C	CONSERVATION, WATER LOSS CONTROL - WHITESBORO	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$0.00	2020		2451	1540	1
WHITESBORO	C	CONSERVATION, WATER LOSS CONTROL - WHITESBORO	C	CONSTRUCTION FUNDING	\$0.00	2020		2451	1540	2
WHITESBORO	C	CONSERVATION, WATER LOSS CONTROL - WHITESBORO	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2451	1540	3
WHITWRIGHT	C	CONSERVATION, WATER LOSS CONTROL - WHITWRIGHT	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2452	1541	1
WHITWRIGHT	C	CONSERVATION, WATER LOSS CONTROL - WHITWRIGHT	C	CONSTRUCTION FUNDING				2452	1541	2
WHITWRIGHT	C	CONSERVATION, WATER LOSS CONTROL - WHITWRIGHT	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2452	1541	3
WILLOW PARK	C	CONSERVATION, WATER LOSS CONTROL - WILLOW PARK	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2458	1542	1
WILLOW PARK	C	CONSERVATION, WATER LOSS CONTROL - WILLOW PARK	C	CONSTRUCTION FUNDING				2458	1542	2
WILLOW PARK	C	CONSERVATION, WATER LOSS CONTROL - WILLOW PARK	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2458	1542	3
WILLOW PARK	C	WILLOW PARK - CONNECT TO FORT WORTH	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2458	1139	1
WILLOW PARK	C	WILLOW PARK - CONNECT TO FORT WORTH	C	CONSTRUCTION FUNDING				2458	1139	2
WILLOW PARK	C	WILLOW PARK - CONNECT TO FORT WORTH	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2458	1139	3
WILMER	C	CONSERVATION, WATER LOSS CONTROL - WILMER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$50,000.00	2022		2460	1543	1
WILMER	C	CONSERVATION, WATER LOSS CONTROL - WILMER	C	CONSTRUCTION FUNDING	\$75,000.00	2023		2460	1543	2
WILMER	C	CONSERVATION, WATER LOSS CONTROL - WILMER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2460	1543	3
WILMER	C	WILMER - DIRECT CONNECTION TO DALLAS (B6" TRANSMISSION LINE)	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$300,000.00	2023		2460	1024	1
WILMER	C	WILMER - DIRECT CONNECTION TO DALLAS (B6" TRANSMISSION LINE)	C	CONSTRUCTION FUNDING	\$35,000,000.00	2024		2460	1024	2
WILMER	C	WILMER - DIRECT CONNECTION TO DALLAS (B6" TRANSMISSION LINE)	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	\$0.00			2460	1024	3

SponsorEntityName	SponsorEntityPrimaryRegion	ProjectName	WMSProjectSponsorRegion	IFRElementName	IFRElementValue	YearOfNeed	IFRProjectDataId	EntityRupId	WMSProjectId	IFRProjectElementsId
WILMER	C	WILMER - INCREASE CAPACITY OF CONNECTION WITH LANCASTER	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	\$320,000.00	2025		2460	1025	1
WILMER	C	WILMER - INCREASE CAPACITY OF CONNECTION WITH LANCASTER	C	CONSTRUCTION FUNDING	\$15,000,000.00	2027		2460	1025	2
WILMER	C	WILMER - INCREASE CAPACITY OF CONNECTION WITH LANCASTER	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2460	1025	3
WISE COUNTY WSD	C	WISE COUNTY WSD - 9 MGD WTP EXPANSION	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		152	943	1
WISE COUNTY WSD	C	WISE COUNTY WSD - 9 MGD WTP EXPANSION	C	CONSTRUCTION FUNDING	50.00	N/A		152	943	2
WISE COUNTY WSD	C	WISE COUNTY WSD - 9 MGD WTP EXPANSION	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			152	943	3
WOODBINE WSC	C	CONSERVATION, WATER LOSS CONTROL - WOODBINE WSC	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2471	1544	1
WOODBINE WSC	C	CONSERVATION, WATER LOSS CONTROL - WOODBINE WSC	C	CONSTRUCTION FUNDING	50.00	N/A		2471	1544	2
WOODBINE WSC	C	CONSERVATION, WATER LOSS CONTROL - WOODBINE WSC	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2471	1544	3
WORTHAM	C	CONSERVATION, WATER LOSS CONTROL - WORTHAM	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2479	1545	1
WORTHAM	C	CONSERVATION, WATER LOSS CONTROL - WORTHAM	C	CONSTRUCTION FUNDING				2479	1545	2
WORTHAM	C	CONSERVATION, WATER LOSS CONTROL - WORTHAM	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2479	1545	3
WYLYE	C	CONSERVATION, WATER LOSS CONTROL - WYLYE	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING				2480	1546	1
WYLYE	C	CONSERVATION, WATER LOSS CONTROL - WYLYE	C	CONSTRUCTION FUNDING				2480	1546	2
WYLYE	C	CONSERVATION, WATER LOSS CONTROL - WYLYE	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY				2480	1546	3
WYLYE NORTHEAST SUD	C	CONSERVATION, WATER LOSS CONTROL - WYLYE NORTHEAST SUD	C	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2870	1547	1
WYLYE NORTHEAST SUD	C	CONSERVATION, WATER LOSS CONTROL - WYLYE NORTHEAST SUD	C	CONSTRUCTION FUNDING	50.00	N/A		2870	1547	2
WYLYE NORTHEAST SUD	C	CONSERVATION, WATER LOSS CONTROL - WYLYE NORTHEAST SUD	C	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2870	1547	3
WYLYE NORTHEAST SUD	C	ADDITIONAL DELIVERY INFRASTRUCTURE FC	FC	PLANNING, DESIGN, PERMITTING & ACQUISITION FUNDING	50.00	N/A		2870	1010	1
WYLYE NORTHEAST SUD	C	ADDITIONAL DELIVERY INFRASTRUCTURE FC	FC	CONSTRUCTION FUNDING	50.00	N/A		2870	1010	2
WYLYE NORTHEAST SUD	C	ADDITIONAL DELIVERY INFRASTRUCTURE FC	FC	PERCENT STATE PARTICIPATION IN OWNING EXCESS CAPACITY	50.00			2870	1010	3

Attachment Two

Response to Comments on IPP

Appendix Q Responses to Comments on IPP

Section Outline

- Section Q.1 – Introduction
- Section Q.2 – Agency Comments
- Section Q.3 – Public Comments
- Section Q.4 – Other Changes

Related Documents

Attachment Q-1 – Copies of original comments

Q.1 Introduction

This appendix contains comments on the *2021 Initially Prepared 2021 Region C Water Plan (IPP)* received by the Region C Water Planning Group (RCWPG) with corresponding responses.

After the submittal of the IPP to the TWDB, copies of the IPP were distributed to the required locations, including county clerk offices in all 16 Region C Counties and at least one public library in each of the 16 Region C counties. These copies were made available to the public at these locations 30 days prior to the May 26, 2020 Public Hearing. Additionally, an electronic copy of the IPP was made available to the Public on the Region C Regional Planning Group website.

State agencies (such as the Texas Water Development Board, Texas Parks and Wildlife, and the Texas State Soil and Water Conservation Board) were given the opportunity to review and submit written comments on the IPP up to 90 days after the Public Hearing. Responses to these comments are located in **Section Q.2**. Additionally, the Public was given the opportunity to comment on the IPP at the Public Hearing as well as the opportunity to submit written comments up to 60 days after the Public Hearing. Responses to these comments are located in **Section Q.3**. Original comments on the IPP are compiled and located in **Attachment Q-1**. Any other changes made to the IPP that were not directly related to an official comment are summarized in **Section HQ.4**.

Q.2 Agency Comments

A summary of the agency comments received are shown in **Table Q.1**. Comments are listed in the order of the count shown in **Table Q.1**. Responses to comments are shown immediately after each received comment in *blue font*.

Table Q.1 Summary of Agency Comments

Count	Name	Representing
1	Jessica Zuba	Texas Water Development Board
2	Cindy Loeffler	Texas Parks and Wildlife
3	Barry Mahler, Rex Isom	Texas State Soil and Water Conservation Board

Q.2.1 TWDB Comments on 2021 Initially Prepared Region C Regional Water Plan with Responses

Level 1: Comments, questions, and data revisions that must be satisfactorily addressed in order to meet statutory, agency rule, and/or contract requirements.

1. Chapter 5 and the State Water Planning Database (DB22). The plan includes the following recommended water management strategies (WMS) by WMS type, providing supply in 2020 (not including demand management): one *new major reservoir*, 24 *groundwater wells & other*, seven *indirect reuse*, three *other direct reuse*, and 15 *other surface water*. Strategy supply with an online decade of 2020 must be constructed and delivering water by January 5, 2023.

- a) Please confirm that all strategies shown as providing supply in 2020 are expected to be providing water supply by January 5, 2023. [31 § TAC 357.10(21); Contract Exhibit C, Section 5.2]

The following water management strategies are shown as providing supply in 2020 and are expected to be providing water supply by January 5, 2023, unless otherwise noted.

Major Reservoir

- ***NTMWD – Bois d’Arc Lake: This project is currently under construction and initial operation is projected to begin in 2022.***

Groundwater Wells & Other

Groundwater well strategies have a relatively short timeline from design to construction as compared to other strategies. Based on the most updated information available from Region C water providers, the following strategies are expected to be providing water supply by January 5, 2023. The one exception is the ‘TRWD – Carrizo-Wilcox’ water management strategy. This strategy is not projected to be implemented until 2040. This was corrected in the database. Please see response to comment #12 for more information.

- ***Anna – New Well(s) in Woodbine Aquifer***
- ***Argyle WSC – New Well(s) in Trinity Aquifer***
- ***Blooming Grove – New Well(s) in Woodbine Aquifer***
- ***Bolivar WSC – New Well(s) in Trinity Aquifer***
- ***County-Other, Denton – New Well(s) in Trinity Aquifer***
- ***County-Other, Denton – New Well(s) in Woodbine Aquifer***
- ***County-Other, Parker – New Well(s) in Trinity Aquifer***
- ***Cross Timbers WSC – New Well(s) in Trinity Aquifer***
- ***Gunter – New Well(s) in Trinity Aquifer***
- ***Irrigation, Fannin – New Well(s) in Trinity Aquifer***

- **Justin – New Well(s) in Trinity Aquifer**
- **Krum – New Well(s) in Trinity Aquifer**
- **Lakeside – New Well(s) in Trinity Aquifer**
- **Livestock, Henderson – New Well(s) in Carrizo-Wilcox Aquifer**
- **Livestock, Tarrant – New Well(s) in Trinity Aquifer**
- **Manufacturing, Wise – New Well(s) in Trinity Aquifer**
- **Mining, Grayson – New Well(s) in Trinity Aquifer**
- **Northwest Grayson County WCID 1 – New Well(s) in Trinity Aquifer**
- **Pelican Bay – New Well(s) in Trinity Aquifer**
- **Pilot Point – New Well(s) in Trinity Aquifer**
- **South Freestone County WSC – New Well(s) in Carrizo-Wilcox Aquifer**
- **Teague – New Well(s) in Carrizo-Wilcox Aquifer**

Indirect Reuse

- **Denton – Unallocated Supply Utilization:** The supplies for this strategy are from Denton’s existing indirect reuse that is limited by the current WTP capacity. Denton has no need in 2020 and the next WTP expansion is not planned to be implemented until 2030. DB22 was updated to show this strategy to be online in 2030.
- **DWU – Indirect Reuse Implementation:** The supplies for this strategy in 2020 include DWU’s share of additional discharges to Lewisville Lake as well as the Elm Fork Swap and Ray Hubbard Exchange. Both are contractual and do not require any additional infrastructure components. Therefore, supplies are expected to be available prior to 2023. Please refer to Chapter 5D for more details.
- **Midlothian – Indirect Reuse:** The supplies for this strategy utilize effluent from the TRA Mountain Creek Regional Wastewater System and will augment Joe Pool Lake supplies. Midlothian will need a contract with TRA and a relatively simple expansion to their Tayman WTP to implement this strategy. It is projected that this strategy can be online prior to 2023. Please refer to section 5E.5.1 for more details.
- **Mining, Jack – Indirect Reuse (Jacksboro):** The supplies for this strategy will be effluent from the City of Jacksboro WWTP and is planned to replace existing City of Jacksboro potable water supply sales to Jack County Mining. This strategy is projected to be implemented prior to 2023 because no infrastructure is required. Mining operations tanker trucks will be filled with raw, nonpotable water directly from the source.
- **Seagoville – Unallocated Supply Utilization:** Seagoville fulfills all of its demand with purchased, treated supplies from DWU. Existing supplies are limited by pump station capacity. It is projected that the necessary pump station expansion will occur before 2023 to meet the City’s needs.
- **TRWD – Additional Cedar Creek and Richland-Chambers:** This strategy will not be online until 2030. This was updated in the database.

- **Waxahachie – Unallocated Supply Utilization:** The supplies for this strategy are from Waxahachie’s existing indirect reuse that is limited by the current WTP capacity. Waxahachie has no need in 2020 and the next WTP expansion is not planned to be implemented until 2030. DB22 was updated to reflect this strategy is online in 2030.
- **Weatherford – Indirect Reuse (Lake Weatherford/Sunshine):** Weatherford’s reuse permit has both an interim and an ultimate phase. Supplies shown in 2020 are projected to be online prior to 2023.

Direct Reuse

Based on the most updated information available from Region C water providers, the following strategies are expected to be providing water supply by January 5, 2023.

- **Frisco – Additional Direct Reuse**
- **Gainesville – Expand Direct Reuse for Irrigation**

Other Surface Water

- **Denison – Texoma with Infrastructure Improvements:** The City of Denison currently blends Texoma supplies with supplies from Lake Randell. Due to blending constraints, additional supplies from Texoma will need to be desalinated. No expansion to the raw water delivery system will be needed prior to 2030. The only infrastructure needed prior to the 2020 implementation deadline is a 4 MGD Desalination WTP. This strategy is needed in order to meet the City’s 2020 need. It is expected that this strategy will be online by 2023.
- **DWU – Conservation Surplus Reallocation:** Conservation is a demand reduction strategy. However, conservation quantities are specific to individual DWU customers. This water management strategy is implemented to attempt to update DB22 to reflect what will be happening. Existing supplies that were allocated to a specific customer can be reallocated to another customer with a need after conservation measures have been implemented. There is no infrastructure or projects associated with this strategy and so the strategy meets the 2020 implementation deadline.
- **Muenster – Develop Muenster Lake Supply:** This strategy encompasses a 0.5 MGD WTP. A plant of this size can be implemented relatively easily utilizing measures such as package plants. It is the intent of the City that this strategy is implemented prior to the 2020 deadline to give the City a redundant source. However, the City can continue to meet all their demand utilizing their existing groundwater sources. For planning purposes, this strategy is shown to be online prior to 2023.
- **TRWD – Aquifer Storage and Recovery Pilot:** The first phase of this project is already under construction and is planned to be completed prior to the 2020 implementation deadline.
- **Fort Worth – Unallocated Supply Utilization:** Fort Worth has no need in 2020 after conservation and the next WTP expansion is not planned to be

implemented until 2030. DB22 was updated to show this strategy to be online by 2030.

- **Gainesville – Unallocated Supply Utilization:** The next WTP expansion is not planned until 2050. This water management strategy only pertained to additional Lake Moss supplies available prior to this. This strategy was removed from DB22.
- **Jacksboro – Unallocated Supply Utilization:** These supplies only require a relatively small connection (7 ac-ft/yr) to the Jack County Other water user. This strategy is projected to be implemented prior to the 2020 deadline.
- **Midlothian – Unallocated Supply Utilization:** These supplies only require a WTP expansion. The City has already begun to move forward with the design and construction of the first expansion and is projected to be completed prior to the 2020 deadline.
- **Runaway Bay – Unallocated Supply Utilization:** Existing raw water supplies from TRWD are currently limited by the City's WTP capacity. A WTP expansion is needed to meet the projected 2020 need. It is projected that the 3 MGD expansion will be completed prior to the 2020 implementation deadline.
- **Sherman – Unallocated Supply Utilization:** This strategy accounts for existing supplies that can be treated using the City's current WTP facilities and delivered to future direct customers. The only customer that has needs in 2020 is Southmayd. A direct connection to this entity will be relatively straightforward (only requires transmission infrastructure and no raw water or treatment expansions) and is projected to be implemented prior to the 2020 implementation deadline.
- **TRWD – Unallocated Supply Utilization:** The supplies for this strategy are existing supplies that were not allocated due to TRWD's existing customer constraints (whether due to a contractual or infrastructure constraint). This strategy takes those existing supplies and allocates to water users with needs in 2020. This strategy assigns water only to those customers with needs in 2020 that have existing infrastructure capacities or will implement the necessary measures to access and/or treat these additional supplies by the 2020 implementation deadline.
- **Walnut Creek SUD – Unallocated Supply Utilization:** The supplies for this strategy are existing supplies from TRWD (see above) that will become accessible after a 6 MGD WTP expansion. This expansion is expected to be online by 2023 to meet the SUD's water needs.
- **Wise County WSD – Unallocated Supply Utilization:** The supplies for this strategy are existing supplies from TRWD (see above) that will become accessible after a 9 MGD WTP expansion. This expansion is expected to be online by 2023 to meet the WSD's water needs.

b) Please provide the specific basis on which the planning group anticipates that it is feasible that the new major reservoir and 15 other surface water. WMSs will all actually be online and providing water supply by January 5, 2023. For example, provide information on actions taken by sponsors and anticipated future project

milestones that demonstrate sufficient progress toward implementation. [31 § TAC 357.10(21); Contract Exhibit C, Section 5.2]

Please see responses above.

- c) In the event that the resulting adjustment of the timing of WMSs in the plan results in an increase in near-term unmet water needs, please update the related portions of the plan and DB22 accordingly, and also indicate whether ‘demand management’ will be the WMS used in the event of drought to address such water supply shortfalls or if the plan will show these as simply ‘unmet’. If municipal shortages are left ‘unmet’ and without a ‘demand management’ strategy to meet the shortage, please also ensure that adequate justification is included in accordance with 31 TAC § 357.50(j). [TWC § 16.051(a); 31 § TAC 357.50(j); [31 TAC § 357.34(i)(2); Contract Exhibit C, Section 5.2]

The Region C Water Plan and DB22 has been updated to reflect any changes that were made as a result of the comments included within this appendix. There are no municipal shortages that are left ‘unmet’.

- d) Please be advised that, in accordance with Senate Bill 1511, 85th Texas Legislature, the planning group will be expected to rely on its next planning cycle budget to amend its 2021 Regional Water Plan during development of the 2026 Regional Water Plan, if recommended WMSs or projects become infeasible, for example, due to timing of projects coming online. Infeasible WMSs include those WMSs where proposed sponsors have not taken an affirmative vote or other action to make expenditures necessary to construct or file applications for permits required in connection with implementation of the WMS on a schedule in order for the WMS to be completed by the time the WMS is needed to address drought in the plan. [Texas Water Code § 16.053(h)(10); 31 TAC § 357.12(b)]

This is understood. The 2021 Region C Water Plan has been updated with the information available at the time of publication.

2. Chapter 2, page 2-89, Attachment 5. Please revise the table header "Wholesale Water Provider" to "Major Water Provider" in the final, adopted regional water plan. [31 TAC § 357.31(f)]

Region C revised this in the final, regional water plan. The table header was updated to "Major Water Provider."

3. Section 3.3., Table 3.5, page 3.12. Table 3.5 appears to present counties associated with the Cross Timbers Aquifer that are inconsistent with the DB22. Please reconcile as necessary in the final, adopted regional water plan. [31 TAC § 357.32(d)]

Region C revised this in the final regional water plan. The Cross Timbers Aquifer is now associated with Jack and Parker County.

4. Appendix E, Section E.9, Table E.9. Several aquifer/county/basin geographic splits with modeled available groundwater (MAG) values of zero appear to be missing from Table E.9, for example Queen City/Freestone; Woodbine/Kaufman/Sabine; Trinity/Rockwall/Sabine; Woodbine/Rockwall/Sabine Basin. Please add these

geographic splits to Table E.9 in the final, adopted regional water plan. [31 TAC § 357.32(d)]

Region C added these geographic splits in the final regional water plan.

5. Appendix E, Section E.9, Table E.9. Trinity Aquifer, Jack County, and Nacatoch Aquifer, Henderson County are presented as groundwater availability sources, but these sources are not represented in DB22. Please reconcile this information in the final, adopted regional water plan. [Contract Exhibit C, Section 3.5.2]

Region C reconciled this information in the final regional water plan. Region C removed the zero quantity groundwater availability sources from Appendix E, Section E.9, and Table E.9 in order to match what is represented in DB22.

6. Section 4.2, page 4-5. The plan does not appear to include needs (potential shortages) for major water providers (MWP) reported by category of use including municipal, mining, manufacturing, irrigation, steam electric, mining, and livestock. Please report the results of the needs analysis for MWPs by categories of use as applicable in the region in the final, adopted regional water plan. [31 TAC § 357.33(b)]

Region C included needs for major water providers reported by category of use in the final regional water plan. Please see Table 4.4 for reference.

7. Section 4.5, page 4-6. The plan does not appear to include a secondary needs analysis for MWPs. Please present the results of the secondary needs analysis by decade for MWPs in the final, adopted regional water plan. [31 TAC § 357.33(e)]

Region C included a secondary needs analysis by decade for MWPs in the final regional water plan. Please see Table 4.6 for reference.

8. Chapter 5B. The plan includes reuse recommendations in the conservation recommendation subchapter; however, it is noted that conservation and reuse are presented in separate subsections. Please add a clarifying statement to Chapter 5B noting that reuse is considered a unique strategy type for regional water planning purposes and is reported separately in DB22 in the final, adopted regional water plan. [31 TAC § 357.34(j); Contract Exhibit C, Section 5.10]

Region C included a clarifying statement to Chapter 5B that notes that reuse is considered a unique strategy type for regional water planning purpose. Please see Page 5B.1 for reference. Additionally, the different strategy types are discussed in more detail in Chapter 5A.

9. Table 5E.258, page 5E-327 and Appendix E page 5. The approved Hydrologic Variance for Region C does not specify the addition of return flows in the modeling that was used for calculating the Lake Jacksboro and the Lost Creek System yield. Please clarify whether Jacksboro's authorized indirect reuse return flows are utilized in the firm yield modeling of the Lost Creek/Jacksboro System yield or are a separate source of supply for the water user groups (WUG) in the final, adopted regional water plan and DB22. [31 TAC § 357.32(c)]

As stated in Appendix E Section E.2, the firm yield of the Lost Creek-Jacksboro system, as

calculated in the Region C WAM, is more than the water right of 1,397 acre-feet per year. This yield does not include return flows and is consistent with the Hydrologic Variance request. The 200 acre-feet of return flows is an additional authorization in Certificate of Adjudication 08-3133 and is considered by Region C to be part of the reservoir system yield. This reuse is currently only authorized for irrigation. Since return flows from Jacksboro are more than 200 acre-feet per year the full amount is considered to be available for use – it is not a modeled yield. Appendix E was clarified regarding the authorizations of water.

10. Chapter 5. Please include documentation of why brackish groundwater desalination was not selected as recommended WMS in the final, adopted regional water plan. [Texas Water Code § 16.053(e)(5)(j); Contract Exhibit C, Section 5.2; 31 § TAC 357.34(g)]

Brackish groundwater was considered but not recommended as a water management strategy because there were no water providers that selected brackish groundwater desalination as a recommended strategy during this round of planning. Brackish groundwater desalination was included within the plan as an alternative water management strategy for MEN WSC in Navarro County. Region C included the following statement for documentation purposes in Section 5A.1.5; "In this round of planning, there are no recommended water management strategies utilizing brackish groundwater desalination because municipal needs are able to be met through other strategies. However, brackish groundwater desalination was considered and is included as an alternative water management strategy for MEN WSC."

11. Chapter 5 and Appendix H. The plan does not appear to address how anticipated water losses associated with WMS yields were taken into account. Please provide an estimate of strategy water losses in the final, adopted regional water plan. [Contract Exhibit C, Section 5.2.3]

Specific losses in treatment and delivery were only included within a water provider's plan if requested by the water provider. NTMWD and UTRWD specifically requested that treatment and delivery losses be considered as part of their demands. Losses associated with desalination water treatment were estimated at 25 percent of the source water. Water losses from conventional treatment are expected to be minimal and were not directly considered. Region C added the following to Appendix H's Introduction to clarify; "Anticipated water losses for treatment were considered when sizing the raw water infrastructure for water management projects. For desalination treatment plants, losses were estimated at 25 percent of the source water. Water losses for conventional treatment are expected to be minimal and were not considered unless specially requested. WMS yields shown in the tables represent finished water. Water losses associated with delivery are incorporated into the demand calculations and are not addressed separately unless requested. Both NTMWD and UTRWD requested that 5% of total demand (both existing and potential future) be reserved for assumed losses in treatment and delivery. These losses are included within the major water provider plans discussed in Chapter 5D."

12. Chapter 5 and DB22. The plan includes WMS projects that appear to come online after the related WMS is initially online providing supply. For example, the TRWD - Carrizo-Wilcox Groundwater WMS is reported to provide supply in 2020, however the related WMS project in DB22 does not come online until 2040. For WMS projects that are necessary for a

strategy to deliver water, please ensure that the project is associated with the initial decade, or earlier decade, that the strategy is delivering supply. In the event that the resulting adjustment of the timing of WMSs in the plan results in an increase in near-term unmet water needs, please update the related portions of the plan and DB22 accordingly. [31 TAC § 357.10(21); Contract Exhibit C, Section 5.2]

The TRWD - Carrizo-Wilcox Groundwater strategy is intended to come online in 2040. There were several incorrect entries in the database associated with shared WUGs with other regions. This has been corrected for the final plan.

13. Appendix G. Some alternative WMS evaluations are assigned an implementation decade of NA in the plan, however associated alternative projects in DB22 are assigned an online decade. For example, George Parkhouse Reservoir I (South) is noted NA in Section G.3.1, but alternative projects in DB22 reflects an online decade of 2050, and Lake O' the Pines is noted NA in Section G.5.3 but the alternative project in DB22 reflects an online decade of 2030. Please ensure that all alternative WMSs have been fully evaluated in accordance with rule and guidance, revise the online decade information in the text of the plan to reflect the online decade in DB22, and ensure that all fully evaluated alternative WMS are included in DB22, in the final, adopted regional water plan. [31 TAC § 357.35(g)(3); 31 TAC § 357.50(g)(2)(B); Contract Exhibit C, Section 5.7]

Region C updated the online decade for alternative water management strategies in Appendix G from 'NA' to match the online implementation date in DB22 (see below).

Alternative Strategy	Updated Online Decade
George Parkhouse Reservoir (North)	2050
George Parkhouse Reservoir (South)	2050
Carrizo-Wilcox/Queen City (Region D) Groundwater	2020
Cypress Basin Supplies (Lake O' the Pines)	2030
Toledo Bend	2070

Region C also updated Sections 5.D and 5.E to reflect online dates for any water provider's alternative strategies. Lastly, Region C updated DB22 to include all fully evaluated alternative strategies.

14. Section 5.C.1.7, page 5C-9, 1st paragraph. The plan appears to present information on the yield for Marvin Nichols Reservoir that is inconsistent with the Table 5A.1 and DB22. For example, page 5C-9 presents the yield for water users within Region C as 361,000 ac-ft/yr and the yield is presented as 361,200 ac-ft/yr in Table 5A.1 and in DB22. Additionally, the firm yield of 451,300 ac-ft/yr presented on page 5C-9 does not appear to match the firm yield represented in DB22 as 451,500 ac-ft/yr. Please reconcile this information as necessary in the final, adopted regional water plan. [31 TAC § 357.35(g)(1)]

Marvin Nichols (328) firm yield is 451,500 ac-ft/yr, with 20% reserved for local use (90,300 ac-ft/yr) and 80% for Region C (361,200 ac-ft/yr). Region C updated Chapter 5C.1.7 to reflect the correct values.

15. Chapter 5E. The plan appears to include non-recommended or alternative strategies in the county summary tables. For example, Table 5E.411 includes zero yield for Wise County

Manufacturing Conservation, but page 5E.510 states that conservation for Wise County Manufacturing is not recommended. Table 5E.410 for example, includes strategy types that are not recommended for Wise County and lists a zero yield. Please remove any zero yield strategy references from the County Summary tables in the final, adopted regional water plan to avoid confusion, since regional water plans may not include zero yield recommended strategies. [31 TAC § 357.34(d)]

Region C corrected this in the final regional water plan.

16. Appendix G.2.2. It is not clear from the plan what is included in the capital cost estimates for the Generic Dredging WMS. Page G.13 states that "Capital costs were based on previous projects and dredging costs.", and Table H.16 does not provide details on the capital cost components. Please provide additional details of the project components associated with the capital cost in the final, adopted regional water plan. [Contract Exhibit C, Section 5.5]

Unit costs for the general dredging strategy were derived from previous dredging projects. To better understand the potential feasibility of dredging for water supply, costs were developed to dredge three lakes in Region C: Lake Bridgeport, Eagle Mountain Lake and Lake Ray Hubbard. Details of these costs are included in Tables H-16a, H-16b, and H-16c. Region C also added the following statement to Section G.2.2 under the Cost Analysis; "Costs associated with general dredging projects include bathymetric survey, sediment testing, dredging, and disposal."

17. Appendix G.3.9. The plan displays a 2080 online decade for the Toledo Bend alternative WMS, however DB22 reports several alternative projects for Toledo Bend with an assigned 2030 online decade. Please reconcile as necessary, including assigning an implementation decade within the current planning horizon (2020- 2070) in the final, adopted regional water plan. [Contract Exhibit C, Section 5.7]

As discussed in Chapter 5D it is projected that this strategy will be recommended in 2080. However, the sponsors of this strategy requested that this strategy be kept within the 2021 Region C Water Plan as an alternative strategy. Region C updated the final regional water plan to show the alternative water management strategy 'Toledo Bend' as having an online date of 2070. Changes were made to Section 5.D, Appendix G and DB22.

18. Appendix H, Table H.45. It is not clear from the plan what is included in the capital costs estimates for the NTMWD - Additional Measures to Access Full Lavon Yield WMS project. The capital costs presented in Table H.45 are listed as Construction Costs. Please provide additional details of the project components associated with the capital cost in the final, adopted regional water plan. [Contract Exhibit C, Section 5.5]

This strategy includes horizontal floating pumps so that NTMWD can access supplies from Lavon Lake at lower elevations. Region C updated the cost estimate to include the description "Horizontal floating pumps".

19. Appendix H, Table H.95. The City of Irving indirect reuse project does not specify any components associated with the capital cost. Please clarify what projects components are included in the cost estimates for this project in the final, adopted regional water plan. [Contract Exhibit C, Section 5.5.3]

Project components include UV pre-treatment facilities and transmission infrastructure. Region C updated the cost estimate to include these components.

20. Units costs reported in DB22 appear notably high for the following WMSs: Conservation, Water Loss Control – Bedford (\$1,762,821), Conservation, Water Loss Control – Blue Ridge (\$83,014, \$61,208, \$59,296, \$61,034), TRWD – Carrizo-Wilcox Groundwater – Bethesda WSC (\$798,375). Please confirm that the calculated unit costs are correct in DB22 and that costs were considered in WMS recommendations in the final, adopted regional water plan. [31 TAC § 357.34(e)(2)]

Region C updated DB22 with corrected unit costs. The following changes were made to those specifically referenced in this comment; 'Conservation, Water Loss Control – Bedford' (\$1,762,821 updated to \$3,740) & 'TRWD – Carrizo-Wilcox Groundwater – Bethesda WSC' (\$798,375 updated to \$798). No changes were made to Blue Ridge conservation costs. These costs are derived from the methodology used for all WUGs. A review of this methodology may be warranted during the 2026 planning cycle for smaller WUGs.

21. Appendix H, Table H.131. It is not clear from the plan whether the 'Pump Replacement at WTP' component of the Athens MWA - Infrastructure Improvements at WTP project is necessary to increase the treated water supply volume to the entity. Please ensure that no infrastructure maintenance or repair costs and only costs that are required to increase the volume of water supply are included in the final, adopted regional water plan. [Contract Exhibit C, Section 5.5.3]

The Athens MWA's WTP is located at Lake Athens. This project is necessary to convey supplies from Athens MWA to the City of Athens. The project will provide for additional transmission capacity from the WTP.

22. Chapter 5. The contract Scope of Work, Task 5A, 21(e)vi indicates that Lake Ringgold will be evaluated as a potential strategy for TRWD, however Lake Ringgold does not appear to be mentioned in the plan. Please document in the final, adopted regional water plan why Lake Ringgold, a previously recommended strategy in regional water plans, was not evaluated as a potentially feasible strategy. [Contract Scope of Work, Task 5A]

TRWD requested that this water management strategy no longer be considered a potentially feasible WMS for TRWD since it is being pursued by Wichita Falls. This is documented here, in Appendix Q, of the final regional water plan.

23. Section 7.3, page 7-8. The plan indicates that a list of emergency interconnects would be submitted to the TWDB separately. At the time of review, the TWDB has not received additional emergency interconnect information from the region. Please ensure that the full list of existing and potential emergency interconnects is included in the final, adopted regional water plan. [31 TAC § 357.42(d)]

Region C's full list of existing and potential emergency interconnects was submitted to the EA confidentially and separately from the final regional plan as per the General Guidance Section 7.3 on September 4, 2020.

24. Section 7.4, pages 7-8 through 7-9. Please confirm whether the entities evaluated for

emergency responses to local drought conditions or loss of municipal supply were assumed to have 180 days or less of remaining supply. [Contract Exhibit C, Section 7.4]

Region C updated Section 7.4 to include confirmation that the entities evaluated for emergency responses to local drought conditions or loss of municipal supply were assumed to have 180 days or less of remaining supply.

25. Chapter 7. The plan does not appear to include a discussion of whether drought contingency measures have been recently implemented in response to drought conditions. Please describe this in the final, adopted regional water plan. [Contract Scope of Work, Task 7, subtask 3]

Chapter 7 has been revised to include a new section 'Recent Implementation of Drought Contingency Measures in Region C' which includes this discussion.

26. Chapter 10, Section 10.4.2. The plan notes that all meetings were held in accordance with the Texas Open Meetings Act but does not discuss compliance with the Texas Public Information Act. Please address how the planning group complied with the Texas Public Information Act in the final, adopted regional water plan. [31 TAC §357.21; 31 TAC §357.50(f)]

Region C added the following statement to Section 10.4; "All regular, committee, and subcommittee meetings of the regional water planning group were posted and held in accordance with the Texas Open Meetings Act, the Texas Public Information Act, statute, and regional water planning rules."

27. Chapter 11. Please provide a reference to the Implementation Survey (Appendix P) in Chapter 11 of the final, adopted regional water plan. [31 TAC § 357.45(a)]

Appendix P is included in the list of related appendices on Page 1 of Chapter 11. Region C added another reference to the Implementation Survey in Section 11.1.

28. Chapter 11. Please provide a brief summary of how the 2016 Plan differs from the 2021 Plan with regards to recommended and alternative WMS projects in the final, adopted regional water plan. [31 TAC § 357.45(b)(4)]

Chapter 11 was revised to clarify that the chapter includes a summary of changes to both Water Management Strategies and Water Management Strategy Projects. The majority of the strategies included in the plan have a corresponding project of the same name.

Level 2: Comments and suggestions for consideration that may improve the readability and overall understanding of the regional water plan.

1. Page 1.19 and Table 1.7. The Blossom Aquifer is indicated as being a groundwater source within Fannin County in Region C, however the Blossom Aquifer is not present in Fannin County. Please review this and consider revising as necessary.

Data in Table 1.7 (which shows quantities from the Blossom Aquifer in Fannin County) is from TWDB (https://www3.twdb.texas.gov/apps/reports/WU/SumFinal_Groundwater_Pumpage). Region C left the table as is.

2. Page 1-30, page 5B.35, and page 5D.44. The plan references the Sulphur Basin Supplies WMS in multiple locations, however the strategy has been renamed this planning cycle. Please update these references as appropriate in the final plan.

Page 1.30 is referring to the 2016 Region C Regional Water Plan when the strategy was combined and referred to as the "Sulphur Basin Supplies" WMS. Region C left this reference as is. Page 5B.35 and 5D.44 are referring to UTRWD's reuse strategy which utilized both Marvin Nichols and Wright Patman (supplies from the Sulphur Basin). Region C revised the wording.

3. Chapter 3. Please consider including a map of Cross Timbers Aquifer.

Region C updated the figure of the minor aquifers in Chapter One (Figure 1.3) to include the Cross Timbers Aquifer.

4. Page 3-12, Table 3.5. Please consider revising the heading of Table 3.5 to Groundwater Availability in Region C (Acre-Feet per Year).

Region C revised this in the final regional water plan.

5. Section. 3.4, page 3.13 states: "Table 3.6 and Figure 3.2 show the currently available water supplies in Region C by different source types", however Figure 3.2 is a map of the GCDs in Region C. Please correct this as appropriate in the final plan.

Region C updated this reference to the correct figure.

6. Section 5A.1.1, page 5A-2. Please consider revising the sentence stating that 140 GPCD is the state goal for municipal water conservation. This is a recommendation from the Water Conservation Implementation Task Force, rather than a state goal.

Region C revised this sentence in the final regional water plan to "140 gallons per person per day, which is a recommended GPCD goal from the Water Conservation Implementation Task Force."

7. Section 5E.16.1, Table 5E.406, page 5E-11. The plan states that conservation is not recommended for Wise County Mining, however Table 5E.406 and DB22 show conservation WMS supply for this WUG. Please reconcile this as necessary in the final plan.

Region C corrected section 5E.16.1 and Table 5E.406 to reflect that conservation is recommended for Wise County Mining in the final regional water plan.

- Chapter 11, p. 11-1, the highlight box indicates that Lake Fork and Lake Tawakoni are among the eastern reservoirs with new droughts of record. Please consider reconciling the apparent inconsistency of information as reported in App E, p. 4 and as highlighted in Chapter 11, p. 11-1.

Region C reconciled these differences and removed Lake Fork and Tawakoni from the Chapter 11 highlight box.

- Appendix E. The table of contents for Appendix E is not consistent with the contents. Please review and reconcile in the final plan.

Region C reviewed and reconciled the table of contents in the final regional water plan.

- Appendix E, page 4, please consider providing a reference for the statement: "It should be noted that the recent drought (2010-2015) did not represent a new drought of record for Lake Fork or Lake Tawakoni".

This statement is based on an unpublished informal assessment of the potential for a new drought of record in various basins conducted internally by FNI. The text has been changed to say, "It should be noted that the recent drought (2010-2015) most likely did not represent a new drought of record for Lake Fork or Lake Tawakoni."

- Appendix G, pages G.36 and G.42. The Texas Instream Flow Program (Senate Bill 2) is erroneously equated with the TCEQ's environmental flow rulemaking process (Senate Bill 3). Please consider revising this in the final plan.

The reference to the Texas Instream Flow Program has been removed, leaving only the reference to Senate Bill 3.

- Appendix H, page H-1. The plan appears to include outdated references including reference to TWDB's guidance from the fourth cycle, reference to cost assumptions in the 2016 plan, and a memo from 2013. Please consider updating these references as appropriate in the final plan.

Region C updated the introduction in Appendix H as appropriate in the final regional plan.

- Appendix H. The plan includes several cost tables, for example, H.46, H.58, that include Conflicts as a line item under capital cost, Total Cost of Facilities. Please consider clarifying what is included as a conflict capital cost and consider incorporating this cost into the Total Cost of the Project cost section.

Conflicts are typically included for projects that encompass large areas, such as new reservoir development. Conflicts include transportation and utility relocations and modifications to other infrastructure that would be impacted by the proposed project. A statement to this effect was added in Appendix H.

14. Please consider clarifying the increase and reasonableness in demand reduction for reported in DB22 for South Ellis County WSC in decades 2060 and 2070, which results in a demand reduction of over 40 percent of the total demands in those decades.

South Ellis County WSC reported only one water loss percentage (57.3%). Consistent with the Region C methodology for determining water savings from water loss reductions, the potential for water loss recovery is nearly 40%. Region C added the following clarification to South Ellis County WSC's description in Section 5E.5.1 in the final regional plan; "The majority of need in 2050-2070 is met through water conservation measures, most notably an enhanced water loss control program consisting of elements such as water main replacement. More details about water conservation measures can be found in Appendix I."

15. Appendix A. Please consider updating the 'Consistency with TWDB Rules' appendix to reflect updated rule references, based on amendments to 31 TAC Chapter 357 adopted by the TWDB Board on June 4, 2020.

Region C updated Appendix A based on amendments to 31 TAC Chapter 357 adopted by the TWDB Board on June 4, 2020.

Q.2.2 Texas Parks and Wildlife Summarized Comments on 2021 Initially Prepare Region C Regional Water Plan with Responses

1. There have been recent updates (March 30, 2020) to the list of federal and state listed species and Species of Greatest Conservation need, including species in Region C Counties. We recommend that you update Table 1.14 with the latest information that is available at: https://tpwd.texas.gov/huntwild/wild/wildlife_diversity/nongame/listed-species/.

Region C updated Table 1.14 with the latest information as of the March 30, 2020 update.

2. Desired future conditions (DFCs) adopted in 2017 for the primary aquifer in Region C, the Trinity, do not address protection of springs. Ultimately TPWD would like to see DFCs adopted to protect these features.

Regional Water Planning Groups do not have input in the Groundwater Management Area and Groundwater Conservation District process of selecting Desired Future Conditions but encourages those entities to consider this comment when setting DFCs. No change needed in the final regional plan.

3. TPWD appreciates the inclusion of new quantitative information in the plan including potential habitat impacts, in stream miles, for the state listed Creek Chubsucker for George Parkhouse I and II, and Marvin Nichols reservoirs. TPWD continues to have concerns regarding impacts from new reservoir strategies as well as increased elevation

at Wright Patman and encourages Region C to continue to update and improve the quantitative environmental information as it becomes available. TPWD looks forward to continued coordination with project sponsors to avoid, minimize and mitigate impacts to fish and wildlife resources.

Region C appreciates TPWD's recognition of the effort to include more quantitative environmental information within the regional plan. Region C recognizes concerns regarding impacts from new reservoir strategies and will strive to continue to update the quantitative environmental information included with the regional water plans. No change needed in the final regional plan.

4. TPWD commends Region C for progress made towards meeting the statewide goal of 140 gallons per person per day, as illustrated by Figure 5B.6.

Region C appreciates TPWD's recognition of conservation efforts. Region C will continue to encourage additional conservation efforts. No change needed in the final regional plan.

5. To be further consistent with the long-term protection of natural resources TPWD recommends that Region C continue to seek alternatives to new surface water supplies such as additional water conservation measures and further study of all potential water management strategies such as aquifer storage and recovery and desalination.

Region C appreciates your comments. No change needed in the final regional plan.

6. As in the previous planning cycles TPWD staff appreciates the time the planning group gave to evaluating whether to recommend stream segments as ecologically unique. Ultimately the workgroup and the Region C voting members decided not to recommend stream segments as ecologically unique due to concerns about regulatory implications of recommending and designating an ecologically unique stream segment. TPWD continues to support regional water planning groups in recommending ecologically unique river and stream segments. While TPWD does not have immediate plans to update the information for Ecologically Significant River and Stream Segments of Region C that was initially prepared by the department in 2000, we would support an update if Region C would find it beneficial in making a decision to recommend a river or stream segment as ecologically unique. New natural resources information is likely available for the river and stream segments the department has identified as well as for other segments not yet identified as candidates for the ecologically unique designation. We also support the planning group's legislative recommendation to form a working group comprised of representatives of TWDB, TPWD, TCEQ, and the sixteen water planning regions to bring clarity, purpose, and direction to designating streams as ecologically unique.

Region C appreciates the TPWD's support of Region C's efforts regarding Ecologically Significant River and Stream Segments. Should TPWD update the information for Ecologically Significant River and Stream Segments of Region C, this information would

be considered during updates of future regional water plans. No change needed in the final regional plan.

7. Section 1.11.3 of the 2021 IPP addresses TPWD’s 2015 comments regarding invasive species and includes updated information regarding present known status of zebra mussels in Region C. Transporting zebra mussels is illegal. To prevent the transmission of invasive species TPWD recommends avoiding transport of water from basins where these species are known to occur. If this is unavoidable these transfers of water should be directly to water treatment plants.

Region C water management strategies have been developed with the prevention of transmission of invasive species in mind. However, as TPWD knows, the transport of invasive species commonly occurs from boaters and users of the lakes. Water providers cannot directly control this type of transmission. Region C will continue to update this information throughout each regional planning process. No change needed in the final regional plan.

Q.2.3 Texas State Soil and Water Conservation Board Summarized Comments on 2021 Initially Prepared Region C Regional Water Plan with Responses

1. The TSSWCB is writing new Water Quality Management Plan Programs (WQMPs) for these new landowners who are implementing BMPs on their land. Education and implementation of proper land management and BMPs continues to be essential. Voluntary incentive-based programs are essential to continue to address soil and water conservation in Texas. These best management practices (BMPs) implemented for soil and water conservation provide benefits not only to the landowner but ultimately to all Texans and our water supply.

Region C appreciates the TSSWCB’s continued efforts towards soil and water conservation education and implementation. Region C agrees that proper land management and implementation of BMPs provide benefits not only to the landowner but all Texans and our water supply. No change needed in the final regional plan.

Q.3 Public Comments

The Region C Regional Water Planning Group appreciated each comment received from the public regarding the Initially Prepared Plan and appreciates those individuals and organizations who took the time to thoughtfully consider the plan and to present ideas to improve upon the plan. A summary of the public comments received are shown in **Table Q.2**. Comments are summarized for clarity within this section and are grouped by concern and/or topic. Responses to comments are shown immediately after in *blue font*. Original comments on the Initially Prepared Plan can be found in **Attachment Q-1**.

Table Q.2 Summary of Public Comments

Count	Name	Representing/Subject Line
Oral Comments Received at Public Hearing		
1.	Janice Bezanson	Texas Conservation Alliance
2.	Ronna Hartt	Upper Trinity Regional Water District
3.	Ben Jones	Dallas resident
Comments Received via Letter or Report Format		
4.	Larry N. Patterson	Upper Trinity Regional Water District
5.	Janice Bezanson	Texas Conservation Alliance
6.	Rita Beving	Region C Comments from Rita Beving w/ Attachments
Comments Received via Email		
7.	Adelia Jones	Marvin Nichols Reservoir
8.	Alan Kazdoy	Marvin Nichols Reservoir
9.	Alex Holland	Opposed to Marvin Nichols Reservoir
10.	Alexander	NO to Marvin Nichols Reservoir!
11.	Allen Majefski	Stop reservoir
12.	Ashley Monismith	Opposition to Marvin Nichols Reservoir in Region C Water Plan
13.	Augustine Jalomo	Oppose the Marvin Nichols Reservoir
14.	Becky Lum	Marvin Nichols
15.	Brianna Veerasammy	Marvin Nichols Reservoir
16.	Carol Nash	Marvin Nichols Reservoir
17.	Caroline Vornberg	Do NOT build Marvin Nichols Reservoir!!! and Do not fund Marvin Nichols
18.	Cathy Wallace	Marvin Nichols Reservoir
19.	Chris Guldi	No to Marvin Nichols Reservoir
20.	Dalenn Maxwell	Marvin Nichols Reservoir comments
21.	Dan Moulton	Marvin Nichols reservoir
22.	Dawn Spalding	Region C Water Plan
23.	Dick Schoech	Do not build Marvin Nichols Reservoir.
24.	Grecia Alfaro	Building Reservoirs is out-dated
25.	Ida Ghorbani	URGENT: Region C Water Plan
26.	Jack Hughes	Remove the Marvin Nichols Reservoir from the Region C water plan
27.	Jan Falcona	No On Reservoir
28.	Jan Miller	No to Marvin Nichols Reservoir
29.	Jay B	Please drop M Nichols Reservoir
30.	Jeff Lu	Opposing Marvin Nichols Reservoir
31.	Jo Ann Duman	Coment on Region C Water Supply Plan
32.	John Lingenfelder	Comments on the 2021 IPP for Region C.
33.	John Mayes	Marvin Nichols
34.	John Mendy	Marvin Nichols Reservoir
35.	John Brooks	Region C IPP
36.	Julie Ryan	Deny Marvin Nichols Reservoir
37.	Julie Thibodeaux	SAVE THE OLD FORESTS – DROP MARVIN NICHOLS RESERVOIR OUT OF WATER PLAN
38.	Karen Dyer	Marvin Nichols Reservoir – please read

Count	Name	Representing/Subject Line
39.	Karla Zemler	Marvin Nicoles Reservoir
40.	Kathy Lawrence	Please DO NOT Build Marvin Nichols Reservoir
41.	Kelly Longfellow	Region C Water Plan: Marvin Nichols
42.	Kirk Miller	Region C Water Plan
43.	Kohl Zierath	Do the right thing!
44.	Kristi Purviance	Marvin Nichols Comment
45.	Layla Gulley	\$4.4 B Marvin Nichols Reservoir
46.	Lori Lewis	Marvin Nichols Reservoir
47.	Maria Mar	No Marvin Nichols Reservoir!
48.	Marla Ballard	Marvin Nichols Reservoir
49.	Mary Cato	Marvin Nichols Reservoir
50.	Mary Warren	Better water plans to end the Marvin Nichols Reservoir project
51.	Marylee Thomason	Marvin Nicholas reservoir NO!
52.	Maureen Kellen-Taylor	Marvin Nichols Reservoir
53.	Melinda EB	For Kevin Ward (Marvin Nichols Res & the Region C Plan)
54.	Michael Martin	NO Marvin Nichols reservoir
55.	Michele Cyr	Marvin Nichols Reservoir
56.	MJ Bivens	Marvin Nichols Reservoir.
57.	Molly Rooke	Remove Marvin Nichols Reservoir from the Region C water plan
58.	Paula Day	Opposition to Marvin Nichols Reservoir
59.	Peggy Henger	Water Conservation
60.	Penelope Bisbee	Marvin Nichols Reservoir - No
61.	Rachel Ford	SAY NO to the Marvin Nichols Reservoir Project
62.	Rebecca Marin	Marvin Nichols Reservoir
63.	Richard Guldi	Don't build Martin Nichols Reservoir
64.	Richard Rivera	NO to Region C Water Plan
65.	Roger Arnold	Marvin Nichols Reservoir
66.	Ryan Hamilton	Cancel the Marvin Nichols Reservoir
67.	Sahan Yerram	Don't Build The Marvin Nichols Reservoir
68.	Seylah Williams	
69.	Sharon Richey	I urge you to vote NO!
70.	Simon Rook	No to Marvin Nichols Reservoir in the Region C water plan
71.	Stacy Clark	No on the reservoir.
72.	Steven Sverdlik	Marvin Nichols Reservoir
73.	Susan Cowger	Marvin Nichols Reservoir
74.	Tolbert Greenwood	Opposition to Marvin Nichols Reservoir
75.	William Cage	Marvin Nichols Water Reservoir
76.	William Forbes	Marvin Nichols Reservoir proposal

Q.3.1 Specific Comments on 2021 Initially Prepared Region C Regional Water Plan with Responses

1. **Upper Trinity Regional Water District** – Specific mark-ups were sent by Larry Patterson and are included in their entirety in Attachment Q-1. Ronna Hartt made an oral comment at the Public Hearing in support of the 2021 Region C Regional Water Plan.
Region C appreciates UTRWD's continued support of the regional planning process. Region C updated UTRWD's sections as outlined in the letter. The one exception was updating the 'Lake Ralph Hall and Reuse' water management strategy's reuse quantity from 15,391 to 21,179 acre-feet per year in its entirety. Chapter 5D was updated to explain that UTRWD will be seeking a state water right for return flows out of Lake Ralph Hall for up to 21,179 ac-ft/yr and cost estimates were developed based on this amount. However, for regional planning purposes the dry-year projected return flow value of 15,391 ac-ft/yr by 2070 is used.
2. **Janice Bezanson (Texas Conservation Alliance)** – Comments were provided on behalf of Texas Conservation Alliance in addition to oral comments from the Region C Public Hearing. *Region C acknowledges TCA's review and comments on the IPP.*
 - a. **Current Supplies.** *The comment asserts that if the region as a whole can bring the average gpcd to 143 gpcd the current supplies will be adequate to meet 2070 demands.* – It is important to note that supplies listed within the plan as “overall supplies” are not the same as “connected supplies” (please see Chapter Two for more details). Region C continues to support water users in efforts to increase conservation efforts as a means to preserve existing supplies and delay the need for future supplies (please refer to Chapter 5B for more information on conservation and reuse measures). However, even assuming 143 gpcd is achievable for the projected population in 2070 would only reduce the municipal demand from 2.7 million ac-ft/yr to 2.4 million ac-ft/yr. Including the non-municipal demand increases this reduced demand from 2.4 million to 2.6 million ac-ft/yr. Connected supplies in Region C are only 1.7 million ac-ft/yr still leaving an overall shortage of approximately 900,000 ac-ft/yr. Additionally, this calculation does not account for any management supply factor or losses in treatment and delivery. It also does not account for increased non-municipal demands beyond 2030 that were not considered during this round of planning. However, during the regional planning process Region C evaluated potentially feasible strategies to connect to overall supplies as well as strategies outside of the Region.
 - b. **Urbanization.** *This comment asserts that water supplies are substantially undercounted due to not taking into consideration the increased inflows due to the increase in impervious cover associated with population growth and urbanization. Additionally, the comment asserts that by 2070 the additional run-off resulting from urbanization in the upper Trinity Basin would exceed one million AFY beyond the historical flows in the Trinity River and a substantial fraction would be captured by existing reservoirs (and potentially the Main Stem Balancing Reservoir) – Most rain that falls in urbanized DFW is not within the watershed of any Region C water supply reservoirs. Most run-off from Region C urbanized area is in the Lake Livingston watershed in Region H. Therefore, the future yield of existing reservoirs in Region C is not likely to increase due to urbanization within these watersheds. Also, since reliable supplies are impacted by*

drought, increased runoff during normal and wet periods will have considerably less impact on reservoir yield. Regardless of urbanization, runoff during drought will continue to be low.

- c. Municipal Reuse.** This comment asserts that there is no barrier to 100% reuse of the region’s return flows. The comment further states that if only 2/3 of the projected return flows are used as water supplies then the projected demand could be met with no other strategies – The reuse supply projections quoted in this comment only account for current reuse projects. The 2021 Region C plan recommends over 480,000 acre-feet per year of additional reuse strategies. Also, *there is a barrier to utilizing 100% reuse of return flows. It is required that some amount of return flow be returned to the natural waterways to support aquatic life. TCEQ typically requires a certain amount of bypass flows and/or only permits a certain percentage of available return flows to be reused.*
 - d. Main-Stem Balancing Reservoir.** This comment asserts that the only defensible source of supply would be to develop the Main-Stem Balancing Reservoir and it is not included in the plan as a recommended or alternative strategy. Additionally this comment asserts that this project could have a much larger yield due to the location on the Trinity River (asserting that any return flows captured upstream could be diverted from the Trinity River into the MSBR)– *Region C agrees that the Main Stem Balancing Reservoir is a feasible strategy. The Main-Stem Balancing reservoir is a recommended project for Dallas Water Utilities and is shown coming online in 2040 per input from the sponsor. Details for the project can be found in Chapter 5D.1.1 under ‘Additional Indirect Reuse’ and in Appendix G. Projected reuse yields of 96,000 AFY by 2070 were calculated based on 44% return flows from projected future water demands and accounting for the Elm Fork Swap and Ray Hubbard Exchange that is included as a recommended strategy between NTMWD and DWU. It is important to note that the balancing reservoir only has rights to a certain amount of supplies regardless of the location of the reservoir itself. Most of the natural flow in the Trinity River during drought conditions has been allocated to existing water rights, so this project is dependent only on the availability of available return flows.*
 - e. Opposition to Marvin Nichols Reservoir and Reservoirs in General.** This comment asserts the TCA’s opposition to reservoirs stating that the dramatic negative impacts of any reservoir cannot be justified if there are other more cost-effective ways to meet Region C’s water demands – *Comment noted.*
- 3. John Lingenfelder (Region C Water Planning Group Member)**
- a. Water Conservation Specifics Lacking in the Region C IPP for 2021.** This comment asserts that the IPP fails the test of being a balanced report because it lacks sufficient analysis of how to moderate demand so that available supply is sufficient and instead plans supply to meet an estimated demand – *Region C goes above and beyond TWDB requirements when it comes to conservation planning. Not only are all water conservation plans reviewed for water providers within Region C, but a tool was developed specifically for Region C to account for all the conservation measures that are being outlined in those plans and project water savings from the recommended conservation package. As a bottoms-up planning process, it is not the intended role of the Region C Water Planning Group*

to stipulate how water providers utilize existing water supplies. Region C can and does provide support for conservation efforts, but conservation must be implemented by the water providers themselves. Water Conservation specifics can be found both in **Chapter 5B** and **Appendix I**.

- b. **Data for Major Water Providers Is Not Clear to the Reader. This comment asserts that it would be beneficial to readers to see all MWP details in one place including historical usage, projected demand, available supply and need – Chapter 5D discusses all 6 Major Water Providers and both Regional Water Providers in detail. Projected Demand, Available Supply, and the Need for each MWP can be found in summary tables at the end of each providers section. This chapter gives a concise summary of each major water provider’s plan.**
- c. **Water Demand Projections Do Not Reflect Active Conservation Measures. This comment asserts that the demands are inflated because conservation measures are not built into the existing demands – All existing demands are based on recent per capita water use that accounts for reduced water use from implemented water conservation measures through the base year of demand. The projected municipal water demands include further per capita use reductions associated with passive conservation measures, such as the plumbing code requirements. (See Appendix I, Sections I.1.1 and I.1.2.) The Region C water plan recommends additional active water conservation measures, which TWDB requires to be recognized as a demand reduction strategy. This means that the future active conservation measures are accounted for in the water providers supplies from strategies and not existing supplies. This includes realized water savings from implemented water conservation measures that have occurred after the base year for which demands are developed. While it may be confusing to report some conservation measures as a demand reduction (current practices and passive measures) and other measures (active measures after base year) as strategies, this is the procedure required by regional planning. Demand projections are finalized before the TWDB approves funding for work on water management strategies (including conservation). The water provider’s overall surplus and/or shortage is reported prior to application of conservation strategies in accordance with TWDB guidelines. Secondary needs report the water provider’s overall surplus and/or shortage after the implementation of conservation and direct reuse. These needs can be found in Chapter 4.**
- d. **Misstated observation about Twice Weekly Irrigation Restriction & Projected Water Savings. This comment asserts that the IPP is incorrect in stating that twice weekly watering restrictions are relatively new in Texas and the US (Appendix I, page 22). Additionally, the comment asserts that the IPP needs to be modified to reflect that “Twice Weekly Irrigation Restriction” should be a major part of the plan and to not have a discussion of these BMPs is a serious oversight of the water planning group –The referenced experience in California between 2014 and 2017 is in response to a severe drought. Water providers in North Texas have implemented extreme restrictions on outdoor watering in response to drought. However, this conservation measure is not a drought response but rather a long-term life-style change in outdoor water use. Data for this type of public response is still being collected and therefore is relatively new for wide application. Additionally, there is a discussion of conservation BMPs that**

were approved by the water planning group for inclusion into the Region C plan in both **Chapter 5B** and **Appendix I**. Twice Weekly Watering Restriction is discussed specifically in **Section I.10** and was applied to municipal WUGs with the specified characteristics or if stated in the WUGs water conservation plan.

- e. **Acronyms and Glossary.** This comment asserts that the list of acronyms seems hidden and that a glossary of terminology would be helpful – *Comment noted. The list of acronyms is placed after the Table of Contents, which is consistent with standard formatting. A glossary of terms was added behind the list of acronyms. Terminology is also defined when necessary throughout the plan.*
- f. **A Data Presentation Error.** This comment asserts that there appears to be a data disconnect between “Table E.1” and “Table 3.1” – *Tables have been checked for consistency.*
- g. **Historical Usage and Projected Demand.** This comment asserts that there is a lack of connection between historic usage and future demand projections and that the IPP lacks quantifying historical usage. – *Future demand projections are based on drought of record conditions. This is required by statute and TWDB rules for regional water planning. **Historical water use can provide a historical context of water use in Region C, but it does not provide the data necessary to determine future demand projections.** Drought of record per capita water use and population projections are the basis for municipal demand projections. **Chapter 2.3.1** and **Appendix C** explain how population and demand projections were calculated. The TWDB releases draft projections for the regional planning process and then the planning groups can make limited adjustments. Since no new census data had been released since the publication of the 2016 Regional Water Plans, there were restrictions on adjusting the TWDB’s draft population projections for regional, county and individual water user group totals. Historical usage summaries may be found in Chapter 1 Tables 1.2, 1.4 and 1.7.*
- h. **Projections of Impounded Water Availability Based on Safe Yield instead of Firm Yield.** This comment asserts that the wording of the IPP and explanation therein are unsatisfactory and call into question whether the use of safe instead of firm is to purposefully obscure the possibility that there is sufficient water available looking to the future. This comment also states that it was alluded to by FNI that the reservoirs using safe yield in lieu of firm yield were geographically located where they would be more susceptible to the effect of droughts. The comment continues that a cursory examination of the map locations of the said reservoirs calls this explanation into question – *Water providers are given the opportunity by the TWDB to choose to use safe yield in lieu of firm yield. Only two water providers requested to use safe yield: TRWD and DWU. Safe yield is consistent with the current operations of these two surface water suppliers and previous regional and other water planning. Safe yield is the amount of water that can be used during the critical drought while leaving a minimum supply in reserve. (For TRWD this minimum is a one-year supply; for Dallas this minimum is approximately nine months of supply.) The TRWD reservoirs include Lake Bridgeport, Eagle Mountain Lake, Lake Worth, Lake Benbrook, Lake Arlington, Richland-Chambers Reservoir and Cedar Creek Reservoir. Dallas reservoirs include Lake Ray Roberts, Lake Lewisville, Lake Grapevine, Lake Ray Hubbard, Lake Tawakoni, and Lake Fork. For some of these lakes, Dallas holds*

only a portion of the water rights. Supply for the other water right holders in these lakes were calculated using firm yield. In accordance with the TWDB planning rules, firm yields for TRWD and DWU sources are also determined and reported in the plan.

The request to use safe yields must be outlined and approved by both the regional planning group and the TWDB in a hydrologic variance request. This request was submitted April 13, 2018 and approved by the TWDB on June 21, 2018.

It should be noted that safe yield has historically been used as the basis for water supply planning for water providers across the state.

- i. **Conservation and Environmental Aspect. This comment asserts that the IPP does little to suggest and provide analyses of methods to aggressively address controlling water demand. Areas mentioned include Residential Turf Grass, Pricing Structure for Residential Water Usage, Restriction on Residential Landscape Irrigation, Global Climate Change and State Climatologist, Hurdle to Effective Conservation** – *Region C has always stressed the importance of water conservation being included as part of the regional water plan and has developed an aggressive conservation package that is considered uniquely for each WUG. The regional planning process can provide resources to water users regarding conservation measures. However, the Region C Water Planning Group cannot dictate what water user groups will implement. The Region C Regional Water Plan dedicates significant effort to collecting and reviewing individual water conservation plans so that the projected conservation quantities included within the plan represent what is projected to occur rather than double counting savings that have already occurred. This is as outlined in TWDB general guidelines for regional water plan development. As discussed in Chapter 5B, Region C water users have made, and continue to make, significant improvements to water conservation, and these measures will be considered in each five-year update to the regional plan.*
 - j. **Climate Change and Creation of New Reservoirs. This comment asserts that the impoundment of water for municipal use destroys ecological habitat that cannot be replaced through mitigation. Additionally, the lost life will decay and form methane that will be released and accelerate global warming. It will also remove a natural carbon sink and replace it with a warming sink. This comment asserts that a report from the state climatologist should be included within the IPP to address and confirm this.** – *Consideration of any climate change effect(s) are beyond the scope and funding of the regional planning process at this time. Region C supports the possibility of including climate change considerations in future rounds of planning given the funding and authority to do so.*
4. **Rita Beving**
- a. **More Conservation. This comment notes high water loss and gpcds and emphasizes that cities/entities need to reduce both water loss and consumption before proposing a new reservoir such as Marvin Nichols** – *Region C supports the inclusion of continued efforts towards reducing water loss and consumption through conservation. The Region C Water Plan has an aggressive conservation package that is considered uniquely for each WUG. However, even with conservation Region C will need to develop additional water supplies. The RWPG strongly encourages the implementation of conservation measures by providers*

in the region, but the planning group does not have the authority to force water users within Region C to adopt specific conservation measures.

- b. **Better Contracts.** This comment asserts that water districts need to end Take or Pay contracts due to it being a disincentive for implementation of meaningful water conservation plans – *Comment noted. The planning group does not have the authority to force water providers to restructure contracts.*
- c. **Better Strategies.** This comment asserts that all cities need to implement lawn watering ordinance and recycled and gray water needs to be fully utilized. Additional strategies such as aquifer storage should be employed before reservoirs – *Comment noted. The planning group does not have the authority to force water providers to adopt these strategies. Aquifer storage and recovery was included in this regional water plan as both a feasible and recommended strategy.*
- d. **Marvin Nichols Opposition.** This comment asserts opposition to inclusion of the Marvin Nichols Reservoir within the regional water plan. This comment also asserts that Region C reneged on its original agreement not to pursue Marvin Nichols until 2070, forcing a negotiation which Region D did not want due to a conflict in water plans. – *Comment noted. Please see **Appendix J** for an updated quantitative analysis of the impact of Marvin Nichols Reservoir and **Chapter 10** for a summary of the Region C and Region D Interregional Coordination. Additionally, Region C did not violate any of the four points agreed upon between Region C and Region D during the fourth planning cycle. Information on this can be found online at the link located below this response. The agreement stated only that “Region C will adopt a resolution to recommend that water suppliers in Region C not submit any water rights applications for new reservoirs that would be located in Region D through the end of the 5th cycle of regional water planning”. Marvin Nichols was included as a recommended strategy in the 2021 Region C Regional Water Plan and no official conflict was declared.
<http://www.twdb.texas.gov/waterplanning/rwp/regions/RegionCandDConflict2016.asp>*

Q.3.2 General Comments on 2021 Initially Prepared Region C Regional Water Plan with Responses

Region C received several comments from the public in opposition to the inclusion of the Marvin Nichols Reservoir as a recommended water management strategy within the regional water plan. Region C appreciates input from the public and would like to recognize that all public comments were noted however no changes were made to the plan itself. An Updated Quantitative Analysis of the Impact of Marvin Nichols Reservoir was completed and is included in **Appendix J**. Additionally, a summary of the effort made towards interregional coordination between Regions C and D are summarized in **Chapter 10**. The main points of opposition are summarized below and in **Table Q-3**. Original comments are included in their entirety in **Attachment Q-1**. Responses to the main points of opposition are provided below. *There are no changes to the Region C water plan as the result of these comments.*

- a. General Opposition to Marvin Nichols Reservoir (328) – *Comments noted.*
- b. Consideration of cheaper options than the projected \$4.4 billion MNR project *Cost is a consideration in the evaluation of potentially feasible strategies. The MNR provides an economically feasible source of water supply.*
- c. Economically harmful – *New reservoir construction can provide economic development for both the region where the reservoir is located and the receiving region. An economic study for the MNR was conducted and is included as Attachment 4 in Appendix J. The study found the new reservoir would have a positive effect of \$1.47 billion on the local economy.*
- d. Environmentally destructive and/or depletion of natural resources – *The impacts of the MNR are detailed in Appendix J. The proposed mitigation for the project would fully compensate for these impacts and provide protected habitats for wildlife beyond the protections offered today.*
- e. Disturbs landowners and/or DFW residents – *Comment noted.*
- f. Marvin Nichols Reservoir is unnecessary, there exists better options, and/or Region C should increase conservation efforts – *The MNR provides much needed water for Region C water providers. Region C continues to promote and encourage water conservation.*

Table Q.3 Summary of Public Comments

Commenter Name (Affiliation)	Main Points of Opposition					
	General Opposition	Expensive	Economically Harmful	Environmentally Destructive and/or Resource Depletion	Disturbs Landowners and/or DFW Residents	Unnecessary or Better Options
Adelia Jones	X	X		X	X	
Alan Kazdoy	X	X		X		X
Alex Holland	X			X	X	X
Alexander	X			X	X	X
Allen Majefski	X					
Ashley Monismith	X	X		X	X	X
Augustine Jalomo	X			X	X	X
Becky Lum	X				X	X
Brianna Veerasammy	X			X	X	X
Carol Nash	X	X		X	X	
Caroline Vornberg	X	X	X	X	X	X
Cathy Wallace	X	X		X		X
Chris Guldi	X	X		X		X
Dalenn Maxwell	X	X	X	X	X	X
Dan Moulton	X	X		X	X	X
Dawn Weeks Spalding	X			X	X	X
Dick Schoech	X					
Grace Alfaro	X	X		X	X	X
Ida Ghorbani	X	X		X	X	X
Jack Hughes	X	X		X	X	X
James Presley (Friends United for a Safe Environment)	X		X		X	X

Table Q.3 Summary of Public Comments

Commenter Name (Affiliation)	Main Points of Opposition					
	General Opposition	Expensive	Economically Harmful	Environmentally Destructive and/or Resource Depletion	Disturbs Landowners and/or DFW Residents	Unnecessary or Better Options
Jan Falcona	X	X		X		X
Jan Miller	X	X	X	X	X	X
Jay B	X					X
Jeff Lu	X			X	X	X
Jo Ann Duman	X		X	X		X
John Mayes	X			X	X	X
John Mendy	X			X	X	X
John Brooks	X		X	X	X	X
Julie Ryan	X			X	X	X
Julie Thibodeaux	X			X	X	X
Karen Dyer	X			X	X	X
Karla Zemler	X			X		
Kathy Lawrence	X	X	X	X	X	X
Kelly Longfellow	X			X	X	
Kirk Miller	X	X			X	X
Kohl Zierath	X			X		
Kristi Purviance	X		X	X	X	X
Layla Gulley	X			X	X	X
Lori Lewis	X			X	X	X
Maria Mar	X	X		X	X	X
Marla Ballard	X	X	X	X	X	X
Mary Cato	X	X	X	X		X
Mary Warren	X				X	X

Table Q.3 Summary of Public Comments

Commenter Name (Affiliation)	Main Points of Opposition					
	General Opposition	Expensive	Economically Harmful	Environmentally Destructive and/or Resource Depletion	Disturbs Landowners and/or DFW Residents	Unnecessary or Better Options
Marylee Thomason	X	X		X		X
Maureen Kellen-Taylor	X			X	X	X
Melinda EB	X	X		X	X	X
Michael Martin	X			X	X	X
Michele Cyr	X		X	X		X
MJ Bivens	X	X		X		X
Molly Rooke	X	X		X		X
Paula Day	X	X		X	X	X
Peggy Henger	X					X
Penelope Bisbee	X		X	X	X	X
Rachel Ford	X	X	X	X	X	X
Rebecca Marin	X	X		X	X	X
Richard Guldi	X	X		X		X
Richard Rivera	X			X	X	X
Roger Arnold	X	X		X	X	X
Ryan Hamilton	X		X	X	X	X
Sahan Yerram	X				X	X
Seylah Williams	X			X	X	X
Sharon Richey	X	X		X	X	X
Simon Rook	X			X	X	X
Stacy Clark	X			X	X	X
Steven Sverdlik	X			X	X	X
Susan Cowger	X	X				X

Table Q.3 Summary of Public Comments

Commenter Name (Affiliation)	Main Points of Opposition					
	General Opposition	Expensive	Economically Harmful	Environmentally Destructive and/or Resource Depletion	Disturbs Landowners and/or DFW Residents	Unnecessary or Better Options
Tolbert Greenwood	X	X		X	X	X
William Cage	X	X		X		
William Forbes	X				X	X

Q.4 Other Changes

During the review and comment period of the IPP, several requests were made by entities within Region C to make minor revisions to the plan. These changes are discussed below. Additionally, minor formatting and wording revisions were made upon further review of the IPP but are not included in the discussion below. These changes were made to enhance the clarity of the plan itself and did not impact content.

Q.4.1 Changes to WWP and/or WUG Plans

- **Update City of Denton Plan (Frank Pugsley, City of Denton)** – It was requested to move the implementation date of the ‘20 MGD WTP Expansion – Ray Roberts’ Project from 2050 to 2040 and the ‘30 MGD WTP Expansion – Ray Roberts’ Project from 2060 to 2050.
- **Update City of Keller Plan (Alonzo Linan, City of Keller)** – It was requested to remove the ‘Additional Delivery Infrastructure from Fort Worth’ Project. This project will be completed before the cutoff date for existing projects. Costs for this project were included in the IPP as Table H.158. To maintain consistent numbering there is no longer a Table H.158 and all other WMS’s have retained their previous designations.
- **Update City of Weatherford Description (Rick Shaffer, City of Weatherford)** – Minor rewording of Weatherford’s section in Chapter 5E.
- **Update City of Wilmer Plan (Donald McKinney, City of Wilmer)**– The City of Wilmer’s “Direct Connection to Dallas” water management strategy was updated throughout the plan to reflect that this strategy would be needed in 2020 (not 2070).
- **Update Cash SUD Plan (Tony Smith, Region D Consultant)** – Cash SUD is a water user located primarily in Region D but with a portion of demand located within Region C. Cash SUD requested that their existing contract with NTMWD be updated to reflect a maximum of 1.0 MGD (1,120 acre-feet per year). The contract was previously limited to 2.2 MGD (2,466 acre-feet per year).
- **Update City of Fort Worth Plan (Christopher Harder, City of Fort Worth)** – Existing supplies for the City of Fort Worth were updated to correct for an error in how the “TRWD Raw Water” existing supplies were being shown in Table 5D.4. The “General – 50 MGD Expansion 5” and “General 50 MGD Expansion 6” were removed as projects.
- **Update City of Prosper Plan** – Infrastructure costs were updated to reflect the quantity of additional supplies needed from NTMWD.
- **Update City of Blooming Grove Plan** – The City of Blooming Grove requested to remove the water management strategy “Blooming Grove – New Well(s) in Woodbine Aquifer” from the Region C Water Plan (Table H.14 in Appendix H).
- **Update of Tarrant Regional Water District Plan** – Updated ‘**Table 5D.9 Summary of Major Water Provider Plan – Tarrant Regional Water District**’ to include demands from Sardis-Lone Elm in the Potential Future Customers section.

Q.4.2 Other

- **Update to Final 2021 Regional Water Plan Deadlines (Sarah Backhouse, TWDB)** – The TWDB issued a letter to all regional water planning groups outlining revised regional planning deadlines. The deadline to submit the final regional water plans to the TWDB

was extended from 10/14/2020 to 11/5/2020 and the data entry deadline was extended from 9/14/2020 to 10/6/2020.

- **Removed Capital Costs for Specific Conservation Projects** – The conservation projects for time-of-day irrigation restriction, twice weekly irrigation restriction, and water waste prohibition were determined to be better represented without a capital cost. Based on TWDB guidelines, removal of capital costs caused these measures to no longer be considered as projects. However, these conservation measures remain as strategies in the 2021 Region C Water Plan with annual costs associated with ordinance and enforcement costs.
- **Update of NTMWD Service Area** – The figure in Appendix G for the “NTMWD Carrizo-Wilcox Groundwater from Region I” water management strategy was updated to include the updated NTMWD service area shapefile.
- **Update of Appendix H Text** – Appendix H section **H.3 Assumptions for Annual Cost** was updated to include description of the assumption that large non-reservoir projects (projects costs greater than \$250 million) were assumed to be amortized over 30 instead of 20 years. This was discussed and approved by major water providers during the planning process.

Attachment Q-1

Comments on Initially Prepared Plan

Attachment Q – Summary of Agency Comments

Count	Name	Representing/Subject Line
1.	Jessica Zuba	Texas Water Development Board
2.	Cindy Loeffler	Texas Parks and Wildlife
3.	Barry Mahler, Rex Isom	Texas State Soil and Water Conservation Board

Attachment Q – Summary of Public Comments

Count	Name	Representing/Subject Line
<i>Oral Comments Received at Public Hearing</i>		
1.	Janice Bezanson	Texas Conservation Alliance
2.	Ronna Hartt	Upper Trinity Regional Water District
3.	Ben Jones	Dallas resident
<i>Comments Received via Letter or Report Format</i>		
4.	Larry N. Patterson	Upper Trinity Regional Water District
5.	Janice Bezanson	Texas Conservation Alliance
6.	Rita Beving	Region C Comments from Rita Beving w/ Attachments
<i>Comments Received via Email</i>		
7.	Adelia Jones	Marvin Nichols Reservoir
8.	Alan Kazdoy	Marvin Nichols Reservoir
9.	Alex Holland	Opposed to Marvin Nichols Reservoir
10.	Alexander	NO to Marvin Nichols Reservoir!
11.	Allen Majefski	Stop reservoir
12.	Ashley Monismith	Opposition to Marvin Nichols Reservoir in Region C Water Plan
13.	Augustine Jalomo	Oppose the Marvin Nichols Reservoir
14.	Becky Lum	Marvin Nichols
15.	Brianna Veerasammy	Marvin Nichols Reservoir
16.	Carol Nash	Marvin Nichols Reservoir
17.	Caroline Vornberg	Do NOT build Marvin Nichols Reservoir!!! and Do not fund Marvin Nichols
18.	Cathy Wallace	Marvin Nichols Reservoir
19.	Chris Guldi	No to Marvin Nichols Reservoir
20.	Dalenn Maxwell	Marvin Nichols Reservoir comments
21.	Dan Moulton	Marvin Nichols reservoir
22.	Dawn Spalding	Region C Water Plan
23.	Dick Schoech	Do not build Marvin Nichols Reservoir.
24.	Grecia Alfaro	Building Reservoirs is out-dated
25.	Ida Ghorbani	URGENT: Region C Water Plan
26.	Jack Hughes	Remove the Marvin Nichols Reservoir from the Region C water plan
27.	Jan Falcona	No On Reservoir
28.	Jan Miller	No to Marvin Nichols Reservoir

Count	Name	Representing/Subject Line
29.	Jay B	Please drop M Nichols Reservoir
30.	Jeff Lu	Opposing Marvin Nichols Reservoir
31.	Jo Ann Duman	Coment on Region C Water Supply Plan
32.	John Lingenfelder	Comments on the 2021 IPP for Region C.
33.	John Mayes	Marvin Nichols
34.	John Mendy	Marvin Nichols Reservoir
35.	John Brooks	Region C IPP
36.	Julie Ryan	Deny Marvin Nichols Reservoir
37.	Julie Thibodeaux	SAVE THE OLD FORESTS – DROP MARVIN NICHOLS RESERVOIR OUT OF WATER PLAN
38.	Karen Dyer	Marvin Nichols Reservoir – please read
39.	Karla Zemler	Marvin Nicoles Reservoir
40.	Kathy Lawrence	Please DO NOT Build Marvin Nichols Reservoir
41.	Kelly Longfellow	Region C Water Plan: Marvin Nichols
42.	Kirk Miller	Region C Water Plan
43.	Kohl Zierath	Do the right thing!
44.	Kristi Purviance	Marvin Nichols Comment
45.	Layla Gulley	\$4.4 B Marvin Nichols Reservoir
46.	Lori Lewis	Marvin Nichols Reservoir
47.	Maria Mar	No Marvin Nichols Reservoir!
48.	Marla Ballard	Marvin Nichols Reservoir
49.	Mary Cato	Marvin Nichols Reservoir
50.	Mary Warren	Better water plans to end the Marvin Nichols Reservoir project
51.	Marylee Thomason	Marvin Nicholas reservoir NO!
52.	Maureen Kellen-Taylor	Marvin Nichols Reservoir
53.	Melinda EB	For Kevin Ward (Marvin Nichols Res & the Region C Plan)
54.	Michael Martin	NO Marvin Nichols reservoir
55.	Michele Cyr	Marvin Nichols Reservoir
56.	MJ Bivens	Marvin Nichols Reservoir.
57.	Molly Rooke	Remove Marvin Nichols Reservoir from the Region C water plan
58.	Paula Day	Opposition to Marvin Nichols Reservoir
59.	Peggy Henger	Water Conservation
60.	Penelope Bisbee	Marvin Nichols Reservoir - No
61.	Rachel Ford	SAY NO to the Marvin Nichols Reservoir Project
62.	Rebecca Marin	Marvin Nichols Reservoir
63.	Richard Guldi	Don't build Martin Nichols Reservoir
64.	Richard Rivera	NO to Region C Water Plan
65.	Roger Arnold	Marvin Nichols Reservoir
66.	Ryan Hamilton	Cancel the Marvin Nichols Reservoir
67.	Sahan Yerram	Don't Build The Marvin Nichols Reservoir

Count	Name	Representing/Subject Line
68.	Seylah Williams	
69.	Sharon Richey	I urge you to vote NO!
70.	Simon Rook	No to Marvin Nichols Reservoir in the Region C water plan
71.	Stacy Clark	No on the reservoir.
72.	Steven Sverdlik	Marvin Nichols Reservoir
73.	Susan Cowger	Marvin Nichols Reservoir
74.	Tolbert Greenwood	Opposition to Marvin Nichols Reservoir
75.	William Cage	Marvin Nichols Water Reservoir
76.	William Forbes	Marvin Nichols Reservoir proposal

Appendix Q
Agency Comments

Texas Water Development Board

P.O. Box 13231, 1700 N. Congress Ave.
Austin, TX 78711-3231, www.twdb.texas.gov
Phone (512) 463-7847, Fax (512) 475-2053

Mr. J. Kevin Ward, Chair
c/o Trinity River Authority
P.O. Box 60
Arlington, Texas 76004

Re: Texas Water Development Board Comments for the Region C Regional Water
Planning Group Initially Prepared Plan, Contract No. 1548301831

Dear Mr. Ward:

Texas Water Development Board (TWDB) staff have completed their review of the Initially Prepared Plan (IPP) submitted by March 3, 2020 on behalf of the Region C Regional Water Planning Group (RWPG). The attached comments follow this format:

- **Level 1:** Comments, questions, and data revisions that must be satisfactorily addressed in order to meet statutory, agency rule, and/or contract requirements; and,
- **Level 2:** Comments and suggestions for consideration that may improve the readability and overall understanding of the regional water plan.

Please note that rule references are based on recent revisions to 31 Texas Administrative Code (TAC) Chapter 357, adopted by the TWDB Board on June 4, 2020. 31 TAC § 357.50(f) requires the RWPG to consider timely agency and public comment. Section 357.50(g) requires the final adopted plan include summaries of all timely written and oral comments received, along with a response explaining any resulting revisions or why changes are not warranted. Copies of TWDB's Level 1 and 2 written comments and the region's responses must be included in the final, adopted regional water plan (*Contract Exhibit C, Section 13.1.2*).

Standard to all planning groups is the need to include certain content in the final regional water plans that was not yet available at the time that IPPs were prepared and submitted. In your final regional water plan, please be sure to also incorporate the following:

- a) Completed results from the RWPG's infrastructure financing survey for sponsors of recommended projects with capital costs, including an electronic version of the survey spreadsheet [*31 TAC § 357.44*];

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- b) Completed results from the implementation survey, including an electronic version of the survey spreadsheet [31 TAC § 357.45(a)];
- c) Documentation that comments received on the IPP were considered in the development of the final plan [31 TAC § 357.50(f)]; and
- d) Evidence, such as a certification in the form of a cover letter, that the final, adopted regional water plan is complete and adopted by the RWPG [31 TAC § 357.50(h)(1)].

Please ensure that the final plan includes updated State Water Planning Database (DB22) reports, and that the numerical values presented in the tables throughout the final, adopted regional water plan are consistent with the data provided in DB22. For the purpose of development of the 2022 State Water Plan, water management strategy and other data entered by the RWPG in DB22 shall take precedence over any conflicting data presented in the final regional water plan [Contract Exhibit C, Sections 13.1.3 and 13.2.2].

Additionally, subsequent review of DB22 data is being performed. If issues arise during our ongoing data review, they will be communicated promptly to the planning group to resolve. Please anticipate the need to respond to additional comments regarding data integrity, including any source overallocations, prior to the adoption of the final regional water plans.

The provision of certain content in an electronic-only form is permissible as follows: Internet links are permissible as a method for including model conservation and drought contingency plans within the final regional water plan; hydrologic modeling files may be submitted as electronic appendices, however all other regional water plan appendices should also be incorporated in hard copy format within each plan [31 TAC § 357.50(g)(2)(C), Contract Exhibit C, Section 13.1.2 and 13.2.1].

The following items must accompany, the submission of the final, adopted regional water plan:

- 1. The prioritized list of all recommended projects in the regional water plan, including an electronic version of the prioritization spreadsheet [31 TAC § 357.46]; and,
- 2. All hydrologic modeling files and GIS files, including any remaining files that may not have been provided at the time of the submission of the IPP but that were used in developing the final plan [31 TAC § 357.50(g)(2)(C), Contract Exhibit C, Section 13.1.2, and 13.2.1].

The following general requirements that apply to recommended water management strategies must be adhered to in all final regional water plans including:

- 1. Regional water plans must not include any recommended strategies or project costs that are associated with simply maintaining existing water supplies or replacing existing infrastructure. Plans may include only infrastructure costs that are associated with volumetric increases of treated water supplies delivered to water user groups or that result in more efficient use of existing supplies [31 TAC § 357.10(39), § 357.34(e)(3)(A), Contract Exhibit C, Sections 5.5.2 and 5.5.3]; and,

2. Regional water plans must not include the costs of any retail distribution lines or other infrastructure costs that are not directly associated with the development of additional supply volumes (e.g., via treatment) other than those line replacement costs related to projects that are for the primary purpose of achieving conservation savings via water loss reduction [*§ 357.34(e)(3)(A), Contract Exhibit C, Section 5.5.3*].

Please be advised that, within the attached document, your region has received a comment specifically requesting that the RWPG provide the basis for how the RWPG considers it feasible that certain water management strategies will actually be implemented by January 5, 2023 (see Level 1, Comment 1), especially for projects with long lead times. This comment is aimed at making sure RWPGs do not present projects in their plans to provide water during the 2020 decade that cannot reasonably be expected to be online, and provide water supply, by January 5, 2023. For project types whose drought yields rely on *previously stored water*, the 2020 supply volume should take into consideration reasonably expected accumulated storage that would already be available in the event of drought. The RWPG must adequately address this Level 1 comment in the final, adopted regional water plan, which might require making changes to your regional plan.

It is preferable that RWPGs adopt a realistic plan that acknowledges the likelihood of unmet needs in a near-term drought, rather than to present a plan that overlooks reasonably foreseeable, near-term shortages due to the inclusion of unrealistic project timelines. If a '2020' decade project cannot reasonably be expected to come online by January 2023, for example if a reservoir has not started the permitting process, it should be moved to the 2030 decade. Any potential supply gaps (unmet needs) created by moving out projects to the 2030 decade may be shown as simply 'unmet' in the 2020 decade or be shown as met by a 'demand management' strategy. Doing so will appropriately reflect the fact that some entities would likely face an actual shortage if a drought of record were to occur in the very near future despite projects (that may be included in the plan but associated with a later decade) that will eventually address those same potential shortages in future years.

It is imperative that you provide the TWDB with information on how you intend to address this comment and all other comments well in advance of your adoption the regional water plan to ensure that the response is adequate for the Executive Administrator to recommend the plan to the TWDB Board for consideration in a timely and efficient manner. Your TWDB project manager will review and provide feedback to ensure all IPP comments and associated plan revisions have been addressed adequately. Failure to adequately address this comment (or any Level 1 comment) may result in the delay of the TWDB Board approval of your final regional water plan.

As a reminder, the deadline to submit the final, adopted regional water plan and associated material to the TWDB is **October 14, 2020**. Any remaining data revisions to DB22 must be communicated to Sabrina Anderson at Sabrina.Anderson@twdb.texas.gov by **September 14, 2020**.

Mr. J. Kevin Ward
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If you have any questions regarding these comments or would like to discuss your approach to addressing any of these comments, please do not hesitate to contact Kevin Smith at (512) 475-1561 or Kevin.Smith@twdb.texas.gov. TWDB staff will be available to assist you in any way possible to ensure successful completion of your final regional water plan.

Sincerely,

**Jessica Pena
Zuba**

Digitally signed by Jessica
Pena Zuba
Date: 2020.06.15 08:59:35
-05'00'

Jessica Zuba
Deputy Executive Administrator
Water Supply and Infrastructure

Date: 6/15/2020

Attachment

c w/att.: Mr. Howard Slobodin, Trinity River Authority
Ms. Amy Kaarlela, Freese & Nichols, Inc.

**TWDB comments on the Initially Prepared 2021 Region C
Regional Water Plan.**

**Level 1: Comments, questions, and data revisions that must be satisfactorily
addressed in order to meet statutory, agency rule, and/or contract requirements.**

1. Chapter 5 and the State Water Planning Database (DB22). The plan includes the following recommended water management strategies (WMS) by WMS type, providing supply in 2020 (not including demand management): one *new major reservoir*, 24 *groundwater wells & other*, seven *indirect reuse*, three *other direct reuse*, and 15 *other surface water*. **Strategy supply with an online decade of 2020 must be constructed and delivering water by January 5, 2023.**
 - a) Please confirm that all strategies shown as providing supply in 2020 are expected to be providing water supply by January 5, 2023. [31 § TAC 357.10(21); Contract Exhibit C, Section 5.2]
 - b) Please provide the specific basis on which the planning group anticipates that it is feasible that the *new major reservoir* and 15 *other surface water*. WMSs will all actually be online and providing water supply by January 5, 2023. For example, provide information on actions taken by sponsors and anticipated future project milestones that demonstrate sufficient progress toward implementation. [31 § TAC 357.10(21); Contract Exhibit C, Section 5.2]
 - c) In the event that the resulting adjustment of the timing of WMSs in the plan results in an increase in near-term unmet water needs, please update the related portions of the plan and DB22 accordingly, and also indicate whether 'demand management' will be the WMS used in the event of drought to address such water supply shortfalls or if the plan will show these as simply 'unmet'. If municipal shortages are left 'unmet' and without a 'demand management' strategy to meet the shortage, please also ensure that adequate justification is included in accordance with 31 TAC § 357.50(j). [TWC § 16.051(a); 31 § TAC 357.50(j); 31 TAC § 357.34(i)(2); Contract Exhibit C, Section 5.2]
 - d) **Please be advised that, in accordance with Senate Bill 1511, 85th Texas Legislature, the planning group will be expected to rely on its next planning cycle budget to amend its 2021 Regional Water Plan during development of the 2026 Regional Water Plan, if recommended WMSs or projects become infeasible, for example, do to timing of projects coming online.** Infeasible WMSs include those WMSs where proposed sponsors have not taken an affirmative vote or other action to make expenditures necessary to construct or file applications for permits required in connection with implementation of the WMS on a schedule in order for the WMS to be completed by the time the WMS is needed to address drought in the plan. [Texas Water Code § 16.053(h)(10); 31 TAC § 357.12(b)]

2. Chapter 2, page 2-89, Attachment 5. Please revise the table header "Wholesale Water Provider" to "Major Water Provider" in the final, adopted regional water plan. *[31 TAC § 357.31(f)]*
3. Section 3.3., Table 3.5, page 3.12. Table 3.5 appears to present counties associated with the Cross Timbers Aquifer that are inconsistent with the DB22. Please reconcile as necessary in the final, adopted regional water plan. *[31 TAC § 357.32(d)]*
4. Appendix E, Section E.9, Table E.9. Several aquifer/county/basin geographic splits with modeled available groundwater (MAG) values of zero appear to be missing from Table E.9, for example Queen City/Freestone; Woodbine/Kaufman/Sabine; Trinity/Rockwall/Sabine; Woodbine/Rockwall/Sabine Basin. Please add these geographic splits to Table E.9 in the final, adopted regional water plan. *[31 TAC § 357.32(d)]*
5. Appendix E, Section E.9, Table E.9. Trinity Aquifer, Jack County, and Nacatoch Aquifer, Henderson County are presented as groundwater availability sources, but these sources are not represented in DB22. Please reconcile this information in the final, adopted regional water plan. *[Contract Exhibit C, Section 3.5.2]*
6. Section 4.2, page 4-5. The plan does not appear to include needs (potential shortages) for major water providers (MWP) reported by category of use including municipal, mining, manufacturing, irrigation, steam electric, mining, and livestock. Please report the results of the needs analysis for MWPs by categories of use as applicable in the region in the final, adopted regional water plan. *[31 TAC § 357.33(b)]*
7. Section 4.5, page 4-6. The plan does not appear to include a secondary needs analysis for MWPs. Please present the results of the secondary needs analysis by decade for MWPs in the final, adopted regional water plan. *[31 TAC § 357.33(e)]*
8. Chapter 5B. The plan includes reuse recommendations in the conservation recommendation subchapter; however, it is noted that conservation and reuse are presented in separate subsections. Please add a clarifying statement to Chapter 5B noting that reuse is considered a unique strategy type for regional water planning purposes and is reported separately in DB22 in the final, adopted regional water plan. *[31 TAC § 357.34(j); Contract Exhibit C, Section 5.10]*
9. Table 5E.258, page 5E-327 and Appendix E page 5. The approved Hydrologic Variance for Region C does not specify the addition of return flows in the modeling that was used for calculating the Lake Jacksboro and the Lost Creek System yield. Please clarify whether Jacksboro's authorized indirect reuse return flows are utilized in the firm yield modeling of the Lost Creek/Jacksboro System yield or are a separate source of supply for the water user groups (WUG) in the final, adopted regional water plan and DB22. *[31 TAC § 357.32(c)]*
10. Chapter 5. Please include documentation of why brackish groundwater desalination was not selected as recommended WMS in the final, adopted regional water plan.

[Texas Water Code § 16.053(e)(5)(j); Contract Exhibit C, Section 5.2; 31 § TAC 357.34(g)]

11. Chapter 5 and Appendix H. The plan does not appear to address how anticipated water losses associated with WMS yields were taken into account. Please provide an estimate of strategy water losses in the final, adopted regional water plan. *[Contract Exhibit C, Section 5.2.3]*
12. Chapter 5 and DB22. The plan includes WMS projects that appear to come online after the related WMS is initially online providing supply. For example, the TRWD - Carrizo-Wilcox Groundwater WMS is reported to provide supply in 2020, however the related WMS project in DB22 does not come online until 2040. For WMS projects that are necessary for a strategy to deliver water, please ensure that the project is associated with the initial decade, or earlier decade, that the strategy is delivering supply. In the event that the resulting adjustment of the timing of WMSs in the plan results in an increase in near-term unmet water needs, please update the related portions of the plan and DB22 accordingly. *[31 TAC § 357.10(21); Contract Exhibit C, Section 5.2]*
13. Appendix G. Some alternative WMS evaluations are assigned an implementation decade of NA in the plan, however associated alternative projects in DB22 are assigned an online decade. For example, George Parkhouse Reservoir I (South) is noted NA in Section G.3.1, but alternative projects in DB22 reflects an online decade of 2050, and Lake O' the Pines is noted NA in Section G.5.3 but the alternative project in DB22 reflects an online decade of 2030. Please ensure that all alternative WMSs have been fully evaluated in accordance with rule and guidance, revise the online decade information in the text of the plan to reflect the online decade in DB22, and ensure that all fully evaluated alternative WMS are included in DB22, in the final, adopted regional water plan. *[31 TAC § 357.35(g)(3); 31 TAC § 357.50(g)(2)(B); Contract Exhibit C, Section 5.7]*
14. Section 5.C.17, page 5C-9, 1st paragraph. The plan appears to present information on the yield for Marvin Nichols Reservoir that is inconsistent with the Table 5A.1 and DB22. For example, page 5C-9 presents the yield for water users within Region C as 361,000 ac-ft/yr and the yield is presented as 361,200 ac-ft/yr in Table 5A.1 and in DB22. Additionally, the firm yield of 451,300 ac-ft/yr presented on page 5C-9 does not appear to match the firm yield represented in DB22 as 451,500 ac-ft/yr. Please reconcile this information as necessary in the final, adopted regional water plan. *[31 TAC § 357.35(g)(1)]*
15. Chapter 5E. The plan appears to include non-recommended or alternative strategies in the county summary tables. For example, Table 5E.411 includes zero yield for Wise County Manufacturing Conservation, but page 5E.510 states that conservation for Wise County Manufacturing is not recommended. Table 5E.410 for example, includes strategy types that are not recommended for Wise County and lists a zero yield. Please remove any zero yield strategy references from the County Summary tables in the final, adopted regional water plan to avoid confusion, since regional

water plans may not include zero yield recommended strategies. [31 TAC § 357.34(d)]

16. Appendix G.2.2. It is not clear from the plan what is included in the capital cost estimates for the Generic Dredging WMS. Page G.13 states that "Capital costs were based on previous projects and dredging costs.", and Table H.16 does not provide details on the capital cost components. Please provide additional details of the project components associated with the capital cost in the final, adopted regional water plan. [Contract Exhibit C, Section 5.5]
17. Appendix G.3.9. The plan displays a 2080 online decade for the Toledo Bend alternative WMS, however DB22 reports several alternative projects for Toledo Bend with an assigned 2030 online decade. Please reconcile as necessary, including assigning an implementation decade within the current planning horizon (2020-2070) in the final, adopted regional water plan. [Contract Exhibit C, Section 5.7]
18. Appendix H, Table H.45. It is not clear from the plan what is included in the capital costs estimates for the NTMWD - Additional Measures to Access Full Lavon Yield WMS project. The capital costs presented in Table H.45 are listed as Construction Costs. Please provide additional details of the project components associated with the capital cost in the final, adopted regional water plan. [Contract Exhibit C, Section 5.5]
19. Appendix H, Table H.95. The City of Irving indirect reuse project does not specify any components associated with the capital cost. Please clarify what projects components are included in the cost estimates for this project in the final, adopted regional water plan. [Contract Exhibit C, Section 5.5.3]
20. Units costs reported in DB22 appear notably high for the following WMSs: Conservation, Water Loss Control – Bedford (\$1,762,821), Conservation, Water Loss Control – Blue Ridge (\$83,014, \$61,208, \$59,296, \$61,034), TRWD – Carrizo-Wilcox Groundwater – Bethesda WSC (\$798,375). Please confirm that the calculated unit costs are correct in DB22 and that costs were considered in WMS recommendations in the final, adopted regional water plan. [31 TAC § 357.34(e)(2)]
21. Appendix H, Table H.131. It is not clear from the plan whether the 'Pump Replacement at WTP' component of the Athens MWA - Infrastructure Improvements at WTP project is necessary to increase the treated water supply volume to the entity. Please ensure that no infrastructure maintenance or repair costs and only costs that are required to increase the volume of water supply are included in the final, adopted regional water plan. [Contract Exhibit C, Section 5.5.3]
22. Chapter 5. The contract Scope of Work, Task 5A, 21)e)vi indicates that Lake Ringgold will be evaluated as a potential strategy for TRWD, however Lake Ringgold does not appear to be mentioned in the plan. Please document in the final, adopted regional water plan why Lake Ringgold, a previously recommended strategy in

regional water plans, was not evaluated as a potentially feasible strategy. *[Contract Scope of Work, Task 5A]*

23. Section 7.3, page 7-8. The plan indicates that a list of emergency interconnects would be submitted to the TWDB separately. At the time of review, the TWDB has not received additional emergency interconnect information from the region. Please ensure that the full list of existing and potential emergency interconnects is included in the final, adopted regional water plan. *[31 TAC § 357.42(d)]*
24. Section 7.4, pages 7-8 through 7-9. Please confirm whether the entities evaluated for emergency responses to local drought conditions or loss of municipal supply were assumed to have 180 days or less of remaining supply. *[Contract Exhibit C, Section 7.4]*
25. Chapter 7. The plan does not appear to include a discussion of whether drought contingency measures have been recently implemented in response to drought conditions. Please describe this in the final, adopted regional water plan. *[Contract Scope of Work, Task 7, subtask 3]*
26. Chapter 10, Section 10.4.2. The plan notes that all meetings were held in accordance with the Texas Open Meetings Act but does not discuss compliance with the Texas Public Information Act. Please address how the planning group complied with the Texas Public Information Act in the final, adopted regional water plan. *[31 TAC §357.21; 31 TAC §357.50(f)]*
27. Chapter 11. Please provide a reference to the Implementation Survey (Appendix P) in Chapter 11 of the final, adopted regional water plan. *[31 TAC § 357.45(a)]*
28. Chapter 11. Please provide a brief summary of how the 2016 Plan differs from the 2021 Plan with regards to recommended and alternative WMS *projects* in the final, adopted regional water plan. *[31 TAC § 357.45(b)(4)]*

<p>Level 2: Comments and suggestions for consideration that may improve the readability and overall understanding of the regional water plan.</p>
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1. Page 1.19 and Table 1.7. The Blossom Aquifer is indicated as being a groundwater source within Fannin County in Region C, however the Blossom Aquifer is not present in Fannin County. Please review this and consider revising as necessary.
2. Page 1-30, page 5B.35, and page 5D.44. The plan references the Sulphur Basin Supplies WMS in multiple locations, however the strategy has been renamed this planning cycle. Please update these references as appropriate in the final plan.
3. Chapter 3. Please consider including a map of Cross Timbers Aquifer.
4. Page 3-12, Table 3.5. Please consider revising the heading of Table 3.5 to Groundwater Availability in Region C (Acre-Feet per Year).

5. Section 3.4, page 3.13 states: "Table 3.6 and Figure 3.2 show the currently available water supplies in Region C by different source types", however Figure 3.2 is a map of the GCDs in Region C. Please correct this as appropriate in the final plan.
6. Section 5A.1.1, page 5A-2. Please consider revising the sentence stating that 140 GPCD is the state goal for municipal water conservation. This is a recommendation from the Water Conservation Implementation Task Force, rather than a state goal.
7. Section 5E.16.1, Table 5E.406, page 5E-11. The plan states that conservation is not recommended for Wise County Mining, however Table 5E.406 and DB22 show conservation WMS supply for this WUG. Please reconcile this as necessary in the final plan.
8. Chapter 11, p. 11-1, the highlight box indicates that Lake Fork and Lake Tawakoni are among the eastern reservoirs with new droughts of record. Please consider reconciling the apparent inconsistency of information as reported in App E, p. 4 and as highlighted in Chapter 11, p. 11-1.
9. Appendix E. The table of contents for Appendix E is not consistent with the contents. Please review and reconcile in the final plan.
10. Appendix E, page 4, please consider providing a reference for the statement: "It should be noted that the recent drought (2010-2015) did not represent a new drought of record for Lake Fork or Lake Tawakoni".
11. Appendix G, pages G.36 and G.42. The Texas Instream Flow Program (Senate Bill 2) is erroneously equated with the TCEQ's environmental flow rulemaking process (Senate Bill 3). Please consider revising this in the final plan.
12. Appendix H, page H-1. The plan appears to include outdated references including reference to TWDB's guidance from the fourth cycle, reference to cost assumptions in the 2016 plan, and a memo from 2013. Please consider updating these references as appropriate in the final plan.
13. Appendix H. The plan includes several cost tables, for example, H.46, H.58, that include Conflicts as a line item under capital cost, Total Cost of Facilities. Please consider clarifying what is included as a conflict capital cost and consider incorporating this cost into the Total Cost of the Project cost section.
14. Please consider clarifying the increase and reasonableness in demand reduction for reported in DB22 for South Ellis County WSC in decades 2060 and 2070, which results in a demand reduction of over 40 percent of the total demands in those decades.
15. Appendix A. Please consider updating the 'Consistency with TWDB Rules' appendix to reflect updated rule references, based on amendments to 31 TAC Chapter 357 adopted by the TWDB Board on June 4, 2020.



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Executive Director

July 17, 2020

Mr. J. Kevin Ward, RCWPG Chair
Region C Regional Water Planning Group
c/o Trinity River Authority
P.O. Box 60
Arlington, Texas 76004

Re: 2021 Region C Initially Prepared Regional Water Plan

Dear Mr. Ward:

Thank you for seeking review and comment from the Texas Parks and Wildlife Department ("TPWD") on the 2021 Initially Prepared Regional Water Plan for Region C (IPP). Thank you for the Region's responsiveness to TPWD's comments in previous planning cycles. Water impacts every aspect of TPWD's mission to manage and conserve the natural and cultural resources of Texas. Although TPWD has limited regulatory authority over the use of state waters, we are the agency charged with primary responsibility for protecting the state's fish and wildlife resources. To that end, TPWD offers these comments intended to help avoid or minimize impacts to state fish and wildlife resources.

TPWD understands that regional water planning groups are guided by 31 TAC §357 when preparing regional water plans. These water planning rules spell out requirements related to natural resource and environmental protection. Accordingly, TPWD staff reviewed the IPP with a focus on the following questions:

- Does the IPP include a quantitative reporting of environmental factors including the effects on environmental water needs and habitat?
- Does the IPP include a description of natural resources and threats to natural resources due to water quantity or quality problems?
- Does the IPP discuss how these threats will be addressed?
- Does the IPP describe how it is consistent with long-term protection of natural resources?
- Does the IPP include water conservation as a water management strategy?
- Does the IPP include Drought Contingency Plans?
- Does the IPP recommend any stream segments be nominated as ecologically unique?
- Does the IPP address concerns raised by TPWD in connection with the 2016 Water Plan?

The population of Region C, which comprises 25 percent of Texas' population, was nearly 6.5 million in 2010 and is expected to more than double to 14.7 million by 2060. Approximately 90 percent of the current water use in Region C is for municipal supply. Regional water use, which was about 1.34 million acre-feet in 2016 is expected to nearly double to 2.9 million acre-feet by 2070, based on dry year demands. According to the

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Region C IPP dry year demands are 10-15 percent higher than normal year demands, especially for municipal use because of increased lawn irrigation use.

Chapter 1 adequately describes the natural resources in Region C and how water development projects threaten these natural resources. Details of water related threats to natural resources are briefly summarized in Chapter 1, including invasive species, changes to natural flow conditions, water quality concerns, and inundation due to reservoir development. Chapter 6, Section 6.4 is referenced in Chapter 1 where further information on how the plan is consistent with the long-term protection of the State's natural resources is presented. Please note there have been recent updates (March 30, 2020) to the list of federal and state listed species and Species of Greatest Conservation need, including species in Region C counties. We recommend that you update Table 1.14 with the latest information that is available at:

https://tpwd.texas.gov/huntwild/wild/wildlife_diversity/nongame/listed-species/.

According to the IPP, groundwater development and the resulting water level declines have caused many springs to disappear and greatly diminished the flow from those that remain. New groundwater supplies in the Region are limited since most groundwater has already been developed. In addition, concern about groundwater drawdown is likely to prevent any substantial increase in groundwater use in Region C and may require conversion to surface water in some areas. TWDB planning rules now require that groundwater supplies not exceed the Modeled Available Groundwater (MAG) values that were determined to meet the desired future conditions (DFCs) of the groundwater source. However, DFCs adopted in 2017 for the primary aquifer in Region C, the Trinity, do not address protection of springs. Ultimately TPWD would like to see DFCs adopted to protect these features.

Water conservation and reuse, the two most environmentally benign strategies, comprise 32 percent of the recommended strategies for meeting future water demands in Region C. Other proposed water management strategies (WMS) include interbasin transfers from existing surface water supplies (Lake Palestine) interbasin transfer and desalination of water from Lake Texoma, interbasin transfer of water from the Neches and Sulphur Basins, and construction of five new reservoirs: Bois d'Arc Lake (presently being built), Lake Ralph Hall, Tehuacana Reservoir, Marvin Nichols Reservoir, and Lake Columbia. interbasin transfers from Toledo Bend Reservoirs is included as an alternative water management strategy.

Quantitative reporting of environmental factors impacted by water management strategies is covered in Appendix G and additional quantitative information in Appendix J for Marvin Nichols Reservoir. The environmental information is similar to what was included in the 2016 Region C Water Plan. However, in the 2021 IPP the Sulphur Basin Supplies Strategy has been separated into two distinct strategies. The Wright Patman strategy assumes the reallocation of flood storage to elevation 235 MSL. The other strategy involves a larger footprint of the Marvin Nichols Reservoir site with a conservation pool elevation of 328.0 MSL. TPWD appreciates the inclusion of new quantitative information in the plan including potential habitat impacts, in stream miles, for the state listed Creek Chubsucker

for George Parkhouse I and II, and Marvin Nichols reservoirs. Estimated environmental flow requirements based on the Trinity Basin Water Availability Model are provided for Tehuacana Creek Reservoir. TPWD continues to have concerns regarding impacts from new reservoir strategies as well as increased elevation at Wright Patman and encourages Region C to continue to update and improve the quantitative environmental information as it becomes available. TPWD looks forward to continued coordination with project sponsors to avoid, minimize and mitigate impacts to fish and wildlife resources.

Water conservation and reuse comprise 32 percent of the recommended strategies for meeting future water demands in Region C. According to the IPP, about half of the water used for municipal supply in Region C is discharged as treated effluent from wastewater treatment plants, making wastewater reclamation and reuse a potentially significant source of water supply for the region. TPWD commends Region C for progress made toward implementing water conservation strategies towards meeting the statewide goal of 140 gallons per person per day, as illustrated by Figure 5B.6.

The IPP describes how it is consistent with the long-term protection of natural resources. Section 6.4 highlights how Region C plans to use conservation, reuse, full utilization of existing surface supplies (committed and non-committed), and ground water to limit the need of new surface water supplies. These steps to protect water resources will benefit natural resources in Region C and Region D. Based on current projected population growth and water demands, Region C is planning for five new reservoirs: Bois d'Arc Lake (presently being built), Lake Ralph Hall, Tehuacana Reservoir, Marvin Nichols Reservoir, and Lake Columbia. The plan acknowledges that these reservoirs will have significant impact on natural resources and plan to address those impacts through the state and federal permitting processes required for these projects. To be further consistent with the long-term protection of natural resources TPWD recommends that Region C continue to seek alternatives to new surface water supplies such as additional water conservation measures and further study of all potential water management strategies such as aquifer storage and recovery and desalination.

As in the previous planning cycles TPWD staff appreciates the time the planning group gave to evaluating whether to recommend stream segments as ecologically unique. Ultimately the workgroup and the Region C voting members decided not to recommend stream segments as ecologically unique due to concerns about regulatory implications of recommending and designating an ecologically unique stream segments. TPWD continues to support regional water planning groups in recommending ecologically unique river and stream segments. While TPWD does not have immediate plans to update the information for Ecologically Significant River and Stream Segments of Region C that was initially prepared by the department in 2000, we would support an update if Region C would find it beneficial in making a decision to recommend a river or stream segment as ecologically unique. New natural resources information is likely available for the river and stream segments the department has identified as well as for other segments not yet identified as

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July 27, 2020

candidates for the ecologically unique designation. We also support the planning group's legislative recommendation to form a working group comprised of representatives of TWDB, TPWD, TCEQ, and the sixteen water planning regions to bring clarity, purpose, and direction to designating streams as ecologically unique.

Section 1.11.3 of the 2021 IPP addresses TPWD's 2015 comments regarding invasive species and includes updated information regarding present known status of zebra mussels in Region C. Transporting zebra mussels is illegal. To prevent the transmission of invasive species TPWD recommends avoiding transport of water from basins where these species are known to occur. If this is unavoidable these transfers of water should be directly to water treatment plants.

Thank you for your consideration of these comments. TPWD looks forward to continuing to work with the planning group to develop water supply strategies that not only meet the future water supply needs of the region but also preserve the ecological health of the region's aquatic resources. Please contact me at (512) 389-8715 or Cindy.Loeffler@TPWD.Texas.gov if you have any questions or comments.

Sincerely,

Cindy Loeffler, Chief
Water Resources Branch

CL:lc

CC: Adam Whisenant, Coastal Fisheries Division

Barry Mahler, Chairman
Marty H. Graham, Vice Chairman
Scott Buckles, Member
José O. Dodier, Jr., Member



David Basinger, Member
Tina Y. Buford, Member
Carl Ray Polk, Jr., Member
Rex Isom, Executive Director

TEXAS STATE SOIL AND WATER CONSERVATION BOARD
Protecting and Enhancing Natural Resources for Tomorrow

June 18, 2020

Mr. Kevin Ward
Region C Chair

Dear Mr. Ward;

For the past 2 years the Texas State Soil and Water Conservation Board (TSSWCB) has been participating in the Texas Water Development Board's (TWDB) Regional Water Planning meetings as directed by Senate Bill 1511, passed in the 2017 legislative session. We appreciate being included in the process and offer these constructive comments to the regional water plans and ultimately the State water plan.

As you may know 82% of Texas' land area is privately-owned and are working lands, involved in agricultural, timber, and wildlife operations. These lands are important as they provide substantial economic, environmental, and recreational resources that benefit both the landowners and public. They also provide ecosystem services that we all rely on for everyday necessities, such as air and water quality, carbon sequestration, and wildlife habitat.

With that said, these working lands are where the vast majority of our rain falls and ultimately supply the water for all of our needs, such as municipal, industrial, wildlife, and agricultural to name a few. Texas' private working lands are a valuable resource for all Texans.

Over the years, the private landowners of these working lands have been good stewards of their property. In an indirect way they have been assisting the 16 TWDB's Regional Water Planning Groups in achieving their goals through voluntary incentive-based land conservation practices.

It has been proven over time if a raindrop is controlled where it hits the ground there can be a benefit to both water quality and water quantity. Private landowners have been providing benefits to our water resources by implementing Best Management Practices (BMP) that slow water runoff and provide for soil stabilization, which also slows the sedimentation of our reservoirs and allows for more water infiltration into our aquifers.

1497 Country View Lane • Temple, TX 76504-8806
Phone: 254-773-2250 • Fax: 254-773-3311
<http://www.tsswcb.texas.gov>

Some common BMPs include brush management, prescribed grazing, fencing, grade stabilization, irrigation land leveling, terrace, contour farming, cover crop, residue and tillage management, and riparian herbaceous cover.

The TSSWCB has been active with agricultural producers since 1939 as the lead agency for planning, implementing, and managing coordinated natural resource conservation programs for preventing and abating agricultural and siccultural nonpoint sources of water pollution.

The TSSWCB also works to ensure that the State's network of over 2,000 flood control dams are protecting lives and property by providing operation, maintenance, and structural repair grants to local government sponsors.

The TSSWCB successfully delivers technical and financial assistance to private landowners of Texas through Texas' 216 local Soil and Water Conservation Districts (SWCD) which are led by 1,080 locally elected district directors who are active in agriculture. Through the TSSWCB Water Quality Management Plan Program (WQMP), farmers, ranchers, and silviculturalists receive technical and financial assistance to voluntarily conserve and protect our natural resources. Participants receive assistance with conservation practices, BMPs, that address water quality, water quantity, and soil erosion while promoting the productivity of agricultural lands. This efficient locally led conservation delivery system ensures that those most affected by conservation programs can make decisions on how and what programs will be implemented voluntarily on their private lands.

Over time, lands change ownership and many larger tracts are broken up into smaller parcels. Most new landowners did not grow up on working lands and therefore may not have a knowledge of land management techniques. The TSSWCB is writing new WQMPs for these new landowners who are implementing BMPs on their land. Education and implementation of proper land management and BMPs continues to be essential. Voluntary incentive-based programs are essential to continue to address soil and water conservation in Texas.

These BMPs implemented for soil and water conservation provide benefits not only to the landowner but ultimately to all Texans and our water supply.

Respectfully,



Barry Mahler
Chairman



Rex Isom
Executive Director

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Appendix Q
Public Comments

Transcript of Oral Comments Received at Public Hearing

1. "The recommendation in the Region C IPP that Marvin Nichols Reservoir be constructed by 2050 is not consistent with the Region C Water Planning Group's charge to develop a plan that is in the best interests of the people of Texas. This reservoir would cost \$4.4 billion. It would permanently inundate 66,000 acres of prime bottomland. It would take perhaps three times that many acres out of production. It would force thousands of Texans to sell their land. It would devastate the timber- and ag-based economy of a 15-county region of Texas. And it would destroy a huge chunk of bottomland hardwood forest, the most biologically productive inland ecosystem. There are ways for Region C to obtain the water it needs that cost less and have dramatically fewer negative impacts. DFW's non-consumptive uses of water, which are primarily for households and human use at businesses, can be met by increased municipal water recycling. There is already significant reuse of the municipal return flows in the region, and more is planned, but the potential for reuse is vastly more than recommended. The Region C IPP recommends the Main Stem Off-Channel Balancing Reservoir to store return flows as well as urban runoff for Dallas Water Utilities, and to facilitate transfer of water. If properly used, this project could facilitate reuse throughout the DFW region. If used in conjunction with other planned increases in municipal reuse, the Main Stem Balancing Reservoir could achieve virtually 100% reuse of Region C return flows. This would assure a drought-proof water supply for all the Metroplex's non-consumptive uses. The vast majority of the region's consumptive use is for lawn and landscape watering. There is already enough water developed to meet those needs for the foreseeable future. Given an increasing population density and more efficient irrigation, a future decline in per capita consumptive water use is inevitable. If additional consumptive demands were to occur in future, those demands could be met by capturing the increased urban run-off that occurs as the region develops. If DFW's return flows are maximally reused and any increased consumptive use comes from increased urban run-off, it is possible that construction of the Main Stem Off-Channel Balancing Reservoir could provide any need for water for the Metroplex during the next fifty years. Choosing a big glitzy project like Marvin Nichols will benefit the engineering, consulting, and construction companies who build the reservoir, but it is a very inefficient way to ensure a reliable water supply for the people of the DFW Metroplex, or the people of Texas."
2. "Good afternoon, this is Ronna Hartt with the Upper Trinity Regional Water District. On behalf of Upper Trinity, I want to thank you for the opportunity to speak today. As the regional water provider for Denton County and portions of Collin, Cooke, Fannin and Wise county, Upper Trinity takes its water supply planning responsibilities very seriously. Accordingly, we've reviewed the proposed water management strategies for the 16-county region, especially those strategies in the 2021 IPP. The population in water demand projections included in the plan for Upper Trinity service area are reasonable and generally consistent with our expectations. Upper Trinity fully supports the IPP and urges its adoption. Upper Trinity will be providing comments in writing prior to the July 27 deadline and we request these revisions be made prior to submission to the Water Development Board. Thank you for the opportunity to speak today."

3. "Hi this is Ben Jones, I live in Region C, specifically in Dallas, and I was just calling to ask that the proposed Marvin Nichols Reservoir be removed from this plan. It just seems incredibly inefficient with something with over a 4 billion dollar price tag, and to take all of that money and to channel into businesses and organizations like engineering firms and other groups, all at the cost of thousands upon thousands of private land owners land, 66 thousand acres worth, seems to me not only inefficient and unwise but un-Texan. I will encourage that Marvin Nichols, the proposed Reservoir, be removed from this plan. Thank you very much."

Appendix Q
Comments Received via Letter or Report Format



P.O. Box 305 • Lewisville, TX 75067

(972) 219-1228 • www.utrwd.com

July 10, 2020

Mr. Kevin Ward
Region C WPG Chair
c/o Trinity River Authority
P.O. Box 60
Arlington, Texas 76004

Re: Support for the 2021 Initially Prepared Region C Water Plan

Dear Mr. Ward: *Kevin*

As the regional water provider for Denton County and portions of Collin, Cooke and Wise Counties, Upper Trinity Regional Water District takes its water supply planning responsibility very seriously. Accordingly, we have reviewed in detail the proposed water management strategies for the 16-county region, especially those strategies listed for Upper Trinity included in the **2021 Initially Prepared Region C Water Plan**.

The population and water demand projections prepared by the RCWPG consultant for the Upper Trinity service area are somewhat lower than our expectations in the first several decades, however Upper Trinity still fully supports the **Initially Prepared Plan** and urges its adoption. Prior to submission to the Texas Water Development Board, we request a few corrections related to Upper Trinity (see enclosures), of specific importance are the corrections to Table H.62 (Lake Ralph Hall and Reuse Cost Estimate).

Please feel free to contact me at 972-219-1228 should you have any questions or need additional information.

Sincerely,

A handwritten signature in blue ink that reads "Larry N. Patterson".

Larry N. Patterson, P.E.
Executive Director

Enclosures: (1)

C: Simone Kiel, P.E., Freese and Nichols, Inc.
Region C – WPG; File

A conservation and reclamation district of the State of Texas.
With vision and courage, we plan. . . . With cooperation and commitment, we serve.

Lake Columbia would provide a new water source near existing water resources for DWU. This makes it easier to operate and maintain as part of the overall DWU system. Dallas' share of the capital cost is estimated at \$313 million. This strategy is recommended for DWU for implementation in 2070. This strategy is also recommended for other users located in Region I. Additional details for this strategy can be found in the corresponding technical memorandum in **Appendix G**.

5C.1.6 Lake Ralph Hall and Reuse

Lake Ralph Hall is a proposed new reservoir on the North Fork of the Sulphur River in Fannin County in Region C. The lake would store 160,235 acre-feet of water and inundate 7,605 acres at the normal pool elevation of 551 feet MSL. This project is sponsored by the Upper Trinity Regional Water District (UTRWD), which has a water right permit to impound Lake Ralph Hall and divert 45,000 acre-feet per year. Of this amount, 39,220 acre-feet per year is firm supply.

7,568 acres

UTRWD intends to reuse the water originating from Lake Ralph Hall. The source of reuse water will be various UTRWD WWTPs in the Lewisville Lake Basin, based on the percentage of effluent that originates from Lake Ralph Hall. This reuse will augment UTRWD's supply in ~~Lewisville Lake~~ at no additional capital cost to UTRWD.

suggest striking "in Lewisville Lake"

The strategy includes construction of the Lake Ralph Hall, a transmission pipeline from the reservoir to a new balancing reservoir, a lake intake pump station (intake is sized for full permitted amount), and land acquisition of the reservoir site and transmission system easements. The Lake Ralph Hall Dam would be constructed

2021 INITIALLY

Project also includes roadway relocations, utility relocations, mitigation, reservoir and administration/support facilities, and temporary facilities to support construction

across the valley of the North Fork Sulphur River near the City of Ladonia. The North Fork of the Sulphur River is a highly eroded channel that continues to erode during high flow events. Lake Ralph Hall Dam and Lake would slow down erosive flows, reduce continued degradation of the downstream channel, and provide storage for water supply.

8 acres of wetlands

Environmental considerations were analyzed as part of the Lake Ralph Hall Environmental Impact Statement. There are ~~no~~ wetlands within the reservoir site. Most of the site consists of grasslands, pastures and cropland. A mitigation plan has been developed for this project, and it has been accepted by TCEQ for the water right and is ~~under review by the U.S. Army Corps of Engineers (USACE) for the federal Section 404 permit~~. The project is expected to be constructed and supplying water by 2030. The development of the reuse supplies from Lake Ralph Hall source water will occur over time beginning as early as 2030. Capital costs to construct this project are estimated at \$443 million. This is a recommended project for UTRWD. Additional details for this strategy can be found in the corresponding technical memorandum in **Appendix G**.

404 permit received Jan 30, 2020

Marvin Nichols Reservoir

The Marvin Nichols Reservoir has been included in the previous four Region C Water Plans (2001, 2006, 2011, and 2016) and is being retained as a potentially feasible strategy for the 2021 Region C Water Plan. Marvin Nichols Reservoir is a potential reservoir located on the Sulphur River in Titus, Red River, and Franklin Counties, about 45 miles west of Texarkana. The reservoir, if constructed, would be approximately 100 miles from the Metroplex. This strategy has historically

5C.7 Summary of Recommended Major Water Management Strategies

Table 5C.1 is a summary of the recommended major water management strategies for Region C. These projects represent the majority of the total supply from strategies. Much of the remaining cost of strategies is associated with infrastructure projects to treat and/or deliver these supplies to water user groups.

match page 5D.48

Table 5C.1 Recommended Major Water Management Strategies for Region C

Strategy	Supplier	Supply (Ac-Ft/Yr)	Supplier Capital Cost	Supplier Unit Cost (\$/1000 gallon)	
				With Debt Service	After Debt Paid
New Surface Water					
Bois d'Arc Lake	NTMWD	120,200	\$939,638,000	\$1.49	\$0.25
Lake Columbia ^b	DWU	56,000	\$322,267,000	\$1.77	\$0.86
Lake Ralph Hall and Reuse	UTRWD	39,220	\$443,090,730	\$2.05	\$0.38
	UTRWD	15,391		\$1.48	\$0.25
Marvin Nichols Reservoir	TRWD, NTMWD, and UTRWD	361,200	\$4,467,478,000	\$2.67	\$0.57
Neches River Run-of-the-River ^a	DWU	47,250	\$261,616,000	\$1.89	\$0.97
Tehuacana Reservoir	TRWD	21,070	\$325,468,000	\$3.28	\$0.96
Wright Patman Reallocation	TRWD, NTMWD, and UTRWD	122,200	\$1,645,711,000	\$2.73	\$0.71
Connection of Existing Supplies					
GTUA Regional System	GTUA – Phase I	15,332	\$243,985,500	\$5.72	\$3.06
	GTUA – Phase II	20,540	\$224,082,500	\$4.75	\$2.93
Integrated Pipeline (IPL)	TRWD	60,263	\$507,733,000	\$0.95	\$0.48
	DWU	-	\$419,835,000	\$0.93	\$0.41
Lake Palestine (Connect to Bachman)	DWU	105,370	\$297,546,000	\$0.52	\$0.05
Lake Texoma	NTMWD – Phase I (Blending)	39,733	\$228,206,000	\$1.23	\$0.28
	NTMWD – Phase II (Blending)	74,733	\$346,367,000	\$1.04	\$0.32
Oklahoma Water	NTMWD	50,000	\$259,924,000	\$1.30	\$0.43

21,179

Lake Ralph Hall Indirect Reuse. UTRWD will be seeking a state water right to reuse return flows from water originating from the Lake Ralph Hall, providing up to 21,179 acre-feet per year available by 2070. The source of this reuse water will be various UTRWD WWTPs in the Lewisville Lake Basin, based on a percentage of effluent that originates from Lake Ralph Hall. This reclaimed water would augment UTRWD's supply in Lewisville Lake.

It will take some years before the full return flow amount is available. Currently much of the area to which UTRWD provides water service is rural and has individual septic systems. It is anticipated that as the area grows, municipal sewer collection systems will be developed, resulting in increased return flow.

Additional Direct Reuse. UTRWD plans to develop up to an additional 2,240 acre-feet per year of direct reuse in Denton County. The specific location of this supply is uncertain and will depend on demands in UTRWD's service area.

Marvin Nichols Reservoir This strategy assumes that Marvin Nichols Reservoir (at 328 MSL) will come online in 2050. This

strategy is a joint recommended strategy for NTWMD, TRWD and UTRWD in Region C. Additionally, 20% of the supplies from Marvin Nichols Reservoir will be reserved for water users in Region D.

Wright Patman Reallocation. This strategy is assumed to come online in 2070. The USACE selected an increase of Lake Wright Patman to an elevation of 235 MSL to be the Tentatively Selected Plan (TSP) in February 2019. Like Marvin Nichols Reservoir, this is a joint recommended strategy for NTMWD, TRWD and UTRWD in Region C.

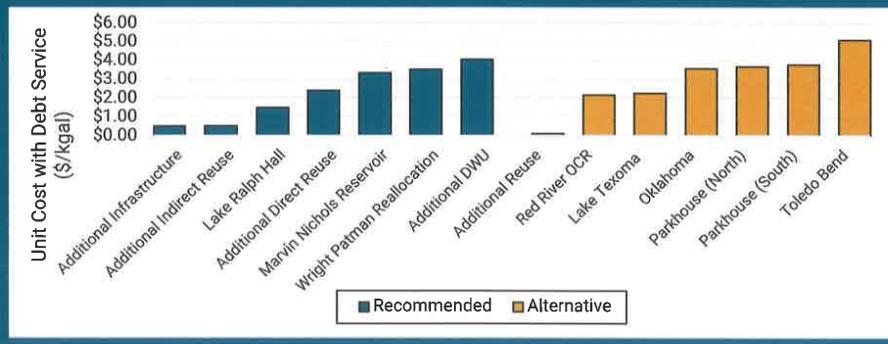
suggest striking "in Lewisville Lake"

Additional Indirect Reuse. The source for this strategy will be the maximum allowable indirect reuse made available from implementation of the Sulphur Basin Supplies water management strategy.

Water Treatment and Distribution Improvements. UTRWD will need to make improvements to its water treatment and distribution system to meet the demands of its customers. UTRWD has developed a capital improvement plan with specific projects through 2035. Estimated costs for improvements after 2035 are also included.

Strategy Unit Costs

Costs were developed for both recommended and alternative strategies. Costs are summarized in Table 5D.15 and Table 5D.16.



Upper Trinity RWD (Ac-Ft/Yr)	2020	2030	2040	2050	2060	2070
Total Supplies	57,844	61,655	59,828	57,248	55,710	54,586
Need (Demand - Supply)	0	14,197	37,823	64,393	85,440	107,774
Contracted Amount from DWU*	42,905	49,097	51,809	52,622	53,281	53,952
Water Management Strategies						
Conservation (Wholesale)	1,508	4,048	5,064	6,256	7,321	8,487
Additional Supplies from DWU (Up to Current Contracts) ^b	1,725	4,246	8,923	12,449	14,554	16,254
Additional DWU (Contract Increase)	0	0	0	5,605	11,210	11,210
Lake Ralph Hall	0	39,220	39,142	39,064	38,986	38,908
Lake Ralph Hall Indirect Reuse	0	13,944	14,689	15,428	15,390	15,391
Additional Direct Reuse	0	560	1,121	2,240	2,240	2,240
Marvin Nichols Reservoir	0	0	0	26,152	26,152	26,152
Wright Patman Reallocation	0	0	0	0	0	8,848
Additional Indirect Reuse	0	0	0	10,340	10,340	13,838
Water Treatment and Distribution Improvements	1,725	57,970	63,875	111,278	118,872	132,841
Total Supplies from Strategies	3,233	62,018	68,939	117,534	126,193	141,328
Total Supplies	61,089	123,673	128,767	174,782	181,903	195,914
Reserve or (Shortage)	10,755	47,821	31,116	53,141	40,753	33,554
Management Supply Factor	1.21	1.63	1.32	1.44	1.29	1.21

^aThese entities contract directly with UTRWD for wholesale supply, but Mustang SUD is the contract operator for their water systems, providing general operational functions including billing, operations and maintenance, etc.

^bUTRWD's current contracts with DWU indicate that DWU will supply 1) water needed for several specific water suppliers in Denton County + 10 MGD and 2) an additional amount equal to 40% of UTRWD's supplies from Chapman.

should this be footnote "b"

???

Table 5D.15 Summary of Costs for Recommended Strategies - UTRWD

Strategy	Date to be Developed	Quantity for UTRWD (Ac-Ft/Yr)	UTRWD Share of Capital Costs	Unit Cost (\$/1000 gal)		Table for Details
				With Debt Service	After Debt Service	
Conservation ^a	2020	8,464	Included under County Summaries in Chapter 5E.			
Additional Supplies from DWU (Up to Current Contracts) ^b	2020	16,254	\$0	\$4.05	\$4.05	None
Additional DWU (Contract Increase)	2050	11,210	\$0	\$4.05	\$4.05	None
Lake Ralph Hall	2030	39,220	\$443,090,730	\$1.48	\$0.25	H.62
Lake Ralph Hall Indirect Reuse	2030	15,428	← See above. →		21,179	
Additional Direct Reuse	2030	2,240	\$17,959,000	\$2.38	\$0.65	H.66
Additional Indirect Reuse	2030	13,838	\$0	\$0.50	\$0.50	None
Marvin Nichols Reservoir	2050	26,152	\$403,904,000	\$3.33	\$0.71	H.20
Wright Patman Reallocation	2070	8,848	\$149,844,000	\$3.51	\$0.91	H.23
Water Treatment and Distribution Improvements	2020	132,841	\$646,364,000	\$0.48	\$0.24	H.64
Total UTRWD Capital Costs			\$1,661,161,730			

^aUTRWD has no retail sales, so conservation savings are reflected in their customers' conservation savings.

^bUTRWD's current contracts with DWU indicate that DWU will supply 1) water needed for several specific water suppliers in Denton County + 10 MGD and 2) an additional amount equal to 40% of UTRWD's supplies from Chapman.

see comments on H.62

see comments on H.64

Table 5D.16 Summary of Costs for Alternative Strategies - UTRWD

Strategy	Quantity for UTRWD (Ac-Ft/Yr)	UTRWD Share of Capital Costs	Unit Cost (\$/1000 gal)		Table for Details
			With Debt Service	After Debt Service	
George Parkhouse Reservoir (North)	28,116	\$469,733,000	\$3.66	\$0.83	H.68
George Parkhouse Reservoir (South)	29,900	\$549,322,000	\$3.78	\$0.78	H.69
Red River Off-Channel Reservoir	15,000	\$126,771,000	\$2.16	\$0.76	H.42
Lake Texoma	25,000	\$270,614,000	\$2.25	\$0.46	H.67
Toledo Bend	50,000	\$1,058,650,000	\$5.09	\$1.45	H.19
Oklahoma	10,000	\$150,183,000	\$3.57	\$1.06	H.65
Additional Reuse	15,000	\$1,750,000	\$0.09	\$0.07	H.66

Table 5D.21 Summary of Costs for Recommended Strategies - GTUA

Strategy	Date to be Developed	Quantity for GTUA (Ac-Ft/Yr)	GTUA Share of Capital Costs	Unit Cost (\$/1000 gal)		Table for Details
				With Debt Service	After Debt Service	
Conservation ^a	2020	4,418	Included under County Summaries in Chapter 5E.			
GTUA Regional Water System – Phase 1	2020	15,332	\$243,985,500	\$5.72	\$3.06	H.72
GTUA Regional Water System – Phase 2	2030	20,540	\$224,082,500	\$4.75	\$2.93	H.73
Connection from Sherman to CGMA	2030	4,484	\$31,115,000	\$1.78	\$0.28	H.71
Parallel CGMA Pipeline (NTMWD)	2030	30,775	\$89,989,000	\$3.55	\$2.72	H.70
Total GTUA Capital Costs			\$589,172,000			

^aGTUA has no retail sales, so conservation savings are reflected in their customers' conservation savings.

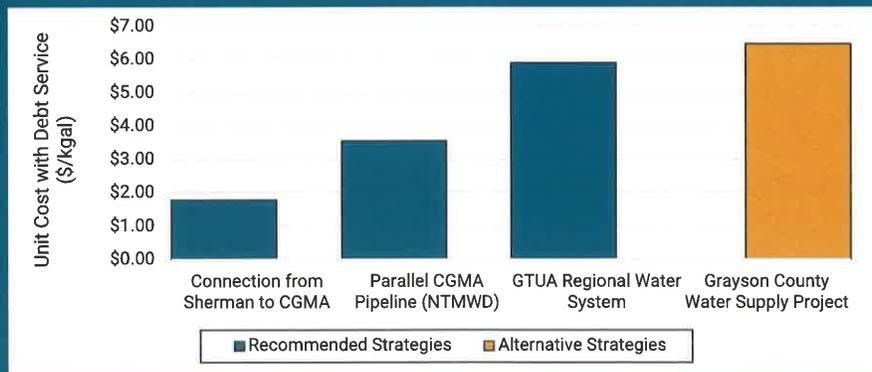
Table 5D.22 Summary of Costs for Alternative Strategies - GTUA

Strategy	Date to be Developed	Quantity for UTRWD (Ac-Ft/Yr)	UTRWD Share of Capital Costs	Unit Cost (\$/1000 gal)		Table for Details
				With Debt Service	After Debt Service	
Grayson County Water Supply Project	NA	37,610	\$657,965,000	\$6.45	\$3.53	H.74
Total GTUA Capital Costs			\$657,965,000			

GTUA

Strategy Unit Costs

Costs were developed for both recommended and alternative strategies. Costs are summarized in Table 5D.21 and Table 5D.22.



8.3 Recommendations for Unique Sites for Reservoir Construction

In 2007, the 80th Texas Legislature passed Senate Bill 3 (SB3), which designated unique sites for reservoir construction as recommended in the *2007 State Water Plan*, including the following sites previously recommended by the Region C Water Planning Group:

- Muenster site on Brushy Elm Creek in Cooke County
- Ralph Hall site on the North Sulphur River in Fannin County
- Lower Bois d'Arc Creek (currently named Bois d'Arc Lake) site on Bois d'Arc Creek in Fannin County
- Marvin Nichols site on the Sulphur River in Red River, Titus, and Franklin counties
- Fastrill site on the Neches River in Anderson and Cherokee counties
- Tehuacana site on Tehuacana Creek in Freestone County.

SB3 also designated the Columbia site on Mud Creek in Cherokee County as a unique site for reservoir construction. This site was previously recommended by the East Texas Regional Water Planning Group.

According to Section 16.051 of the Texas Water Code, these designations were to terminate on September 1, 2015, unless there was "an affirmative vote by a proposed project sponsor to make expenditures necessary in order to construct or file applications for permits required in connection with the construction of the reservoir under federal or state law." To date, none of the existing reservoir designations have been terminated.

Finally, a new reservoir located at the George Parkhouse (North) site was added as an alternative water management strategy in the *2016 Region C Water Plan* for the Upper Trinity Regional Water District (UTRWD) and the North Texas Municipal Water District (NTWMD). It was recommended that the Texas Legislature designate the George Parkhouse (North) site as a unique site for reservoir construction. However, the Legislature has not yet approved this additional designation..

With the exception of Muenster Lake, which has been constructed and is currently in operation, brief descriptions of each site follow, along with a summary of actions that the project sponsor has taken to bring the project to fruition.

Lake Ralph Hall would be located on the North Sulphur River in southeast Fannin County, north of Ladonia. The site is located in the Sulphur River Basin in Region C. The reservoir would yield 39,220 acre-feet per year and would flood 7,605 acres. Lake Ralph Hall is a recommended water 7,568 management strategy for the UTRWD. The proposed lake would provide water to southeast Fannin County residents, as well as to customers of the Upper Trinity Regional Water District in the Denton County area.

To develop Lake Ralph Hall, UTRWD has:

- Secured a water right. Permit 5821, issued in December 2013, allows UTRWD to impound up to 180,000 acre-feet in Lake Ralph Hall and to divert up to 45,000 acre-feet per year for municipal, industrial, irrigation, and recreation purposes. As part of the water right permitting process, UTRWD completed special engineering and cultural resources studies, including:

- Hydrologic and hydraulic studies,
- Biological and in-stream flow assessment,
- Geologic characteristics study,
- Economic impact study, and
- Water conservation implementation plan.

Section 404 permit received on Jan 30, 2020

- Applied for a Clean Water Act Section 404 permit from the U.S. Army Corps of Engineers (USACE). As part of the 404 permitting process, UTRWD has:

Completed special engineering and cultural resources studies, including:

- Hydrologic and hydraulic studies,
- Preliminary jurisdictional determination of waters of the U.S.,
- Preliminary habitat assessment,
- Archaeology & quaternary geology,
- Biological and in-stream flow assessment,
- Geologic characteristics,
- Economic impact study,
- Geomorphic and sedimentation evaluation, and
- Draft mitigation plan for impacts to aquatic resources and terrestrial habitats.
- Had a draft Environmental Impact Statement (EIS) developed and submitted it to the USACE. Final approval of the EIS is anticipated in late 2019.

Final EIS issued Sept. 2019

Bois d’Arc Lake (formerly named Lower Bois d’Arc Creek Reservoir) would be located on Bois d’Arc Creek in Fannin County, immediately upstream from the Caddo National Grassland. The site is located in the Red River Basin in Region C. The proposed reservoir would yield 120,200

acre-feet per year and would flood 16,641 acres. The North Texas Municipal Water District (NTMWD) is the primary developer of Bois d’Arc Lake. The proposed reservoir is a recommended water management strategy to provide water to potential customers in Fannin County in addition to existing customers of the NTMWD.

To develop Bois d’Arc Lake, NTMWD has:

- Secured a water right. Permit 12151, issued in June 2015, allows NTMWD to impound up to 367,609 acre-feet and to divert up to 175,000 acre-feet per year for municipal, industrial, and irrigation purposes. As part of the water right permitting process, NTMWD has:
- Contracted with conservation experts and enhanced its water conservation plan.
- Reached settlement agreements with the National Wildlife Federation, the Sierra Club, Texas Parks and Wildlife Department, Bois D’Arc Municipal Utility District, and some landowners.
- Applied for a Clean Water Act Section 404 permit from USACE. As part of the 404 permitting process, NTMWD:
- Completed a final pipeline alignment, intake pump station location, and terminal storage analysis study.
- Completed an archaeological study of reservoir site, pipeline route, and Leonard water treatment plant site and completed Phase 1 archaeological study of mitigation site.
- Submitted a final proposed mitigation plan to USACE. Completed 30 percent dam design and met with TCEQ to discuss the design.

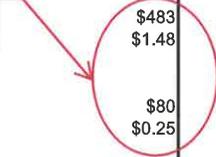
Table H.62

UTRWD - Lake Ralph Hall and Reuse						
Probable Owner:	UTRWD					
Quantity:	39,220 Ac-Ft/Yr from Ralph Hall					60,399
	54,299 Total, including Reuse					
Peak:	43.7 MGD			1.25 peaking factor		
CONSTRUCTION COSTS						
Dam, Reservoir and Conflicts	Size	Quantity	Unit	Unit Price	Cost	
Mobilization and Demobilization		1	LS	\$6,488,600	\$6,489,000	
Stormwater Prevention		1	LS	\$1,260,200	\$1,260,000	
Care of Water		1	LS	\$2,500,000	\$2,500,000	
Clearing & Grubbing		275	AC	\$5,000	\$1,375,000	
Topsoil Stripping		250,000	CY	\$7.00	\$1,750,000	
Excavation		3,870,000	CY	\$3.75	\$14,513,000	
Roadways	17,160	23,800	LF	\$325	\$7,735,000	
Bridges	15,800	13,000	LF	\$2,173	\$28,423,000	
Utility Relocations		53,500	LF	\$121	\$6,474,000	
Miscellaneous conflicts		1	LS	\$3,000,000	\$3,000,000	
Embankment Random Fill		1,638,000	CY	\$3.25	\$5,324,000	
Embankment Core		2,011,000	CY	\$3.50	\$7,039,000	
Soil Bentonite Slurry Trench		355,000	SF	\$10	\$3,550,000	
Soil Cement		125,000	CY	\$105	\$13,125,000	
Filter Drains		244,000	CY	\$76	\$18,544,000	
Miscellaneous drainage		1	LS	\$2,300,000	\$2,300,000	
Principal Spillway Reinf. Conc.		4,590	CY	\$750	\$3,443,000	
Roller Compacted Concrete		128,780	CY	\$200	\$25,756,000	
Embankment Instrumentation		1	LS	\$500,000	\$500,000	
Embankment seeding		1	LS	\$600,000	\$600,000	
Engineering and Contingencies (35%)					\$53,795,000	
Subtotal for Dam, Reservoir and Conflicts					\$207,495,000	
TRANSMISSION FACILITIES						
Pipeline	Size	Quantity	Unit	Unit Price	Cost	
Pipeline to Balancing Reservoir	54	158,400	LF	\$367	\$58,133,000	
Right of Way Easements		158,400	LF	\$16	\$2,550,000	
Engineering and Contingencies (30%)					\$17,440,000	
Subtotal of Pipeline					\$78,123,000	
Intake Pump Station						
Intake only		1	LS	\$18,493,800	\$18,494,000	
Pump Station	4000	2300 HP	1	LS	\$13,322,000	
Engineering and Contingencies (35%)					\$11,136,000	
Subtotal of Pump Station					\$42,952,000	
Balancing Reservoir						
Reservoir	20 MG	1	LS	\$3,500,000.00	\$3,500,000	
Engineering and Contingencies (35%)					\$1,225,000	
Subtotal of Balancing Reservoir					\$4,725,000	
CONSTRUCTION TOTAL						\$333,295,000
Land Acquisition						\$48,000,000
Mitigation and permitting						\$38,881,730
Interest During Construction (30 months)						\$22,914,000

2021 INITIALLY PREPARED REGION C PLAN

Continued	
TOTAL COST	\$443,090,730
ANNUAL COSTS	Cost
Debt Service on reservoir and intake (3.5% for 40 years)	\$16,869,000
Debt Service on Transmission system (3.5% for 30 years)	\$4,505,000
Electricity (\$0.08 per kWh)	\$1,619,000
Operation & Maintenance	\$3,216,000
Total Annual Costs	\$26,209,000
UNIT COSTS (During Amortization)	
Per Acre-Foot (Ralph Hall and Reuse)	\$483
Per 1,000 Gallons	\$1.48
UNIT COSTS (After Amortization)	
Per Acre-Foot (Ralph Hall and Reuse)	\$80
Per 1,000 Gallons	\$0.25
UNIT COSTS (During Amortization)	
Per Acre-Foot (Ralph Hall only)	\$668
Per 1,000 Gallons	\$2.05
UNIT COSTS (After Amortization)	
Per Acre-Foot (Ralph Hall only)	\$123
Per 1,000 Gallons	\$0.38

60,399 acre-ft/yr should be used for calculating cost with reuse



2021 INITIALLY PREPARED REGION C PLAN

Table H.64

UTRWD - Treatment and Distribution System Improvements		
Amount	132,841	AF/Y
OWNER:	UTRWD	
Project	Date	Capital Budget
2020 Projects		
Pipelines		
Parallel Pipeline from Taylor RTWP to Stone Hill Pump Station	2020	\$41,508,000
Pipeline from Harpool RWTP Raw Water North Storage to Harpool RWTP	2020	\$11,859,000
RTWS Valve, Meter, Tank and Pipeline Improvements/Rehab	2020	\$2,372,000
Upsizing/Reallocation FM2181 24" Pipeline	2020	\$3,558,000
Customer Pipeline Extensions	2020	\$247,000
Aubrey Pipeline and Point of Delivery #1	2021	\$396,000
Pilot Point Pipeline	2022	\$124,000
All Other Facilities		\$27,000,000
Southwest Pump Station - Phase I and Interim Pump Station	2020	\$7,165,000
Ozone System Rehabilitation at the Taylor RWTP	2020	\$969,000
Harpool RWTP High Service Pumping Improvements, Phase 1B	2020	\$6,226,000
Harpool RWTP Phased Treatment Expansion, Phase 1	2020	\$44,473,000
Harpool RWTP Raw Water North Storage	2020	\$2,125,000
Harpool RWTP North Transmission Main, Phase 1	2020	\$6,819,000
Contingency Improvements	2020	\$494,000
Mustang Point of Delivery #3	2021	\$484,000
Harpool In-Line Booster Pump Station @ NE Pipeline	2023	\$544,000
Pipeline Total		\$60,064,000
All Other Facilities Total		\$69,299,000
Total, 2020 Projects		\$129,363,000

Will close this project out this year.

Will close this project out this year.

\$27,000,000

Please add the following projects to the 2020-2030 list above.

RTWS General Treatment and Pumping Improvements	2021	\$15,000,000
Replacement / Upsizing of Section of Phase 1A Water Pipeline	2021	\$ 7,700,000
Elevated Storage Tank	2021	\$ 7,000,000

2021 INITIALLY PREPARED REGION C PLAN

Please add the following projects to the list below.

RTWS Northeast Transmission Pipelines (Ph1-6) and Loop	2025-30	\$96,700,000
RTWS Southwest Transmission Pipelines (Ph1-4)	2030-35	\$46,000,000
RTWS Ground Storage Tank and Pump Station	2025-2030	\$20,000,000
Harpool Finished Water Pump Station No. 2	2025	\$17,000,000

Continue		
Engineering and Feasibility Studies, Legal Assistance, Financing, Bond Counsel, and Contingencies (30% for pipes & 35% for all other facilities)		\$42,273,850
Interest During Construction (3% for 1 years with a 0.5% ROI)		\$4,720,013
Annual Costs for 2020 Projects		
Debt Service (3.5% interest, 30 year bonds)		\$7,034,000
Power (Estimated)		\$2,666,667
Water Treatment Plant Operation (10 MGD Expansion)		\$1,670,000
Operation and Maintenance		\$815,000
Total Pre-Amortization		\$12,185,667
Total After Amortization		\$5,151,667
2030 Projects		
Pipelines		
Customer Pipeline Extensions	2025	\$445,000
NE-Elevated Storage Tank and Pipeline	2025	\$14,824,000
North Pipeline from Harpool RWTP to Celina (Coffey Road)	2026	\$3,775,000
		\$10,000,000
All Other Facilities		
Harpool RWTP Expansion, Phase 2 (from 20.0 to 30.0 MGD)	2025	\$41,850,000
Harpool Membrane Replacement Project	2025	\$19,766,000
RTWS General Treatment & Pumping Improvements	2025	\$1,977,000
Contingency Improvements	2025	\$8,005,000
StoneHill Improvements and GST	2025	\$14,824,000
Pipeline Total		\$19,044,000
All Other Facilities Total		\$64,338,000
Total, 2030 Projects		\$83,382,000
Engineering and Feasibility Studies, Legal Assistance, Financing, Bond Counsel, and Contingencies (30% for pipes & 35% for all other facilities)		\$28,231,500
Interest During Construction (3% for 1 years with a 0.5% ROI)		\$3,069,371

2021 INITIALLY PREPARED REGION C PLAN

Continued	
Annual Costs for 2030 Projects	
Debt Service (3.5% interest, 30 year bonds)	\$4,534,000
Power (Estimated)	\$3,101,333
Water Treatment Plant Operation	\$1,670,000
Operation and Maintenance	\$561,000
Total Pre-Amortization	\$9,866,333
Total After Amortization	\$5,332,333
2040 Projects	
Harpool WTP Water Quality Improvements	\$59,400,000
Harpool Water Treatment Plant Expansion (40 MGD)	\$70,597,664
Taylor RWTP Expansion (from 70 MGD to 82 MGD)	\$40,500,000
	\$27,672,000
Other Pipeline Projects (estimated)	\$20,000,000
Other Pump Station Projects (estimated)	\$5,000,000
Engineering and Contingencies (30% for Pipelines, 35% for others)	\$42,144,000
Interest During Construction (3% for 1 years with a 0.5% ROI)	\$4,548,876
Total, 2040 Projects	\$169,963,000
Annual Costs for 2040 Projects	
Debt Service (3.5% interest, 30 year bonds)	\$9,241,000
Power (Estimated)	\$3,101,333
Water Treatment Plant Operation	\$6,032,321
Operation and Maintenance	\$325,000
Total Pre-Amortization	\$18,699,654
Total After Amortization	\$9,458,654
2050 Projects	
Water Treatment Plant Expansion (40 MGD)	\$70,597,664
Other Pipeline Projects (estimated)	\$20,000,000
Other Pump Station Projects (estimated)	\$5,000,000
Engineering and Contingencies (30% for Pipelines, 35% for others)	\$32,459,000
Interest During Construction (3% for 1 years with a 0.5% ROI)	\$3,521,558
Total, 2050 Projects	\$131,578,000
Annual Costs for 2050 Projects	
Debt Service (3.5% interest, 30 year bonds)	\$7,154,000
Power (Estimated)	\$2,053,333

2021 INITIALLY PREPARED REGION C PLAN

Continued	
Water Treatment Plant Operation	\$4,941,837
Operation and Maintenance	\$325,000
Total During Amortization	\$14,474,170
Total After Amortization	\$7,320,170
2060 Projects	
Water Treatment Plant Expansion (40 MGD)	\$70,597,664
Other Pipeline Projects (estimated)	\$20,000,000
Other Pump Station Projects (estimated)	\$5,000,000
Engineering and Contingencies (30% for Pipelines, 35% for others)	\$32,459,000
Interest During Construction (3% for 1 years with a 0.5% ROI)	\$3,521,558
Total, 2060 Projects	\$131,578,000
Annual Costs for 2060 Projects	
Debt Service (3.5% interest, 30 year bonds)	\$7,154,000
Power (Estimated)	\$2,053,333
Water Treatment Plant Operation	\$4,941,837
Operation and Maintenance	\$325,000
Total During Amortization	\$14,474,170
Total After Amortization	\$7,320,170
TOTAL CAPITAL COST	\$646,364,000
UNIT COSTS (During Amortization)**	
Per Acre-Foot	\$156
Per 1,000 Gallons	\$0.48
UNIT COSTS (After Amortization)**	
Per Acre-Foot	\$77
Per 1,000 Gallons	\$0.24

** These unit costs are the average of each decade's unit costs.

these numbers do not match those on page 5D.46

Wholesale Water Provider/ Use Category	Population & Projected Dry-Year Demand Including Customers (Demand in Acre-Feet per Year)					
	2020	2030	2040	2050	2060	2070
Total UTRWD Demand	50,320	75,918	97,710	121,693	141,195	162,405
Trinity River Authority						
Population Served	622,557	918,139	1,020,349	1,108,167	1,211,944	1,355,172
Municipal Demand	131,157	187,659	206,666	222,076	238,915	263,846
Manufacturing Demand	6,373	8,336	7,978	7,803	7,443	7,256
Irrigation Demand	27,044	27,653	27,765	27,890	27,987	28,049
Steam Electric Power Demand	8,442	8,487	8,476	8,466	8,461	8,454
Mining Demand	0	385	509	692	871	1,096
Livestock Demand	0	0	0	0	0	0
Total TRA Demand	173,016	232,520	251,394	266,927	283,677	308,701
Fort Worth						
Population Served	1,394,591	1,694,815	2,017,530	2,262,135	2,478,090	2,702,871
Municipal Demand	276,138	332,630	394,080	439,423	478,820	519,638
Manufacturing Demand	9,683	10,569	10,567	10,567	10,567	10,567
Irrigation Demand	0	0	0	0	0	0
Steam Electric Power Demand	2,000	2,000	2,000	2,000	2,000	2,000
Mining Demand	1,754	1,811	1,677	1,677	1,677	1,677
Livestock Demand	0	0	0	0	0	0
Total Fort Worth Demand	289,575	347,010	408,324	453,667	493,064	533,882

Provider	Source	2020	2030	2040	2050	2060	2070
Trinity River Authority	Joe Pool Lake						
	Midlothian	5,833	5,712	5,591	5,470	5,349	5,229
	Grand Prairie	1,272	1,239	1,207	1,174	1,141	1,109
	Grand Prairie (raw)	300	300	300	300	300	300
	Cedar Creek	7,346	7,346	7,346	7,346	7,346	7,346
	Duncanville	1,197	1,197	1,197	1,197	1,197	1,197
	Navarro Mills Lake	18,333	17,325	16,317	15,308	14,300	13,292
	Bardwell Lake	9,600	9,295	8,863	8,432	8,000	7,568
	Lake Livingston (Region C)	20,000	20,000	20,000	20,000	20,000	20,000
	Reuse (Region C)	68,140	68,543	69,275	69,790	69,790	69,790
	Subtotal	132,021	130,957	130,096	129,017	127,423	125,831
	TRWD	48,633	44,474	40,902	40,635	41,144	39,287
	TRA Total in Region C	180,654	175,431	170,998	169,652	168,567	165,118
Upper Trinity Regional Water District	Chapman Lake	11,795	11,729	11,662	11,594	11,528	11,460
	DWU Contract	41,194	44,851	42,886	40,173	38,727	37,698
	Chapman Reuse	3,970	4,178	4,383	4,584	4,558	4,531
	Direct Reuse	897	897	897	897	897	897
	UTRWD Total	57,856	61,655	59,828	57,248	55,710	54,586
Greater Texoma Utility Authority	Lake Texoma Raw Water	83,200	83,200	83,200	83,200	83,200	83,200
	Delivery Limited by WTP Capacity	11,210	11,210	11,210	11,210	11,210	11,210
	Usable Lake Texoma Raw Water	71,990	71,990	71,990	71,990	71,990	71,990
	Denison (for Pottsboro)	406	543	679	918	1,512	1,682
	NTMWD (Collin-Grayson MA)	4,485	5,400	5,400	5,400	5,400	5,400
	GTUA Total	88,091	89,143	89,279	89,518	90,112	90,282

^aThe available supply reported is the safe yield because of the operations by the MWP.

page 5D.47 has 57,844

page 5D.46 has 41,182

Table 5A.1 List of Major Potentially Feasible Water Management Strategies

Potentially Feasible Water Management Strategy	Potential Sponsor	Maximum Supply Available (Ac-Ft/Yr)
Reuse Strategies		
Cedar Creek Wetland Reuse	TRWD	88,059
Reuse from TRA Central WWTP	TRWD	60,000
Indirect Reuse Implementation	DWU	62,559
Main Stem Balancing Reservoir	DWU	95,829
Additional Lavon Watershed Reuse	NTMWD	38,780
Expanded Wetland Reuse	NTMWD	37,510
Connection of Existing Supplie		
Integrated Pipeline	TRWD, DWU	313,880
Connect to Lake Palestine (IPL Delivery Point to Bachman WTP)	DWU	105,370
Lake Texoma (Blending)	NTMWD and UTRWD	138,9336
GTUA Regional System	GTUA	35,872
Water from Oklahoma	NTMWD, UTRWD, Irving	55,000
Sabine Conjunctive System Operations	DWU	104,200
Toledo Bend Reservoir	NTMWD, TRWD, UTRWD, DWU	350,000
Lake O' the Pines (Cypress Basin Supplies)	NTMWD	50,000
New Surface Water		
Bois d'Arc Lake	NTMWD	120,200
Lake Ralph Hall	UTRWD	39,220
Lake Ralph Hall Reuse	UTRWD	15,428
Marvin Nichols Reservoir	NTMWD, UTRWD, TRWD, DWU and/or Irving	361,200
George Parkhouse Reservoir (North)	NTMWD and/or UTRWD	85,200
George Parkhouse Lake (South)	NTMWD and/or UTRWD	92,800
Wright Patman Reallocation	NTMWD, UTRWD, TRWD, DWU and/or Irving	122,200
Lake Columbia	DWU	56,000
Red River Off Channel Reservoir	DWU, UTRWD	114,000
Neches River Run-of-the-River Diversion	DWU	47,250
New Groundwater		
Carrizo-Wilcox Aquifer	NTMWD, TRWD, DWU	104,000
Desalination		
Gulf of Mexico with Desalination	Multiple	200,000
Lake Texoma with Desalination	NTMWD, GTUA, DWU, Denison	223,000
Aquifer Storage and Recovery (ASR)		
Aquifer Storage and Recovery	Multiple	50,000

21,179



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**Comments on the Initially Prepared Region C Plan
By Texas Conservation Alliance
July 27, 2020**

Texas Conservation Alliance appreciates the opportunity to add the following comments to the oral comments we submitted at the teleconference on May 26.

In reading the 2021 Initially Prepared Region C Water Plan (Region C IPP, IPP, the Plan), we are reminded of Henry David Thoreau's remark, "We are determined to be starved before we are hungry." The Region C IPP suggests a future in which the people of Region C must finance a number of reservoirs scattered across east Texas, with the attendant hundreds of miles of expensive pipelines, and all of this in addition to the best efforts at conservation, reuse, and optimum use of existing water supplies. But the situation is not that desperate.

According to the Region C IPP, the population of the region in 2010 was (in round numbers) 6.5 million residents. The current (2020) population is projected at 7.5 million. The projection for 2070 is 14.7 million.

The IPP projects that a 2020 demand of 1.7 million acre-feet per year (AFY) – 1.5 million AFY of it municipal – increasing to 2.9 million AFY - 2.7 million of it municipal – in the year 2070.

The Plan claims a 2020 overall water supply availability of 2.4 million AFY. The IPP projects that the currently-available supplies will decline by 2070 to 2.3 million AFY.

Using the figures above, we calculate a current per capita water use for Region C of 204 gallons per person per day (gpcd) and a 2070 projection of 178 gpcd.

We conclude several points from these numbers:

- First, the current supply significantly exceeds current demand and will continue to for decades to come.
- A quick calculation shows that the supplies stated for Region C as available would be sufficient to meet the projected 2070 demand if per capita water use for the region were to drop to 143

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gpcd. Given that the target gpcd for the entire state is 140 gpcd, this is clearly within the realm of the possible. Every improvement over the 178 gpcd projected for 2070 would help close the 2070 gap between supply and demand alleged by the Region C IPP.

- truth, the current and future water supply numbers in the IPP are substantially undercounted because the yields of the region's water supply reservoirs have been calculated without taking into account the increased inflows due to the increase in impervious cover associated with the region's dramatic population growth and urbanization. This undercounting provides a significant portion of the justification for many of the recommended water management strategies, including construction of the mega-project Marvin Nichols Reservoir. Obviously, no major infrastructure project should be undertaken until a more accurate counting of supply is determined.
- Also not taken into account in the IPP's assessment of Region C's supplies are most of the potential supplies available from reuse. For example, the 2070 supply projection includes only 400,000 AFY of reuse out of return flows that would exceed 1.5 million AFY if the projected municipal demand of 2.7 million AFY in 2070 were to prove correct.

It is important to note that there is no barrier to 100% reuse of the region's return flows. Reuse is almost always a lower cost option than any other source of water supply.

- If only 2/3 of the projected return flows were used as water supply, then the projected demand for 2070 could be met by the projected supplies, with no additional source of supply other than reuse (i.e., no new reservoir).

Main-Stem Balancing Reservoir

If additional supplies were ever needed, the only defensible new source of supply would be to develop the proposed Main-Stem Balancing Reservoir (MSBR). According to the Region C IPP, the cost of water from the Main-Stem Balancing Reservoir would be \$1.89 per thousand gallons. The cost for Marvin Nichols Reservoir, for example, would be \$2.67/1,000 gal or \$3.18/1,000 gal, depending on which version was built.

The stated cost of MSBR, however, is for the rather arbitrary yield of 96,000 AFY. Potentially, this water management strategy could have a much larger yield and, consequentially, a much lower cost per unit of water. This much larger potential yield is due to the location of MSBR on the Trinity River below Dallas. Any return flows not captured upstream could be diverted from the Trinity into MSBR.

Additionally, the urban run-off below the areas controlled by upstream reservoirs would flow past the pick-up point of MSBR, and some could also be diverted into the reservoir.

If the Region C population does reach the 14 million projected in the IPP (by no means a certainty), the additional run-off resulting from urbanization in the upper Trinity Basin would exceed one million AFY beyond the historical flows in the Trinity River, a substantial fraction of which will be captured by existing reservoirs. An additional substantial fraction could be captured by MSBR.

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The fact that MSBR is not a recommended or an alternative in the Region C Plan, when projects such as Marvin Nichols Reservoir are, is blatantly not in the best interests of the people of Texas.

Conclusion

As Texas Conservation Alliance pointed out in our oral comments, the Marvin Nichols Reservoir, *recommended* in the Region C IPP, would cost \$4.4 billion. It would permanently inundate 66,000 acres of prime bottomland. It would take perhaps three times that many acres out of production. It would force thousands of Texans to sell their land. It would harm the timber- and ag-based economy of a 15-county region of Texas. And it would destroy a huge chunk of bottomland hardwood forest, the most biologically productive inland ecosystem, eliminating the stellar habitat that forest provides to wildlife and outdoor recreation. Other reservoirs recommended in the IPP differ from Marvin Nichols Reservoir only in degree. The dramatic negative impacts of any reservoir cannot be justified if there are other cost-effective ways to meet Region C's water demands.

In summary, any reasonable projection of future water demands in Region C can be met by supplementing current supplies with further conservation, reuse, and perhaps MSBR.

July 25, 2020
Comments on the Region C 2021 Water Plan

Dear Mr. Ward and Region C members:

I am writing these comments after limited review of the 2021 Region C draft water plan. It is unfortunate that Region C continues to pursue the proposed Marvin Nichols reservoir when Region C has done an inadequate job in proposing or utilizing less expensive and low impact methods by which to secure more water supply. Further, Region C continues to put forward plans where the numbers don't seem to add up to justify this proposed reservoir project.

Within this plan, Region C's own numbers show the following:

- Unacceptable water loss is as high as 40 to near 50% in some cities/entities as noted in Appendix B in the Water Loss Audit Data section. Acceptable loss per the TWDB is 10%. Many cities/entities show a 15% to 20% loss in this plan. Cities/entities need to reduce their water loss if they are going to ask residents to pay more for their water and/or justify the building of reservoirs on the backs of those same ratepayers.
- Some cities within Region C have existing gpcd rates that are as much as 100-200 gallons per capita per day higher than the recommended 140 gpcd rate put forward by the TWDB in 2016. See section I.17.
- Many projected gpcd water goals from 2020 to 2070 have already been met by cities/entities when one compares actual reported numbers to the TWDB vs. Section I.17 in this plan. Even water goals for some cities projected out as far as fifty years from now for the year 2070 have already been met as shown by the actual numbers reported to the TWDB as indicated in both the years of 2018 and 2016. See pages 949-955 in section I.17 vs. reported numbers to the TWDB.
- Some cities/entities numbers in the Region C plan show 0 or less than 10 gallons of reduction in gpcd over the next fifty years. With ever improving technology, plumbing codes, water efficient appliances, etc., 0-10 gpcd reductions over fifty years is simply unacceptable, even for those cities that are still experiencing growth. Again, see section I.17.

More Conservation, Better Contracts and Better Strategies Needed

Aside from the numbers reflected in this plan regarding reported water loss and gpcd goals, Region C needs to pursue water conservation in a more assertive manner before proposing the building of new reservoirs. Those measures include:

- Water districts that utilize 30 to 40-year+ Take or Pay contracts need to end this practice as it is a disincentive for cities to implement meaningful water conservation plans. One water district has already been sued by 13 cities protesting the use of this contract methodology for their cities to secure water.
- All cities need to implement lawn watering ordinances. Lawn watering accounts for more than 50% of residential use. Many customer cities, such as Farmers Branch, have no

time-of-day or days-per-week ordinances in place to ensure residents do not waste water on their lawns.

- Recycled and gray water need to be fully utilized. For instance, Dallas has six municipal golf courses. Only two courses use gray water. There are more than 26 golf courses in the DFW area. How many other courses are using potable drinking water for their watering needs instead of gray water?
- Strategies such as aquifer storage should be employed for the region before building reservoirs with high evaporation and sedimentation rates, coupled with the permanent and irreversible damage to land and cultural sites.

Those entities applying for a federal permit to build a reservoir are required by the Clean Water Act to choose the Least Environmentally Damaging Practicable Alternative (LEDPA). There are low impact methods and more cost-effective means available to meet Region C's water demands. These measures should include meaningful and enforced city lawn watering ordinances, the additional use of gray water and municipal water recycling, capturing urban run-off, and more.

As mentioned in the 2021 Region C plan, Marvin Nichols has been inserted into local water plans since 1968. After 30+ years of this proposed reservoir project being passed on from plan to plan, there is one major factor that all can agree upon. The political opposition to this proposed project is fierce from those who live and work in Region D. That opposition will persist as long as DFW and the customer cities within our region will not do what it takes to stop wasting water, or adopt additional practicable water conservation measures. Our region needs to do all it can before taking the water away from another part of the state.

For the past twenty years, I have walked some of the actual property with landowners that would be in or near the proposed Marvin Nichols footprint. I have met with Region D residents as well as timber and industry representatives who would be affected. I have yet to see the Region C water planning group embrace all it can do to meet its water needs before it can justify denying Texans their quality of life, their land and their livelihoods.

Region C reneged on its original agreement not to pursue Marvin Nichols till 2070, forcing a negotiation which Region D did not want due to a conflict in water plans. Now Region C is looking at the proposed \$4.4B Marvin Nichols project moving forward for 2050, and there is talk our region will pursue the permits as soon as the 2021 plan is adopted.

Our region simply needs to do all it can before it bullies another into giving up its land and water.

Sincerely,

Rita Beving
13214 Glad Acres Drive
Farmers Branch, Texas. 75234
214.557.2271

Details and Questions Regarding the 2021 Region C Water Plan

Unacceptable Water Loss

While reviewing the Region C Water Plan, I looked at the Appendices. I reviewed the Water Loss Audit Data in Appendix B and was concerned to see the tremendous amount of water loss some cities have reported. According to the TWDB, the acceptable state average for loss is 10%.

The following cities have 20% or more water loss (2017) as illustrated in the graph provided by Freese & Nichols:

1. Anna	40.38%
2. Athens	29.98%
3. Bois D'Arc MUD	34.78%
4. Bolivar WSC	27.76%
5. Bonham	20.15%
6. Buena Vista Bethel SUD	40.32%
7. Cockrell Hill	49.12%
8. Honey Grove	20.83%
9. Leonard	28.35%
10. Mountain Peak SUD	36.93%
11. Murphy	23.49%
12. Springtown	37.20%
13. Tom Bean	33.40%
14. Trinidad	21.21%
15. White Settlement	20.21%

As highlighted, three cities/entities had 40 to almost 50% water loss.

More than 50 cities/entities were over the 10% acceptable levels deemed by TWDB.

Out of more than 210 cities/entities listed, more than half (over 110) didn't even report what their water loss was.

How many millions of gallons per day are lost in these cities today, much less the year 2017 from when these numbers were taken? What steps or guidance have been provided by Region C to help these cities address these major water loss problems?

Unacceptable GPCD Rates and Projections for Many Region C Cities

Within the Appendices, I also reviewed the gpcd goals for cities/entities for 2020 with additional projections every ten years through 2070. See section I.17, p. 949-955.

Though I realize there are cities with a higher demand for water due to commercial needs, such as Addison where there are many restaurants, hotels, etc., compared to its residential mix, there is still no reason for those gpcd rates to be so high.

In 2016, Region C’s Water Conservation Implementation Task Force suggested a voluntary goal of 140 gpcd as a threshold. This is also what was recommended by the TWDB.

Yet, when looking in Section I.17 of the 2021 Draft (RWPV2 Section), the GPCD goals don’t seem to make sense when one looks at the actual numbers per the Texas Water Development Board WUG reports.

Section I.17 Goals Vs. Actual Reported GPCD Summary Estimates (from TWDB website) p.949-955

Region C GPCD Goals	2020 Goal	2070 Goal	TWDB Water Planning User Group (WUG) Utility Detailed GPCD Report – Year 2018/Year 2016	
			2018	2016
Addison	349	333	291	319
Colleyville	340	313	238	249
Fairview	306	297	246	230
Grapevine	297	285	250	267
Heath	275	265	236	234
Highland Park	381	368	317	336
Hudson Oaks	290	279	257	275
Parker	359	348	296	314
Roanoke	251	232	230	219
Southlake	353	341	286	290
Trophy Club	324	313	233	191
University Park	252	241	235	224

Observations of Region C City/Entity Goals:

A) Unacceptable GPCD goals

The cities represented above indicate some of the highest gpcd goal cities on the Region C list. It is disheartening, at best, to see that when the TWDB has set a goal of 140 gpcd that these cities’ goals are more than 100 gallons per capita per day – some 200 – over the recommended TWDB gpcd goal of 140.

Some of these cities’ goals projected out for the NEXT 50 YEARS to 2070 are still more than 100 gpcd than the recommended 140 gpcd goal put forward in 2016 by the TWDB.

B) Minimal or Zero GPCD Reductions Projected over a 50-Year Period

Some cities, like Fairview, have projected only a gpcd reduction of 9 gallons over the next 50 years despite the technological improvements that we know will come over time in plumbing, household appliances, building codes, etc.

Of the 270 cities/entities listed in the Region C plan, there are many that have minimal gpcd goals for a 50-year period. A sampling of cities have indicated minimal *gpcd reductions* from 2020 through 2070 including: Aledo (6 *gpcd reduction*), Alvord (1), Aubrey (5), Collinsville (7), Farmersville (6), Fate (6), Frisco (5), Grand Prairie (6), Irving (8), Mineral Wells (4), Mckinney (7), Ponder (5), Prosper (5), Rockwall (6), Royse City (6), Rowlett (7), and Saginaw (6). Cities like Pelican Bay and Reno have indicated 0 gpcd reductions for their decades of goals between 2020 and 2070.

These 50-year horizon goals do not even meet the annual reduction of 1% in total gpcd that was recommended based on a five-year rolling average, until an entity achieves 140 gpcd or less, as stated by the Water Conservation Implementation Task Force years ago.

C) Arbitrary GPCD Goal Setting as a Means to an End?

Next, in comparing the gpcd goal years of 2020 and 2070 in the Region C plan to the actual reported numbers found on the TWDB website for 2018 and 2016, it appears the 12 cities above have already reached not only their current 2020 gpcd goals, but also their projected 2070 goals.

For example, the projected 2020 goal for Addison is 349 gpcd. This is 58 gallons more than their actual usage of 291 in 2018 and 30 more than their usage of 319 in 2016. If Addison has already achieved this gpcd goal as far back as the year 2016, then why are numbers like 349 being used for 2020 and 333 fifty years from now in 2070?

Fairview is another example. The numerical difference between their actual 2018 usage and their 2020 projected gpcd goal is 60. Fairview’s reported numbers for both 2016 and 2018 are far lower than the projected Region C gpcd goals for 2020 and 2070.

Since these cities have already achieved these stated goals 2-4 years ago, don’t these figures make these goals stated in the Region C plan arbitrary?

How many of the 270+ cities/entities also reflect the same inflated numbers as Addison or Fairview in projected goals vs. what these cities have already achieved in lower gpcd numbers?

Even the largest cities in the Region C such as Dallas and Ft. Worth have already achieved the goals they’ve projected over a 50-year horizon when one compares the Region C plan’s gpcd goals to the actual reported numbers to TWDB:

Region C GPCD Goals	2020 Goal	2070 Goal	TWDB Water Planning User Group (WUG) Utility Detailed GPCD Report – Year 2018/Year 2016	
Dallas	185	166	154	174
Ft. Worth	151	160	140	139

When one reviews the Region C plan and the 270+ cities/entities (counties not included) on p. 949-955, it raises the question whether these gpcd goals were inflated to justify Region C strategies such as building reservoirs.

Water Districts Need to End “Take or Pay” Contracts & Similar Agreements

Out-moded “Take or Pay” contracts such as that of the North Texas Municipal Water District and contracts based on similar criteria utilized by other water purveyors need to end.

There has already been a lawsuit by thirteen cities against such 30-40+ year contracts which base their rates on the highest historical annual year of use. For those cities that are essentially built out, the highest historical year of usage may be twenty years old. Advances in water appliances, plumbing and building codes, etc. make forcing a city into this kind of contract a major disincentive for implementing strong water conservation programs.

All Region C Cities Need to Have Time-of-Day or Days-Per-Week Watering Restrictions Outside of Drought Periods

Many customer cities within Region C do not have time-of-day or days-per-week watering restrictions outside of drought periods.

For instance, some of the customer cities of DWU such as Farmers Branch are not asked or required to follow any such requirements. It is only voluntarily asked during a time of drought.

With 38% of Dallas' water contracts for other cities/suburbs, much water could be saved with contracts that encourage or incentivize smaller cities to encourage residential and commercial users to conserve water. This also applies to other districts' customer cities.

Region C Cities Need to Use Gray Water for Golf Courses and More Recycled Water Wherever Practicable

Cities need to use gray water wherever practicable since the water savings can be significant.

Example: According to data in the 2019 Dallas Water Plan, Dallas supplies gray water to two municipal golf courses, Cedar Crest and Stevens Park, saving 1.0 mgpd in potable water. Dallas owns 6 municipal courses. Clearly, there are four courses that DWU could transition to using gray water to help save water for the City of Dallas.

There are more than 26 courses in the Dallas area, some of which belong to private entities and water providers' customer cities. Those courses should also become part of a transition plan to use gray water in order to save potable drinking water for residents.

Direct municipal recycling would be another viable approach for DFW. This would involve filtering wastewater using high-tech filters such as those which are used in reverse osmosis and adding ultraviolet light or other disinfection.

Region C Should Pursue Aquifer Storage Projects Instead of Expensive and Destructive Reservoir Projects

Many cities within the state of Texas have embraced aquifer storage due to the sedimentation and evaporation that reservoirs present during operation.

Aquifer storage projects established near the Region C cities they serve would also reduce the need for expensive pipelines to be built. San Antonio, Kerrville and El Paso already have such projects.

The Tarrant Regional Water District is pursuing a pilot aquifer storage project. If successful, other Region C water providers need to utilize strategies such as storage and other measures before inundating 66,000 acres of valuable bottomland hardwood forest and agri-lands for the footprint of Marvin Nichols reservoir, along with an additional 66,000 acres used for mitigation.

Appendix Q
Comments Received via Email

From: Adelia Jones <adeliaej@gmail.com>
Sent: Tuesday, June 23, 2020 11:14 AM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir

Please do not build this reservoir! There are cheaper more environmentally friendly ways to get water. This will not only force thousands from their farms, ranch land and homes but will also have a terrible impact on our already threatened ecosystems.

From: kazdoy@aol.com <kazdoy@aol.com>
Sent: Monday, July 27, 2020 10:08 AM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir

Mr. Ward,

I live in the region, and oppose the Marvin Nicols Reservoir being in the Region C plan.

The main reasons for my opposition are that this reservoir simply is not needed, it is too costly in dollars, and will be harmful to the environment.

The cities in the DFW area are still among the highest per capita users of water in the state, and conservation measures would be a more effective and less expensive option for securing more water.

Thank you,

Alan Kazdoy
7805 Chattington Drive
Dallas, Texas 75248

From: Alex Holland <a.holland714@gmail.com>
Sent: Monday, July 27, 2020 3:03 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Opposed to Marvin Nichols Reservoir

Hello Mr. Ward,

My name is Alex Holland, and I have lived in the Plano/Dallas area for about 25 years. I'm writing to strongly oppose having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary, and would require cutting down and destroying forests, posing threats and harmful impacts on the environment and people's lives in the DFW Metro. I understand there is a growing need for water as the population in North Texas continues to grow, but I propose we continue to search for a solution that preserves life for all in North Texas.

Thank you for your time,

--

Alexandra Holland
BSW 2017 - Diana R. Garland School of Social Work
a.holland714@gmail.com
Tel: (972)-310-7046

From: Alex A <xanderray96@gmail.com>
Sent: Monday, July 27, 2020 4:06 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: NO to Marvin Nichols Reservoir!

Hi Kevin,

My name is Alexander. I live in North Richland Hills. I'm writing to strongly oppose having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary, and would require cutting down and destroying forests, posing threats and harmful impacts on the environments and people's lives in the DFW Metro.

Please stop this project from continuing.

From: Allen Majefski <amajefski@icloud.com>
Sent: Monday, July 27, 2020 12:07 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Stop reservoir

Allen Majefski

From: Ashley Monismith <ashley.monismith@gmail.com>
Sent: Monday, July 27, 2020 4:27 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Opposition to Marvin Nichols Reservoir in Region C Water Plan

Hi Kevin,

My name is Ashley Monismith. I live at 3025 Kinkaid Dr in Dallas (75220). I'm writing to strongly oppose having the Marvin Nichols Reservoir in the Region C water plan. The reservoir would require cutting down and destroying forests, which pose a threat and result in harmful impacts on the environment as well as people's lives in the Dallas-Fort Worth metroplex. Please consider opting instead for less destructive, conservation-based and lower cost alternatives to meeting DFW's water needs.

Regards,
Ashley Monismith

From: Augustine Jalomo <augustinej@gmail.com>
Sent: Monday, July 27, 2020 3:00 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Oppose the Marvin Nichols Reservoir

Good Afternoon Mr. Kevin Ward.
My name is Augustine Jalomo and I live at 607 West Canty Street Dallas 75208.

I am writing to you to express my strong opposition in having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary and would require cutting down and destroying forests which poses threats and harm on the environment and people's lives in the DFW area.

Thank you.

Augustine "Tino" Jalomo
214.718.2384

From: becky lum <beckycl123@yahoo.com>
Sent: Friday, June 19, 2020 10:17 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols

I would appreciate it so very much if you guys would find water somewhere. It's not fair to take people's land that has been in their family for 100 of years just to provide water for the city. Dig wells or look elsewhere. I have a son buried in that area and kids and grandkids that live in that area. It's not our problem that you guys can't provide for people in the city. Don't punish us with your problems.

From: Brianna Veerasammy <bri.vee@LIVE.COM>
Sent: Monday, July 27, 2020 4:09 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir

Hi Kevin,

My name is Brianna Veerasammy. I live at 1621 Oak Creek Ln Apt D, Bedford TX. I'm writing to strongly oppose having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary, and would require cutting down and destroying forests, posing threats and harmful impacts on the environments and people's lives in the DFW Metro.

Brianna Veerasammy

From: carol nash <nashcarol@sbcglobal.net>
Sent: Monday, July 27, 2020 1:06 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir

I am writing to voice my opposition to the construction of the Marvin Nichols Reservoir. This project will be an environmental disaster for some of the last river bottom habitat left in the state. Farmers and ranchers who have lived in the area for generations will be displaced. And for what? This project will deliver profits for construction companies and more water for wasteful urban residents and businesses. There are other cost effective ways to meet the water needs of our region without destroying habitat and livelihoods.

Carol Nash
7701 Fisher Rd.
Dallas, TX 75214

From: Caroline Vornberg <cvornberg@gmail.com>
Sent: Monday, July 27, 2020 1:24 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Do NOT build Marvin Nichols Reservoir!!!

For more than 20 years, many of us have stood with East Texans to keep the proposed Marvin Nichols reservoir at bay. Why? Because it kicks landowners, many who have had their ranches in their family from generations, off their land. And Region C, which includes all of DFW, we can do so much more in water conservation than building expensive reservoirs with conservation.

The \$4.4 billion Marvin Nichols project is included in the plan despite Region C originally promising that this project would not be revisited till **2070**. **Our region should do more with water conservation, reuse, aquifer storage and seek other alternatives before condemning ranchers and farmers off their land to build Marvin Nichols reservoir.**

The proposed Marvin Nichols Reservoir would inundate twenty miles of the Sulphur River and more than 66,000 acres of forest and productive ranchland. The building of the reservoir would have a significant negative impact on the timber and agriculture-based economy of rural northeast Texas. The amount of land that will be taken out of production, to not only build Marvin Nichols Reservoir but also mitigate its impacts, will devastate the economy of a fifteen-county region!

Sincerely, Dr. Caroline Vornberg, (Anderson County). 2181 An CR 319 Frankston 75763
(Formerly of Dallas County)

--
Caroline Vornberg 972-342-4657

From: Caroline Vornberg <cvornberg@gmail.com>

Sent: Friday, July 24, 2020 5:03 PM

To: RegionCWPG <regioncwpg@trinityra.org>

Subject: Do not fund Marvin Nichols

Building a reservoir is one of the most expensive ways a region can pursue to secure more water. There are cheaper, less destructive alternatives to obtain more water than building Nichols Reservoir.

Region C should be recommending cost-effective, low-impact options for water supply such as:

- Increased municipal water recycling
- Harnessing urban runoff
- Storing surface water in underground aquifers
- Asking all customer cities to encourage less lawn watering via ordinance and education. The use of native plants or drought resistant turf should also be encouraged
- Ending the use of “Take or Pay” contracts by water districts and water retailers need to end in DFW. This forces cities to pay for water they may not use in any given year. 30 to 40 year Take or Pay contracts are a disincentive for cities to conserve water.
- Implementing more recycling, developing more wetland filtration projects or filter more wastewater to help secure more water.
- Utilizing more gray (used) water can meet the demand for water to water lawns. For instance, the City of Dallas has several municipal golf courses which use potable drinking water instead of gray water for watering. Lawn watering for future expansion can also be met by capturing run-off in neighborhoods.

Any entity applying for a federal permit is required by the Clean Water Act to choose the Least Environmentally Damaging Practicable Alternative (LEDPA). There are less damaging ways to meet DFW’s water demands – such as municipal water recycling, capturing urban run-off, or bringing water from the already-existing Toledo Bend Reservoir. Bringing water from Toledo Bend may cost more, but it avoids destroying 66,000 acres of prime farmland, timberland, and wildlife habitat. The other options are much less expensive.

The proposed Marvin Nichols project is designed to enrich the very engineers who studied and validated this project -- they would also be the builders of this \$4.4

billion project on the backs of taxpayers! **Region C should be a good neighbor to Region D, where Texans would be robbed of their heritage, their way of life, and their livelihoods. Take Marvin Nichols out of this plan – DFW can do better!**

--

Caroline Vornberg, Ed.D 972-342-4657

From: Cathy Wallace <catwal2@yahoo.com>
Sent: Friday, July 24, 2020 8:49 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir

Dear Planners,

I am writing to request that you vote NO on the proposed expensive Marvin Nichols Reservoir.

I am requesting that you would consider less expensive and more environmentally friendly solutions for water like recycling, harnessing runoff, storing surface water in underground aquifers, less lawn watering.

Thank you for your consideration,
Cathy Wallace

From: Chris Guldi <caguldi03@gmail.com>
Sent: Saturday, July 25, 2020 12:47 AM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: No to Marvin Nichols Reservoir

While I am truly grateful for your attention to our future water needs, I must object to your persistent consideration of the Marvin Nichols Reservoir. We can meet our water needs with less costly, proven conservation measures such as water recycling and ending take or pay water contracts. Our increasingly hot summers are the very reason such a reservoir will rapidly evaporate and become useless when we most need water. We instead need the timber and agriculture that currently occupy that land.

Please shelve the outmoded Marvin Nichols plan once and for all.

Yours truly,
Chris Guldi
7228 La Sobrina Dr.
Dallas TX

From: Daleen Maxwell <daleen@sbcglobal.net>
Sent: Monday, July 27, 2020 12:20 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir comments

Dear Mr. Ward,

As a concerned citizen, I am writing to encourage you to take the \$4.4 B Marvin Nichols Reservoir out of the Region C water plan. I firmly believe that *there are less destructive and cheaper ways to meet DFW's water needs*. The water reservoir project which would waste money, harm the climate and the environment by destroying a huge forest and continuing water waste. There are smarter, cheaper, more eco-friendly and more equitable ways to meet Region C's water "needs" (building a reservoir in East Texas--Region D-- to supply water to North Central Texas--Region C-- so it can continue its water waste). The project will destroy more than 66,000 acres of bottomland hardwood forest and agri-lands in Northeast Texas. Much of this land has been passed down for generations since settlers' times. This project could hurt an entire 15-county area.

Respectfully,

Daleen J. Maxwell
9942 Galway Drive
Dallas TX 75218

From: Dan Moulton <dan_moulton@sbcglobal.net>
Sent: Friday, July 24, 2020 5:42 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols reservoir

To Region C Planners:

Building a reservoir is one of the most expensive ways a region can pursue to secure more water. There are cheaper, less destructive alternatives to obtain more water than building Nichols Reservoir.

Region C should be recommending cost-effective, low-impact options for water supply such as:

- Increased municipal water recycling
- Harnessing urban runoff
- Storing surface water in underground aquifers
- Asking all customer cities to encourage less lawn watering via ordinance and education. The use of native plants or drought resistant turf should also be encouraged
- Ending the use of “Take or Pay” contracts by water districts and water retailers need to end in DFW. This forces cities to pay for water they may not use in any given year. 30 to 40 year Take or Pay contracts are a disincentive for cities to conserve water.
- Implementing more recycling, developing more wetland filtration projects or filter more wastewater to help secure more water.
- Utilizing more gray (used) water can meet the demand for water to water lawns. For instance, the City of Dallas has several municipal golf courses which use potable drinking water instead of gray water for watering. Lawn watering for future expansion can also be met by capturing run-off in neighborhoods.

Any entity applying for a federal permit is required by the Clean Water Act to choose the Least Environmentally Damaging Practicable Alternative (LEDPA). There are less damaging ways to meet DFW’s water demands – such as municipal water recycling, capturing urban run-off, or bringing water from the already-existing Toledo Bend Reservoir. Bringing water from Toledo Bend may cost more, but it avoids destroying 66,000 acres of prime farmland, timberland, and wildlife habitat. The other options are much less expensive.

The proposed Marvin Nichols project is designed to enrich the very engineers who studied and validated this project -- they would also be the builders of this \$4.4 billion project on the backs of taxpayers! Region C should be a good neighbor to Region D, where Texans would be robbed of their heritage, their way of life, and their livelihoods. Take Marvin Nichols out of this plan – DFW can do better!

Sincerely,
Daniel W. Moulton
Chair, Executive Committee
Dallas Sierra Club

From: Dawn Spalding <Dawn.spalding@earthx.org>
Sent: Monday, July 27, 2020 3:10 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Region C Water plan

Hi Kevin,
My name is Dawn Weeks Spalding. I live at [4113 Glenwick Lane, Dallas, 75205](https://www.google.com/maps/place/4113+Glenwick+Lane,+Dallas,+TX+75205). I'm writing to strongly oppose having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary, and would require cutting down and destroying forests, posing threats and harmful impacts on the environments and people's lives in the DFW Metro.

Dawn Weeks Spalding
Strategic Partnerships & EarthxGlobal Gala
EarthX 2020
214-228-3969

From: Dick schoech <dschoech@sbcglobal.net>
Sent: Saturday, July 25, 2020 12:34 AM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Do not build Marvin Nichols Reservoir.

Please do not build Marvin Nichols Reservoir.

--

Dick Schoech

From: Grecia Alfaro <grecia.serna@gmail.com>

Sent: Monday, July 27, 2020 2:42 PM

To: RegionCWPG <regioncwpg@trinityra.org>

Subject: Building Reservoirs is out-dated

I am Grace Alfaro and I live in the Lakewood Neighborhood in East Dallas. There are less destructive and cheaper ways to meet DFWs water needs!! I am asking for you the following:

- Get rid of Take or Pay contracts that force cities to pay for water they may not even use annually due to being pushed into these outmoded 30-40 year contracts with rates based on the historical highest annual use of water. NTWMD is already being sued for this practice by numerous cities.
- Encourage DFW cities to develop and actually implement meaningful water conservation plans and to adopt ordinances that enforce limited lawn watering. Ask cities to encourage developers and residents to use drought resistant turf and native plants.
- Adopt the use of underground aquifer water storage instead of building reservoirs with high evaporation and sedimentation rates.
- Have cities utilize gray water for all their golf course watering. For instance, only two of Dallas' six municipal golf courses use gray water instead of potable drinking water for watering. Just these two Dallas courses that use gray water save 1 million gallons per day in water.
- Ask cities to reduce water leakage due to aging water main and pipe infrastructure.
- Cities can engage in more water recycling (including direct recycling) and harness urban runoff.

Building reservoirs is an out-dated mode of securing more water. DFW should do all it can with conservation and other measures before kicking Texans off their land and denying them their livelihoods and quality of life.

Thank you.

From: Ida Gh <ida1382@yahoo.com>
Sent: Monday, July 27, 2020 4:07 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: URGENT: Region C Water Plan

Hello,

My name is Ida Ghorbani, and I live in Plano, Texas. I am writing to you today in strong opposition of having The Marvin Nichols Reservoir Region C water plan.

This reservoir is unnecessary and would require cutting down and destroying and valuable and beautiful forests, posing large threats and harmful impacts on the environments and people's lives in the DFW Metro as well. Building reservoirs is an out-dated mode of securing more water. DFW should do it all with conservation and other measures before kicking Texans off their land and denying them their livelihoods and quality of life. Reservoirs are incredibly costly, and not just in a monetary way. We encourage that cities engage in more water recycling, harness urban runoff, develop and actually implement meaningful water conservation plans and ordinances that enforce limited lawn watering and encourage drought resistant turfs and native plants, remove unfair Take or Pay contracts, adopt the use of underground aquifer water storage, reduce water leakage, and utilize gray water for golf course watering in order to better conserve water and be more eco-conscious.

Please hear our voices and keep the environment and communities in mind when making such decisions! Together, we can solve the Climate Crisis!

With gratitude,
Ida from Climate Reality DFW

From: Jack Hughes <hughes.jack2@gmail.com>

Sent: Monday, July 27, 2020 5:07 PM

To: RegionCWPG <regioncwpg@trinityra.org>

Subject: Remove the Marvin Nichols Reservoir from the Region C water plan

Mr. Ward,

Please remove the Marvin Nichols Reservoir from the Region C water plan. We can satisfy (and reduce) our region's water needs in better ways - which can be cheaper, more eco-friendly and fairer to the landowners at the same time.

Thank You,

Jack Hughes
5124 Meadowcreek Dr.
Dallas, TX 75248

From: Jan Falcona <janfalcona@gmail.com>
Sent: Monday, July 27, 2020 4:50 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: No On Reservoir

Dear Mr. Ward,

I implore you to vote against including Marvin Nichols Reservoir in the Region C water plan. Creating this reservoir is not the way to go. Not only is the cost astronomical, it would destroy many trees and endanger the environment.

Don't rely on the outdated methods of the past. We need meaningful water conservation plans such as:

- ordinances that enforce limited lawn watering.
- encourage developers and residents to use drought resistant turf and native plants.
- use underground aquifer water storage instead of building reservoirs with high evaporation and sedimentation rates.
- use gray water for all golf course watering. Currently, only two of Dallas' six municipal golf courses use gray water instead of potable drinking water for watering. The two Dallas courses that use gray water save 1 million gallons per day in water.
- reduce water leakage due to aging water main and pipe infrastructure.
- do more water recycling (including direct recycling) and harness urban runoff.

The Climate Crisis requires strong leadership and innovation, not yesterday's standards.

Conserving trees and caring for the environment are crucial to all of our future, and especially the poor and underserved who are most harmed by environmental degradation. We are counting on you to lead us into a better future for DFW.

Best regards,

Jan Falcona
5710 Martel Ave #A7
Dallas, Texas 75206

"May your trails be crooked, winding, lonesome, dangerous, leading to the most amazing view."
--Edward Abbey

From: Jan Miller <jgmiller5594@sbcglobal.net>
Sent: Monday, July 27, 2020 3:14 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: No to Marvin Nichols Reservoir

Please table plans for the Marvin Nichols Reservoir, as previously agreed, until 2070.

This massive reservoir will inundate 66,000 acres and require another 66,000 acres as mitigation, destroying family owned, established farms, ranches and ecosystems across 15 counties. Especially in this time when economies are reeling from the ongoing COVID-19 pandemic, the impact of this project's estimated cost of \$4.4 Billion on taxpayers is difficult to justify, in addition to the economic upheaval in Region D's affected counties. Especially when considering that the Region C counties that will eventually benefit from the reservoir can do so much more to conserve water use, from simple actions by individual and business users, to municipal contracts.

Please remove plans for the Marvin Nichols Reservoir from consideration: there are many other options that require less expense, economic hardship and environmental destruction.

Thank you for your consideration,

Jan Miller
4320 Rockwood Trail
Arlington, TX 76016

From: Jay <jaybar66@gmail.com>
Sent: Friday, July 24, 2020 2:57 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Please drop M Nichols Reservoir

This seems like an extraordinarily poor substitute for more logical long term sustainable water sourcing. The reservoir should only be considered AFTER we've exhausted all the alternatives like conservation, watershed use, etc.

~JayB
Dallas

From: Jeff Lu <sunkiwist0519@gmail.com>
Sent: Monday, July 27, 2020 3:55 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Opposing Marvin Nichols Reservoir

Hi Kevin,

My name is Jeff Lu. I live in Dallas, TX. I'm writing to strongly oppose having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary, and would require cutting down and destroying forests, posing threats and harmful impacts on the environments and people's lives in the DFW Metro.

Thank you,
Jeff Lu

From: Jo Ann Duman <jduman8@gmail.com>
Sent: Sunday, July 26, 2020 6:09 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Coment on Region C Water Supply Plan

Kevin Ward, Region C Water Planning Group, and Texas Water Development Board:

The proposed Region C plan must remove Marvin Nichols and other proposed reservoir sites in the Sulphur River Basin.

1. The biggest need in the Region C area is to reduce wasteful water use. Most of the water is used for watering lawns. Taking natural resources and inflicting environmental damage on northeast Texas for lawns is immoral.
2. Region C must use all the potential reservoir sites in the Trinity River Basin before destroying the resources of other basins. Why does the plan not contain a single reservoir site south of Dallas along the Trinity River? Tennessee Colony remains one possibility yet TWDB and Region C have not included it in the region's plan in the past or in the current proposed plan. Not only is inflicting natural resources loss on the residents of other basins immoral, there are tremendous additional environmental and economic losses from inter-basin transfer of water rather than fully using in-basin resources first. Region C should use all the water falling within its own basin before commandeering water from other basins.
3. State water planning law does not allow devastation of natural resources and the economy of areas outside of Region C. The loss of bottomland hardwoods, farm and ranch lands, hunting revenues which often exceed farming income, and the property tax base of numerous school districts and counties in the upper Sulphur River Basin is far greater than the benefit to water users in Region C who could reduce water usage and eliminate the need for any reservoir outside Region C.
4. The available water in any reservoir proposed in the Sulphur River Basin will be much lower than Region C's current estimates. Destruction of timberlands will result in much lower rainfall as the transpiration and from trees creates the humidity that provides the higher rainfall in northeast Texas. The process of drier ecosystems caused by loss of trees is called desertification and has been widely documented in other parts of the world.

JO ANN M. DUMAN, 903-276-9434
5803B Sidney Drive, Texarkana, Texas 75503

COMMENTS – 2021 INITIALLY PREPARED REGION C WATER PLAN

John Lingenfelder, Member – Region C Water Planning Group

Water Conservation Specifics Lacking in the Region C IPP for 2021

The Region C IPP for 2021 is built upon a false premise. The premise of this plan is to ensure that the supply of water is there for whatever the estimated demand is. This premise precludes planning to ensure that estimated demand is kept within the constraints imposed by a limited supply.

Due to this above premise the plan focuses on the creation of impounded water in new reservoirs as the primary method to meet that perceived demand.

The Region C IPP for 2021 fails the test of being a balanced report. It lacks a sufficient analysis of how to moderate demand so that available supply is sufficient.

Structure of the RWP IPP Presentation

Data for Major Water Providers Is Not Clear to the Reader

There are six (6) major water providers (MWP) in the region serving 94% of the region's population and accounting for 84% of the region's demand.

Although the IPP includes data about all the water providers in Region C, it does not give a concise, clear picture of the Historical Usage, the Projected Demand, the Available Supply and the Need for each of these six MWP. Considering that 84% of Region C's demand is met by these six MWP, it would be beneficial to readers of the IPP to see in one place either the detail of or a summary of the data for each one, instead of the readers being required to tease out this data from various places in the IPP.

Water Demand Projections Do Not Reflect Active Conservation Measures

From Chapter 1.6.3 (pg. 32)

"As described in Section 2.2, the TWDB chose the year 2011 as the base planning year. Region C WUGs have continued to implement water conservation measures since 2011. The associated water savings have reduced water demand in Region C, but **this demand reduction is not reflected in the Region C water demand projections.**"

From Appendix I.1.3 (pg. 4)

"Region C WUGs have continued to implement active water conservation measures since the base year. The associated water savings has reduced water demand in Region C, but **this demand reduction is not reflected in the Region C water demand projections.**"

From Appendix I.1.2 (pg. 4)

"... the projected **water savings from passive measures are built into the Region C water demand projections.**"

"The projected passive water savings are presented in Table I.1 as "Water Savings Implicit in Water Demand Projections."

The only inference from the above is to reasonably assume that the Demand Projections in the IPP are overstated. One can only assume they do not reflect the reality of “active” water conservation measures put in place since the base year, 2011, thereby skewing the demand projection negatively.

Misstated observation about Twice Weekly Irrigation Restriction & Projected Water Savings

Appendix I.10.2 (pg. 22)

"Water savings from a twice weekly irrigation restriction are difficult to measure ... Although this restriction has been used as a drought response measure in Region C for many years, the corresponding water savings have not been widely studied. ...***a permanent restriction of this type is relatively new in Texas and the U.S., so there are limited data available regarding permanent water savings.***"

The statement that this type of restriction is relatively new in the U.S. and that there is limited data, is incorrect. The experience in California during the severe drought experienced from 2014 into 2017 demonstrated and left little doubt on the effect of landscape irrigation restriction as a major part of conservation. The California Water Board report on what had been achieved regarding urban water consumption was that there was a per capita reduction of over 20%.

The Region C IPP needs to be modified to reflect that “Twice Weekly Irrigation Restriction” should be a major part of a well-designed plan to reduce residential water demand in Region C. The TWDB has several Best Management Practice publications which address residential landscape irrigation conservation. (refer to “5.3 Landscape Irrigation Conservation and Incentives” and to “5.6 Outdoor Watering Schedule”) To not have a discussion of these Best Management Practices as an integral part of the IPP regarding water conservation, is a serious oversight and shortcoming on the part of the WPG.

One note about the California experience. Certain general restrictions were mandated statewide but did not include twice weekly residential landscape irrigation restrictions ***unless*** a major water provider did not have a plan to achieve the desired reduction in water demand. In other words, how to achieve 20% water demand reduction was left to local entities, with the promise that twice weekly restriction would be put in place if a major water provider failed in their obligation.

Acronyms and Glossary

There is a list of acronyms in the plan, but it is not readily accessible. It seems “hidden” on page 34 of the 35-page Table of Contents. Additionally, a glossary of terminology used in the IPP would be helpful.

A Data Presentation Error

Comparing “Table E.1” in Chapter 3 and “Table 3.1” in Appendix E, there appears to be a data disconnect between these tables for “Overall Water Supply Available in Region C”. The values for Reuse in the two tables should be the same but are not. Please look at to see if a correction is warranted.

Issues with Content in the IPP

Historical Usage and Projected Demand

There is an issue with the lack of connection between historic usage/demand and future demand projections. The IPP lacks quantifying the historical usage, then directly tying that history to its demand projections. It would be helpful to the reader if they could trace the historical demand to the projected demand and read the explanation of the change. One method to do this is by Water Provider.

NTMWD – History and Demand Projection

As an example, using current consumption data from NTMWD shows that for the year ending July 2019, the total water supplied to WUGs was approximately 285,000 ac ft. The IPP for NTMWD projects the 2020-decade demand will be 408,705 ac ft.

Attention to providing such historical data with an explanation of how the projected demand in the IPP increases from the 2019 285,000 ac ft to the projected 409,000 ac ft would be helpful and preclude any question about unnecessarily overestimating the projected demand.

Projections of Impounded Water Availability Based on Safe Yield Instead of Firm Yield

The IPP needs to be modified so this can be clarified. Currently, the wording of the document and the explanation therein are unsatisfactory and call into question whether the use of safe instead of firm is to purposefully obscure the possibility that there is sufficient water available looking to the future.

As noted from the TWDB definitions of each, Firm Yield quantify of water available from a reservoir is greater than the Safe Yield quantity of water available from a reservoir. Where firm yield is the quantity of water in a reservoir that would be available in a “dry year” period. Whereas, for a safe yield scenario the water available is reduced to leave a reserve supply just in case a drought is worse than any historical drought.

Firm Yield. Firm yield is defined as the maximum amount of water the reservoir can provide each year during a drought of record using reasonable sedimentation rates and reasonable pre-determined withdrawal patterns, assuming full utilization of upstream and downstream senior water rights and full satisfaction of environmental flow requirements and bay and estuary requirements if they apply.
(From TWDB publication)

Safe Yield. Safe yield represents the amount of water that could have been supplied from a reservoir during the worst historical drought leaving a reserve supply equal to one year’s supply at the end of the critical period.
(From TWDB publication)

The Water Available from reservoirs at Firm Yield for the decade of 2020 is 1,393,757 ac ft per year. However, several Major Water Providers decided that for certain reservoirs the Water Available for the Region C IPP for 2021 would use the Safe Yield. As these particular reservoirs accounted for more than 50% of the overall water available from reservoirs, this dropped the Water Available quantity by 9% to 1,269,040 or almost 125,000 ac ft per year for the 2020-decade.

There is not an explanation of why Safe Yield is used instead of Firm Yield, other than “the water provider elected to use it”. It was alluded by FNI when answering the question about this, that the

particular reservoirs designated for Safe Yield instead of Firm Yield were geographically located where these would be more susceptible to the effect of droughts. A cursory examination of the map locations of the said reservoirs calls this explanation into question.

As noted before, it would be helpful if the IPP included a report by the state climatologist concerning the effects of climate change in the coming decades. It may well be, that use of safe yield for certain reservoirs is most prudent. However, whether this is a prudent course is not conveyed in the IPP as written.

Conservation and Environmental Aspect

The Region C IPP for 2021 does little to suggest and provide analyses of methods to aggressively address controlling water demand. There are several areas which could be a part of a well-designed plan to accomplish this.

1. Residential Turf Grass. A must for the IPP is a thought-out analysis of what the water savings would be if existing residential lawns were replaced with turfgrass that was drought tolerant, requiring substantially less water than existing turf grasses. Current residential planting of turf grasses are either St. Augustine (*S secundatum*) or Bermuda grass (*C dactylon*). During the seven-month growing season these turfs require 1 or more intensive water irrigation events per week.

If these turfgrasses were replaced on a large scale in Region C with alternative turfgrasses, landscape irrigation could be reduced from 1 or more times per week to once monthly. There are existing native grasses such as mixes of Buffalo Grass (*B dactyloides*) and Texas A&M's drought tolerant St. Augustine variety, TamStar.

2. Pricing Structure for Residential Water Usage. The IPP does not have an analysis of what are the various pricing structures for residential water usage. Each of the Water User Groups provides water to the end user and charges that user for the water consumed. There are 290 Municipal Water User Groups. Each WUG sets its water rate for consumers. There is not a consistency in the pricing to encourage water conservation. If the Region C IPP for 2021 were to include an analysis of the variety of pricing structures, the history of pricing changes and any effects on per capita water usage, the Region C WPG would be able to gauge where and how this structure should be, to encourage conservation of water. Such an analysis would shine a light on how to have a positive impact on overall water demand.
3. Restriction on Residential Landscape Irrigation. As discussed previously, implementing a program as suggested in the TWDB BMP would be helpful in reducing water demand. This coupled with a water usage pricing structure would jointly and positively affect overall water demand for Region C.
4. Global Climate Change and the State Climatologist. The Region C IPP for 2021 does not include any report from the State Climatologist, Dr. John Nielsen-Gammon. It should be incumbent that, based on his report on the Texas Climate Projection issued in July 2020, he should provide data on what can be expected in the coming decades regarding the climate for North Central and

Northeast Texas. Such a report will have an impact on the expectations for Region C regarding water availability in these two regions.

5. Hurdle to Effective Conservation. To have meaningful conservation that has a positive impact on water demand will require planning with the attitude that this is one of the most important parts of the planning process. This region's population will grow tremendously. The availability of water will be spotty, problematic and uncertain. A serious focus on conservation to substantially reduce per capita water demand must become a prime part of the Region C IPP for 2021. To ignore or relegate this "to the back burner" is to do so at the peril of the region.

Climate Change and Creation of New Reservoirs

Whenever forests and savannas are inundated to impound water for a population's use, it must be understood that this destroys an ecological habitat that is home to countless flora and fauna that have synthesized a myriad of parts into a whole over decades and perhaps centuries. The lives that will be lost have value... not in an economic sense, but the flora and the fauna of the area do have an intrinsic value. Inundating such should not be taken lightly and whatever is used for mitigation will not ever replace what has been lost.

An area of forests and savannas that are permanently inundated will drown an incredible amount of life. This life will decay, rot and slowly form methane to be released to acerbate the accelerating global warming. Further, the forests and savannas which are currently sinks for global warming gases will be replaced by a surface of water which will change the area from a carbon sink to a warming sink, further acerbating global warming. A report from the state climatologist could address and confirm this.

From: John Mayes <johnmayes51@icloud.com>
Sent: Tuesday, June 2, 2020 4:02 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols

I am a very concerned land owner in Red River Co over the proposed Marvin Nichols Reservoir, I understand that lots of people need water in the Dallas area but there is plenty of water available and offered by Toledo Bend and many more alternatives , Marvin Nichols will flood several thousand achors of timber and ranch land for absolutely no reason since there's plenty of water available from so many other possibilities so I just can't understand why you want our land .
Thank you for considering other possibilities, John A. Mayes JJJ Timber Farm Red River Co Sent from my iPhone

From: john mendy <john.mendy71@gmail.com>
Sent: Monday, July 27, 2020 4:31 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir

Hi Kevin,
My name is John Mendy. I live at 8400 Stonebrook Pkwy, apt 712 Frisco, TX 75034
I am writing to strongly oppose having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary and would require cutting down and destroying forests, posing threats and harmful impacts on the environments and peoples lives in DFW Metro.

Regards

John Mendy

From: John Brooks <johnbrooks68@gmail.com>
Sent: Tuesday, June 2, 2020 3:33 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Region C IPP

I oppose the building of Marvin Nichols Reservoir proposed by Region C for several reasons. Region C has numerous alternatives rather than building MNR. One alternative is obtaining water from Toledo Bend Reservoir who has approximately 900,000 acre feet for sale. Pipeline to Lake Palestine would work. Another alternative would be to increase ability to recycle waste water substantially. Region C currently has permits to recycle approximately 200,000 acre feet per year.

Reallocation of water in existing reservoirs could be another feasible option for Region C.

The building of MNR in Region D would devastate the timber industry. To many acres of timber under water and for mitigation would affect the timber harvest and production of many timber raisers. Timber production would suffer. The cattle and ranching industry of

Region D would suffer due to loss of excellent ranch land.

Thousands of acres of farm land would be lost. Region C IPP list 700 acres of farm land would be affected by the building of MNR. I know for a fact my Son in laws group farms several thousand acres of land in the Cuthand Creek area. This makes me question the accuracy of the feasibility studies conducted by the SRBA for the benefit of Region C spending millions of dollars.

Schools in Region D would suffer due to loss of tax revenue and attendance numbers. Rivercrest ISD would lose much of its tax base from oil and gas production, farm and ranch lands, homes, timber lands, and camping and hunting land and weekend camps. Many camps already exist in the footprint of MNR. So why take the land from someone already enjoying the land for camping and hunting, to sell it to someone else to build a weekend home. Greed of money is the only reason that makes sense.

A major concern to me is the Proposed MRN is to be on the Talco media fault line. Why would anyone want to build a dam on a potentially dangerous fault line. If the dam faults due to a quake the devastation below will be major. Loss of life would be possible.

Building of MNR would destroy a unique ecosystem. The seasonal flooding and drying out is necessary for many forms of life.

In conclusion. Please remove Marvin Nichols Reservoir from the Region C proposed 2021 water plan
John T. Brooks I

From: Julie Ryan <jtexana@yahoo.com>
Sent: Monday, July 27, 2020 5:35 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Deny Marvin Nichols Reservoir

Marvin Nichols doesn't meet federal requirements by the Clean Water Act to choose the Least Environmentally Damaging Practicable Alternative (LEDPA) before pursuing destructive reservoirs like \$4.4B Marvin Nichols. It will drown 66,000 prime acres of farm and timberland in its footprint, and another 66,000 acres for mitigation. There are less damaging, less expensive ways to meet DFW's water demands:

- Increased municipal water recycling
- Harnessing urban runoff
- Storing surface water underground with aquifer storage
- Asking all customer cities to encourage less lawn watering via ordinance and education. Some cities have no ordinance at all (Farmers Branch.) The use of native plants or drought resistant turf should also be encouraged
- Ending the use of "Take or Pay" contracts by DFW water districts and water retailers. This forces cities to pay for water they may not use in any given year. 30 to 40 year Take or Pay contracts are a disincentive for cities to conserve water.
- Implementing more recycling, developing more wetland filtration projects or filter more wastewater to help secure more water.
- Utilizing more gray (used) water can meet the demand for water to water lawns. For instance, the City of Dallas has four out of six municipal golf courses which use potable drinking water instead of gray water for watering. Future lawn watering needs can also be met by capturing run-off in neighborhoods.

Why is conservation ignored in favor of a reservoir that would destroy prime farmland and timberland, and with it the livelihood and way of life of Region D residents?

There's a deplorable conflict of interest here. The engineers who studied and validated this \$4.4 billion project would also be its builders, at taxpayer expense.

Bringing water from Toledo Bend may cost more--but conservation can reduce that expense. We also cost our neighbors in Region D, but those lost resources and livelihoods aren't even considered.

Residents of Region C are in a never-ending hole when conservation is neglected, but the "build, baby, build" buddy-dealing of massive reservoirs prevails.

Decline Marvin D. Nichols Reservoir.

Sincerely,

Julie E. Ryan

5801 Preston Oaks Rd, Dallas TX 75254

From: Julie Thibodeaux <jthibodeaux62@gmail.com>
Sent: Monday, July 27, 2020 4:25 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Fwd: SAVE THE OLD FORESTS - DROP MARVIN NICHOLS RESERVOIR OUT OF WATER PLAN

Signed:
Julie Thibodeaux
1717 Belle Place
Fort Worth, Texas
76107

----- Forwarded message -----

From: Julie Thibodeaux <jthibodeaux62@gmail.com>
Date: Mon, Jul 27, 2020 at 4:23 PM
Subject: SAVE THE OLD FORESTS - DROP MARVIN NICHOLS RESERVOIR OUT OF WATER PLAN
To: <regioncwpg@trinityra.org>

DFW has other alternatives to get their water than a \$4.4 billion project that will destroy more than 66,000 acres of bottomland hardwood forest and agri-lands in Northeast Texas. Much of this land has been passed down for generations since settlers' times.

This project could hurt an entire 15-county area.

DFW cities are still among the highest per capita users of water in the state. Our local Region C water districts, cities and water retailers could do more with conservation before building a reservoir, one of the most expensive options by which to secure more water.

Building reservoirs is an out-dated mode of securing more water. DFW should do all it can with conservation and other measures before kicking Texans off their land and destroying old growth Cross Timbers forests.

Alternatives:

- Get rid of Take or Pay contracts that force cities to pay for water they may not even use annually due to being pushed into these outmoded 30-40 year contracts with rates based on the historical highest annual use of water. NTWMD is already being sued for this practice by numerous cities.
- Encourage DFW cities to develop and actually implement meaningful water conservation plans and to adopt ordinances that enforce limited lawn watering. Ask cities to encourage developers and residents to use drought resistant turf and native plants.

- Adopt the use of underground aquifer water storage instead of building reservoirs with high evaporation and sedimentation rates.
- Have cities utilize gray water for all their golf course watering. For instance, only two of Dallas' six municipal golf courses use gray water instead of potable drinking water for watering. Just these two Dallas courses that use gray water save 1 million gallons per day in water.
- Ask cities to reduce water leakage due to aging water main and pipe infrastructure.
- Cities can engage in more water recycling (including direct recycling) and harness urban runoff.

From: karendyer@sbcglobal.net <karendyer@sbcglobal.net>
Sent: Monday, July 27, 2020 3:14 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir - please read

Hi Kevin,

My name is Karen Dyer I live at 1704 Glenlivet Drive, Dallas. I'm writing to strongly oppose having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary, and would require cutting down and destroying forests, posing threats and harmful impacts on the environments and people's lives in the DFW Metro.

Together, we can solve the Climate Crisis!

With gratitude,
Karen Dyer
Climate Reality DFW

From: Karla Zemler <kzemler@att.net>
Sent: Friday, July 24, 2020 11:04 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nicoles Réservoir

Is a boondoggle for construction and cement companies at the expense of being good stewards of resources.

Another business man greasing the palm of another. Oh, maybe build a park on top of a freeway too, Oh ...you did that. When do you respect God's creation?

From: Kathy Lawrence <kathylawrence.writer@gmail.com>

Sent: Saturday, July 25, 2020 10:57 AM

To: RegionCWPG <regioncwpg@trinityra.org>

Subject: Please DO NOT Build Marvin Nichols Reservoir

We who live in Dallas, are not going to sit idly by while once again they pursue this unneeded land grab of our neighbors.

Building a reservoir is one of the most expensive ways a region can pursue to secure more water. There are cheaper, less destructive alternatives to obtain more water than building Nichols Reservoir.

Region C should be recommending cost-effective, low-impact options for water supply such as:

- Increased municipal water recycling
- Harnessing urban runoff
- Storing surface water in underground aquifers
- Asking all customer cities to encourage less lawn watering via ordinance and education. The use of native plants or drought resistant turf should also be encouraged
- Ending the use of "Take or Pay" contracts by water districts and water retailers need to end in DFW. This forces cities to pay for water they may not use in any given year. 30 to 40 year Take or Pay contracts are a disincentive for cities to conserve water.
- Implementing more recycling, developing more wetland filtration projects or filter more wastewater to help secure more water.
- Utilizing more gray (used) water can meet the demand for water to water lawns. For instance, the City of Dallas has several municipal golf courses which use potable drinking water instead of gray water for watering. Lawn watering for future expansion can also be met by capturing run-off in neighborhoods.

Any entity applying for a federal permit is required by the Clean Water Act to choose the Least Environmentally Damaging Practicable Alternative (LEDPA). There are less damaging ways to meet DFW's water demands - such as municipal water recycling, capturing urban run-off, or bringing water from the already-existing Toledo Bend Reservoir. Bringing water from Toledo Bend may cost more, but it avoids destroying 66,000 acres of prime farmland, timberland, and wildlife habitat. The other options are much less expensive.

The proposed Marvin Nichols project is designed to enrich the very engineers who studied and validated this project - they would also be the builders of this \$4.4 billion project on the backs of taxpayers! Region C should be a good neighbor to Region D, where Texans would be robbed of their heritage, their way of life, and their livelihoods. Take Marvin Nichols out of this plan - DFW can do better!

Sincerely,
Katherine Lawrence
6318 Richmond Ave, Unit 1104
Dallas, TX 75214
kathylawrence.writer@gmail.com

From: Kelly Longfellow <planetorange@hotmail.com>
Sent: Monday, July 27, 2020 7:40 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Region C Water Plan: Marvin Nichols

Hi Kevin,

My name is Kelly Longfellow.

I live at 3316 Grayson Dr, Dallas, TX, 75224.

I'm emailing you today because I strongly oppose having Marvin Nichols Reservoir in the Region C water plan!

The Marvin Nichols Reservoir is unnecessary and would require cutting down and destroying forests, disturbing the eco-system, posing threats and harmful impacts on soil, air, and water pollution, along with human risk and effects of those persons who live in the DFW Metro area.

Loyally,

Kelly Longfellow

Ph.D. Candidate, Erasmus University

VP Al Gore Climate Reality Presenter

Green Faith Fellow

817.368.3900

From: kirkmiller@juno.com <kirkmiller@juno.com>

Sent: Sunday, July 26, 2020 9:45 PM

To: RegionCWPG <regioncwpg@trinityra.org>

Cc: kirkmiller@juno.com

Subject: Region C Water Plan

I urge you to NOT build the Marvin Nichols Reservoir.

We can increase water conservation -- recycle municipal water, capture urban run-off, reduce lawn watering, use more gray water, etc. -- which is much better than building expensive reservoirs and displacing landowners who have had their ranches for many generations.

Region C originally promised that this project would not be revisited until 2070. Please keep that promise and exclude the Marvin Nichols Reservoir from the Region C Water Planning Group water plan.

Thank you.

Kirk Miller

Don't settle for the world as it is. Work for the world as it should be.

From: Kohl Zierath <kohlzierath@gmail.com>
Sent: Monday, July 27, 2020 9:55 AM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Re: Do the right thing!

Kohl Zierath, Donnington Drive, Plano TX 75093

On Mon, Jul 27, 2020 at 9:54 AM Kohl Zierath <kohlzierath@gmail.com> wrote:
Don't build a pipeline if it's gonna kill all the birds y'all believe the windmills and solar panels are the danger, when it's most likely y'all. Stop shitting all over the planet, we're busy with enough shit already.

From: Kristi Purviance <kpurviance@rivercrestisd.net>
Sent: Wednesday, June 24, 2020 9:12 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Comment

June 24, 2020

Region C Water Planning Group
% Trinity River Authority
P.O. Box 60
Arlington, Texas 76004

To Whom It May Concern:

Times are tough right now in this world. Everywhere you look there is division amongst the people: mask or no mask, conspiracy theorist or true believer, Republicans or Democrats, black or white, lake or no lake. Some of these issues we have been battling for many years. Some of these issues just won't go away. Some of these issues are matters of life and death.

Today, I want to voice my opposition to the building of Marvin Nichols. You see, I am a "no lake" person -- and it is a matter of life and death. If Marvin Nichols is built, it will mean the death of over 60,000 acres of prime Texas land. This land houses one of the largest stands of native hardwood trees. This land houses some of the most productive farms and ranches that help feed Texans daily. This land boasts world-record-holding trees and endangered species of many kinds.

The Clean Water Act states that anyone applying for a federal permit must choose the "Least Environmentally Damaging Practicable Alternative." Building Marvin Nichols Reservoir is certainly not the "Least Environmentally Damaging." There are several less damaging ways to meet Dallas-Fort Worth's water needs: municipal water recycling or bringing water from the already-existing Toledo Bend Reservoir are two "less damaging" options.

Sincerely,

Kristi Purviance
500 County Road 1320
Bogata, TX 75417

From: Layla Gulley <lgulley@salesforce.com>
Sent: Monday, July 27, 2020 4:04 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: \$4.4 B Marvin Nichols Reservoir

Hi Kevin,

My name is Layla. I live at 1100 Lake Caryolyn Pkwy, Irving, TX 75039. I'm writing to strongly oppose having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary and would require cutting down and destroying forests, posing threats and harmful impacts on the environments and people's lives in the DFW Metro.

Best, Layla

Layla Gulley

Strategic Enterprise Business Development | Salesforce
(972) 818-5641

Hi, Kevin.

My name is Lori Delacruz Lewis. I live at 6836 Parkwood Dr. in North Richland Hills, Texas. I'm writing to strongly oppose having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary and would require cutting down and destroying forests, posing threats and harmful impacts on the environment and people's lives in the DFW Metro.

Sincerely,
Lori

Lori Delacruz Lewis
Doctoral Student, Urban Planning and Public Policy
College of Architecture, Planning and Public Affairs (CAPPA)
University of Texas at Arlington
Lori.Lewis2@mavs.uta.edu • 817-233-4093

From: Maria Li-Ya Mar <maria.liya.mar@gmail.com>
Sent: Monday, July 27, 2020 2:55 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: No Marvin Nichols Reservoir!

Hi Kevin,

My name is Liya Mar. I live at 5225 Verde Valley Ln, Dallas Texas.

I'm writing to strongly **oppose** having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary and a waste of taxpayers' money, and would require cutting down and destroying forests, posing threats and harmful impacts on the environment and people's lives in the DFW Metro.

With gratitude,
Li-Ya Maria Mar, Ph.D.,
Activist & Social Media [@Climate Reality DFW Chapter](#)
[@liyammarr](#)

From: Marla Ballard <marlaballard@icloud.com>
Sent: Monday, June 29, 2020 2:02 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir

>

> I am writing in regards to the proposed Marvin Nichols Reservoir and would like to see the proposal REMOVED from any plans moving forward. There are many more cost-effective, safer, better-for-the-environment, and overall better resources that don't require land to be lost forever. The agricultural impact alone is enormous; so many people in Northeast Texas depend on land for their livelihood through forestry, livestock, farming, etc. Please consider these people and the contributions they make to our economy in this great state as well as our country before moving forward with a plan to take/destroy this land.

Thank you for your time!

Marla Ballard

From: Mary Cato <mary.e.cato@gmail.com>
Sent: Friday, July 24, 2020 9:19 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir

The proposed \$4.4 billion Marvin Nichols project is included in the Region C Water Planning Group water plan despite Region C originally promising that this project would not be revisited till 2070. The Marvin Nichols Reservoir would inundate twenty miles of the Sulphur River and more than 66,000 acres of forest and productive ranchland. The building of the reservoir would have a significant negative impact on the timber and agriculture-based economy of rural northeast Texas. The amount of land that will be taken out of production, to not only build Marvin Nichols Reservoir but also mitigate its impacts, will devastate the economy of a fifteen-county region.

Any entity applying for a federal permit is required by the Clean Water Act to choose the Least Environmentally Damaging Practicable Alternative (LEDPA). There are less damaging ways to meet DFW's water demands – such as bringing water from the already-existing Toledo Bend Reservoir. Bringing water from Toledo Bend may cost more, but it avoids destroying 66,000 acres of prime farmland, timberland, and wildlife habitat.

There are cheaper, less destructive alternatives to obtain more water than building Nichols Reservoir.

Region C should recommend cost-effective, low-impact options for water supply such as:

- Increased municipal water recycling
 - Harnessing urban runoff
 - Storing surface water in underground aquifers
 - Asking all customer cities to encourage less lawn watering via ordinance and education. The use of native plants or drought resistant turf should also be encouraged
 - Ending the use of "Take or Pay" contracts by water districts and water retailers need to end in DFW. This forces cities to pay for water they may not use in any given year. 30 to 40 year Take or Pay contracts are a disincentive for cities to conserve water.
 - Implementing more recycling, developing more wetland filtration projects or filter more wastewater to help secure more water.
 - Utilizing more gray (used) water can meet the demand for water to water lawns. For instance, the City of Dallas has several municipal golf courses which use potable drinking water instead of gray water for watering. Lawn watering for future expansion can also be met by capturing run-off in neighborhoods.
-

From: Mary Warren <marye27@sbcglobal.net>

Sent: Saturday, July 25, 2020 2:32 PM

To: RegionCWPG <regioncwpg@trinityra.org>

Subject: Better water plans to end the Marvin Nichols Reservoir project

Hello, Kevin Ward!

In the interest of having sufficient water for all living things in Texas, here are some ways to do so without building the Marvin Nichols Reservoir. The reservoir should never happen. It would cause more serious problems than it would solve.

- Get rid of Take or Pay contracts that force cities to pay for water they may not even use annually due to being pushed into these outmoded 30-40 year contracts with rates based on the historical highest annual use of water. NTWMD is already being sued for this practice by numerous cities.
- Encourage DFW cities to develop and actually implement meaningful water conservation plans and to adopt ordinances that enforce limited lawn watering. Ask cities to encourage developers and residents to use drought resistant turf and native plants.
- Adopt the use of underground aquifer water storage instead of building reservoirs with high evaporation and sedimentation rates.
- Have cities utilize gray water for all their golf course watering. For instance, only two of Dallas' six municipal golf courses use gray water instead of potable drinking water for watering. Just these two Dallas courses that use gray water save 1 million gallons per day in water.
- Ask cities to reduce water leakage due to aging water main and pipe infrastructure.
- Cities can engage in more water recycling (including direct recycling) and harness urban runoff.

Building reservoirs is an out-dated mode of securing more water. DFW should do all it can with conservation and other measures before kicking Texans off their land and denying them their livelihoods and quality of life.

Please cancel the Marvin Nichols Reservoir today.

Mary Warren
4312 McKinney Avenue #16
Dallas, Texas 75205

From: Marylee S. Thomason <acrazylady@hotmail.com>
Sent: Friday, July 24, 2020 9:37 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nicholas reservoir NO!

When a child breaks or loses a toy, the worst thing you can do it to replace it with no consequence.

When residents and businesses waste water either from laziness or lack of education, when districts fail to take advantage of the wide variety of recycling, conservation and using gray water to water yards, the worst thing you can do is to just build another reservoir to make all the problems to away.

They won't go away. Texas is growing fast. In 10 or 15 years, probably before the reservoir is paid for, there will be new cries about water shortages. The same political pressure to have plenty of water to attract new business will emerge.

Better to invest in a much less expensive and less environmentally destructive programs of education about native plants that require much less water. Create a program to re-plumb houses to capture gray water for watering plants. Capture rain water run off from streets and buildings and store it underground.

Make a concerted effort to educate the public, children and adults about the need for water conservation, how to do it at home and the personal and environmental benefits of doing so.

Let's stop taking the easy and expensive way out of solving our problems. The results are temporary. Stop bowing to political pressure, money pressure and be the leaders who through education, investment in systems, not just new pools, and education to make our area a model for water conservation where everyone lives without unnecessary waste.

No new reservoir. It is expensive, invasive, damaging to the environment and a sort term solution.

Marylee S. Thomason
Arlington, TX

From: Maureen Kellen-Taylor <regener8create@gmail.com>
Sent: Monday, July 27, 2020 3:15 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir

Hi Kevin,

My name is Dr Maureen Taylor. I live at 1618 Meadow Park Drive, Keller, Tx 76248

I'm writing to **strongly oppose** including the Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary, and would require cutting down and destroying forests, posing threats and harmful impacts on the environments and people's lives in the DFW Metro.

Destroying forests at this time is woefully and dangerously short-sighted.

Respectfully

MKT

From: Melinda Baucom <melindabaucom@yahoo.com>
Sent: Monday, July 27, 2020 4:56 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: For Kevin Ward (Marvin Nichols Res & the Region C Plan)

Hello, Kevin.

My name is Melinda Enochs-Baucom. I live in Duncanville, Texas.

I'm writing you today to strongly urge against the inclusion of the Marvin Nichols Reservoir in the Region C water plan. The inclusion of this reservoir is an expensive (\$4.4billion!) and unnecessary action. It would also require cutting down trees/destroying forests. This environmental destruction would be harmful to the citizens of the DFW metropolitan area. Loss of trees increases the urban heat island effect and reduces the land's ability to store carbon, leading to increased warming.

Please, do NOT include the Marvin Nichols Reservoir in Region C plan. It is unnecessary, costly and harmful. Thank you for your time.

Sincerely, Melinda Enochs-Baucom

From: R. Michael Martin <mm@mmsolaradvisory.com>
Sent: Monday, July 27, 2020 3:15 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: NO Marvin Nichols reservoir

Hi Kevin,

I live at 6666 Lakewood Blvd, Dallas, 75214 and am writing to strongly oppose building the Marvin Nichols Reservoir as part of the Region C water plan. This new reservoir is unnecessary and would require massive forest destruction that would threaten and harm the beautiful East Texas environment and the people who live there and in DFW.

We can find better and cheaper solutions focused on efficiencies and, together, we can solve the Climate Crisis!

With gratitude,

Michael Martin

From: Michele Cyr <Michele.Cyr@cookchildrens.org>
Sent: Monday, July 27, 2020 4:45 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir

Hello Kevin,

Take the Marvin Nichols Reservoir out of your current plans. Let's look at other options before we uproot and destroy hardwood forest and agri-lands in Northeast Texas. New technologies are available and will be developed, but they can't replace the damage that will be done if this reservoir is built. We can work on other ways to handle the demand in our area. Please don't destroy or put the burden on another area for our areas water needs. Thank you.

Cheers,

Michele Cyr

Work 682 885 6442
Cell 817 845 6747

From: MJ Bivens <mjbivens@gmail.com>
Sent: Tuesday, June 23, 2020 12:48 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir.

we don't need or want the proposed Marvin Nichols Reservoir.
Marvin Nichols Reservoir would cost \$4.4 billion and inundate 66,000 acres of beautiful forests and productive ranch land vital for wildlife habitat in the Sulphur River basin in Northeast Texas.

Region C should be recommending cost-effective, low-impact options for water supply such as increased municipal water recycling, harnessing urban runoff, and storing surface water in underground aquifers. Water conservation efforts should be focused on reducing lawn watering, including promoting use of native plants, or plants with water needs that can be supplied by the local rainfall.

The Clean Water Act requires that anyone applying for a federal permit choose the Least Environmentally Damaging Practicable Alternative (LEDPA). There are less damaging ways to meet DFW's water demands – such as municipal water recycling, capturing urban run-off, or bringing water from the already-existing Toledo Bend Reservoir. Bringing water from Toledo Bend may cost more, but it avoids destroying 66,000 acres of prime farmland, timberland, and wildlife habitat. The other options are much less expensive.

From: MOLLY ROOKE <mollyrooke@sbcglobal.net>
Sent: Monday, July 27, 2020 2:31 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Remove Marvin Nichols Reservoir from the Region C water plan

Dear Kevin Ward and Region C Planning Group,

Please, remove Marvin Nichols Reservoir from the Region C water plan. This has long been, and continues to be, a bad idea as there are much less expensive and harmful ways for Region C to meet its water needs.

The Marvin Nichols Reservoir:

- is unnecessary,
- is unfair to local property owners, and would cause the destruction of 66,000 acres of agricultural and forest lands in East Texas which are needed to clean our air and protect our climate, as well as support local jobs and economy.

Instead:

- stop the long "Take or Pay" contracts which are huge disincentives to water efficiency
- require policies which will get big reductions in water use and waste (enforced watering restrictions, native plants, xeriscape, and drought tolerant turf grasses
- repair and replace leaky pipes and infrastructure
- encourage water recycling and graywater use
- store water in underground aquifers which reduce water loss through evaporation and don't have sedimentation problems of above ground reservoirs
- maintain and improve efficiency of current reservoirs through dredging of sedimentation, etc.

Please, pursue the many less costly, more eco-friendly and equitable ways to meet the Region C future water needs, NOT Marvin Nichols Reservoir.

Sincerely,
Molly Rooke
5825 Palm Lane
Dallas, TX 75206
214-762-3163

From: Paula Day <pmday7@gmail.com>
Sent: Monday, July 27, 2020 4:07 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Opposition to Marvin Nichols Reservoir

Mr. Ward,
My name is Paula Day. I live at 5011 Reiger Ave. in Dallas.

I'm writing to strongly oppose having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary and would require cutting down and destroying forests, posing threats and harmful impacts on the environment and people's lives in the DFW Metroplex.

The answer is not to keep building reservoirs without addressing much-needed conservation steps. This is completely analogous to trying to address traffic problems by adding more lanes to the road. This project will destroy more than 66,000 acres of bottomland hardwood forest and agri-lands in Northeast Texas. There are cheaper and more effective ways to meet the water needs of the region that have not been fully explored.

Sincerely,
Paula Day

From: Peggy Henger <pjhenger@verizon.net>
Sent: Saturday, July 25, 2020 11:58 AM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Water Conservation

I would encourage you to NOT build Marvin Nichols reservoir. Instead, use grey water for agricultural crops and not essential uses. And encourage less watering (with massive run-offs) among homeowners and businesses. We can all do better at conserving water!

The harm in building the reservoir far outweighs the benefits.

Peggy Henger
1405 McCallum Dr.
Garland, TX 75042
pjhenger@verizon.net

From: Penelope Bisbee <penbisbee@aol.com>

Sent: Monday, July 27, 2020 4:40 PM

To: RegionCWPG <regioncwpg@trinityra.org>

Subject: Marvin Nichols Reservoir - No

Region C,

Please don't build the Marvin Nichols Reservoir. It is a bad idea because:

- 1) It would destroy productive ranch land. Some of the ranches have been in families for generations. How far does Texas want to go with eminent domain?
- 2) It would have a negative impact on the timber and agriculture-based economy of rural northeast Texas.
- 3) There are other solutions, such as: increased municipal water recycling, ending the use of "take or pay" contracts, utilizing more gray water, especially on City of Dallas golf courses, and importantly, asking citizens to be smart about their lawns. In my neighborhood, I see automatic sprinklers in use when it's raining or has just rained. Why? Why water when it's raining? Provide more education about drought resistant plants and grasses. And encourage homeowners to conserve water and not be selfish about their water use.

When all other actions, have been exhausted, then look at a new reservoir. Perhaps in 2070.

Thank you.

Penelope Bisbee
6505 Winton St
Dallas, TX. 75214
817.360.6421

From: Rachel Baker Ford <multismus@aol.com>
Sent: Monday, July 27, 2020 4:01 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: SAY NO to the Marvin Nichols Reservoir Project

DFW can meet their water needs with other alternatives than expensive reservoirs!

The proposed Marvin Nichols project is designed to enrich the very engineers who studied and validated this project -- they would also be the builders of this \$4.4 billion project on the backs of taxpayers! Region C should be a good neighbor to Region D, where Texans would be robbed of their heritage, their way of life, and their livelihoods. Take Marvin Nichols out of this plan – DFW can do better!

There are less damaging ways to meet DFW's water demands – such as municipal water recycling, capturing urban run-off, or bringing water from the already-existing Toledo Bend Reservoir. Bringing water from Toledo Bend may cost more, but it avoids destroying prime farmland, timberland, cultural artifacts and wildlife habitat. The other options are much less expensive. Building a reservoir is one of the most expensive ways a region can pursue to secure more water. There are cheaper, less destructive alternatives to obtain more water than building Nichols Reservoir.

Region C should be recommending cost-effective, low-impact options for water supply such as:

- Increased municipal water recycling
- Harnessing urban runoff
- Storing surface water underground with aquifer storage
- Asking all customer cities to encourage less lawn watering via ordinance and education. Some cities have no ordinance (Farmers Branch). The use of native plants or drought resistant turf should also be encouraged
- Ending the use of "Take or Pay" contracts by water districts and water retailers need to end in DFW. This forces cities to pay for water they may not use in any given year. 30 to 40 year Take or Pay contracts are a disincentive for cities to conserve water.
- Implementing more recycling, developing more wetland filtration projects or filter more wastewater to help secure more water.
- Utilizing more gray (used) water can meet the demand for water to water lawns. For instance, the City of Dallas has four out of six municipal golf courses which use potable drinking water instead of gray water for watering. Future lawn watering needs can also be met by capturing run-off in neighborhoods.

Any entity applying for a federal permit is required by the Clean Water Act to choose the Least Environmentally Damaging Practicable Alternative (LEDPA) before pursuing destructive reservoir like \$4.4B Marvin Nichols which will drown 66,000 acres in its footprint, and another 66,000 acres for mitigation.

There are less damaging ways to meet DFW's water demands – such as municipal water recycling, capturing urban run-off, or bringing water from the already-existing Toledo Bend Reservoir. Bringing water from Toledo Bend may cost more, but it avoids destroying prime farmland, timberland, cultural artifacts and wildlife habitat. The other options are much less expensive.

The proposed Marvin Nichols project is designed to enrich the very engineers who studied and validated this project -- they would also be the builders of this \$4.4 billion project on the backs of taxpayers! Region C should be a good neighbor to Region D, where Texans would be robbed of their heritage, their way of life, and their livelihoods.

Take Marvin Nichols out of this plan – DFW can do better!

Rachel Baker Ford
Charles E. Ford, Jr.
3317 Knights Haven Lane
Garland, Texas 75044-5429

(972-530-6484)

From: Marin, Rebecca <rmarin@mail.smu.edu>
Sent: Monday, July 27, 2020 3:09 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir

Hi Kevin. My name is Rebecca Marin, and I live at 3989 Highgrove Drive; Dallas, TX 75220.

I'm writing you to urge water planners to take the \$4.4 B Marvin Nichols Reservoir out of the Region C water plan. The Marvin Nichols Reservoir is unnecessary and a waste of money; it would require cutting down and destroying forests, posing threats and harm our environment and people's lives in the DFW Metroplex.

I believe there are less destructive, cheaper and more eco-friendly ways to meet DFW's water needs.

Sincerely,

Rebecca Marin

From: Richard Guldi <RLGuldi77@gmail.com>
Sent: Saturday, July 25, 2020 11:38 AM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Don't build Martin Nichols Reservoir

85% of the water in a reservoir evaporates before leaving the reservoir.

Focus on water recycling like Dallas is doing.

It's much less expensive, doesn't destroy good farm and wood land, and just makes sense.

Stop the empire builders from their folly.

Thanks,
Dick Guldi,
Co-Chair Conservation,
Dallas Sierra Club.

From: Richard Rivera <richard.rivera@salesforce.com>
Sent: Monday, July 27, 2020 4:05 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: NO to Region C Water Plan

Hi Kevin,

My name is Richard Rivera. I live at 2148 Barberry Dr. 75211. I'm writing to strongly oppose having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary, and would require cutting down and destroying forests, posing threats and harmful impacts on the environment and people's lives in the DFW Metro.

Together, we can solve the Climate Crisis!

Cheers,
RICHARD RIVERA
Associate Systems Specialist | EOps - Real Estate | Salesforce
Mobile: 214-549-6715

From: roger arnold <rarnoldreit6@gmail.com>
Sent: Monday, July 27, 2020 2:58 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir

Hi Kevin,

My name is Roger Arnold. I live at 8014 Westover Drive/ Dallas, Texas 75231
I'm writing to strongly oppose having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary, and would require cutting down and destroying forests, posing threats and harmful impacts on the environments and people's lives in the DFW Metro.

From: Ryan Hamilton <rah0226@gmail.com>
Sent: Monday, July 27, 2020 3:30 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Cancel the Marvin Nichols Reservoir

Mr. Ward,

My name is Ryan Hamilton. I live at 7787 Park Downs Drive in Fort Worth. I'm writing to strongly oppose having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary, and would require cutting down and destroying forests, posing threats and harmful impacts on the environment and people's lives in the DFW Metro. The project will destroy more than 66,000 acres of bottomland hardwood forest and agri-lands in Northeast Texas. Much of this land has been passed down for generations since settlers' times. DFW cities are still among the highest per capita users of water in the state. Our local Region C water districts, cities and water retailers could do more with conservation before building a reservoir, one of the most expensive options by which to secure more water.

The options we have at our disposal are numerous, and include asking DFW cities to develop and actually implement meaningful water conservation plans and to adopt ordinances that enforce limited lawn watering. In addition, we can ask cities to encourage developers and residents to use drought resistant turf and native plants. We can have cities utilize gray water for all their golf course watering. For instance, only two of Dallas' six municipal golf courses use gray water instead of potable drinking water for watering. Just these two Dallas courses that use gray water save 1 million gallons per day in water. Another ask we should make of cities is to reduce water leakage due to aging water main and pipe infrastructure. This not only sures up our infrastructure but creates JOBS! Cities can also engage in more water recycling (including direct recycling) and harness urban runoff. As we pour more concrete, we create situations where we limit the Earth's ability to naturally handle and store rainwater. The cities pouring that concrete need to be part of the solution.

Building reservoirs is an out-dated mode of securing more water. DFW should do all it can with conservation and other measures before kicking Texans off their land and denying them their livelihoods and quality of life. Please work with our communities and with our natural resources to make sustainable choices before you make mistakes that will be deadly for some.

Respectfully,
Ryan Hamilton
Fort Worth Texas
817-287-1659

From: sahan yerram <sahanerram@gmail.com>
Sent: Saturday, July 25, 2020 12:57 AM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Don't Build The Marvin Nichols Reservoir

Hello, my name is Sahan and I'm a local Texan expressing my interest in opposing the construction of the Marvin Nichols Reservoir. The expansive reservoir is very harmful to landowners and will cause unnecessary displacement of happy families. There are better options for water supply such as storing surface water in underwater aquifers and collecting surface runoff.

From: Seylah Williams <seylahgirl@gmail.com>
Sent: Monday, July 27, 2020 3:11 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject:

Hi Kevin,
My name is Seylah Williams. I live at 1981 Lake Crest In Denton, Texas. I'm writing to strongly oppose having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary, and would require cutting down and destroying forests, posing threats and harmful impacts on the environments and people's lives in the DFW Metro.

Please consider keeping our land and people safe.

From: Sharon Richey <srichey7@gmail.com>
Sent: Sunday, July 26, 2020 11:57 AM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: I urge you to vote NO!

URGENT... I implore that you remove plans for Marvin Nichols Reservoir out plans of the Region C.

There are less destructive (and also more money-saving!) ways to meet our water needs here in DFW.

Did you not make commitments telling East Texas that they would wait till 2070 to build this reservoir?

DFW has other alternatives!

This \$4.4 billion project would, if allowed to begin, destroy more than 66,000 acres of bottomland hardwood forest and agri-lands.
Land that marks family's generations since settlers' times.
Sharon Richey
Ft Worth, TX 76133
Note: Sierra Club has opposed this since the year 2000!

From: Simon Rook <simon.rook@gmail.com>
Sent: Monday, July 27, 2020 3:03 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: No to Marvin Nichols Reservoir in the Region C water plan

Hi Kevin,
My name is Simon M. Rook. I live at 640 S. Moore St Dallas, TX 75203. I'm writing to strongly oppose having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary, and would require cutting down and destroying forests, posing threats and harmful impacts on the environment and people's lives in the DFW Metro.

Thank you,
Simon M. Rook

From: Stacy Clark <stacywriterclark@gmail.com>
Sent: Monday, July 27, 2020 3:30 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: No on the reservoir.

Dear Kevin,

My name is Stacy Clark and I live at 4504 Glenwick Lane in Dallas.

I'm writing to strongly oppose having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary and would require cutting down and destroying forests, which are important carbon sinks.

Cordially,

Stacy Clark
214-505-9953

From: Sverdlik, Steven <sverdlik@mail.smu.edu>
Sent: Monday, July 27, 2020 3:17 PM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir

Hello Kevin,

I'm writing to strongly oppose having Marvin Nichols Reservoir in the Region C water plan. The Marvin Nichols Reservoir is unnecessary, and would require cutting down and destroying forests, posing threats and harmful impacts on the environments and people's lives in the DFW Metro.

Thanks for your consideration of this.

Steven Sverdlik

3989 Highgrove Drive
Dallas, TX 75220

From: Susan Cowger <cowger.susan@gmail.com>
Sent: Saturday, July 25, 2020 6:08 AM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir

I live in Dallas and, for the record, I am opposed to this reservoir being built. It is too expensive and disruptive in light of the many better ways to obtain necessary water.

Susan Cowger

From: Tolbert Greenwood <tolbertgreenwood@gmail.com>

Sent: Monday, July 27, 2020 3:27 PM

To: RegionCWPG <regioncwpg@trinityra.org>

Subject: Opposition to Marvin Nichols Reservoir

I have been following the efforts to get approval for construction of Marvin Nichols Reservoir for 15 or more years. I have studied the pros and cons and visited the area to be inundated by the reservoir. I strongly oppose the construction of this reservoir.

First, it is not the least environmentally damaging alternative. There are less damaging ways for water demands of the Dallas Fort Worth area to meet its water needs. There are less expensive ways to meet these demands.

Second, the DFW area has not implemented less expensive, less destructive programs to conserve or diminish the needs or demands for water or plan for conservation, recycling, or other reasonable options to conserve and reduce demands.

Third, the citizens where Marvin Nichols Reservoir is to be located have for years opposed the destruction of their farms and ranches and forests for this project. They have recognized that the inundation of old mines by the lake would create environmental damage in addition to the destruction of their beautiful country.

Fourth, this is just another boondoggle to enable the DFW area to continue its wasteful water practices and keep all of its yards and golf courses green while destroying beautiful wooded forests, fields and farms of East Texas. \$4.4 billion will become \$5 billion or even \$6 billion to benefit some engineers and contractors while destroying 66,000 acres and hundreds of miles of pipeline right of way across Texas.

Hopefully, the permit will be denied again and the next time they bring this environmentally damaging project up.

Respectfully submitted,
Tolbert L. Greenwood
6728 Kirkwood Rd.
Fort Worth, TX 76116

From: Guy Cage <guycage.123@gmail.com>
Sent: Monday, July 27, 2020 11:22 AM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Water Reservoir

Please take this reservoir out of the Region C Plan. It will have harmful impacts on the climate and is a waste of money.

Thanks,
William Guy Cage, Jr.
9959 Adleta Blvd, Apt 1604
Dallas, TX 75243

From: William Forbes <bforbes04@gmail.com>
Sent: Monday, July 27, 2020 10:04 AM
To: RegionCWPG <regioncwpg@trinityra.org>
Subject: Marvin Nichols Reservoir proposal

I am writing from East Texas to say the proposal for a \$4.4 billion Marvin Nichols Reservoir is outrageous and needs to be removed immediately from the water plan. This is an archaic, more expensive, more destructive way to meet water needs.

DFW cities are still among the highest per capita users of water in the state. As one gentleman rancher said MANY years ago on a Texas PWD video segment, why should he lose his ranch just because folks in Dallas refuse to practice water conservation with xeriscaping and many other potential measures. I thought conservative leaders were against top-down government takeovers!

Here are some alternative measures:

- Get rid of Take or Pay contracts that force cities to pay for water they may not even use annually due to being pushed into these outmoded 30-40 year contracts with rates based on the historical highest annual use of water. NTWMD is already being sued for this practice by numerous cities.
- Encourage DFW cities to develop and actually implement meaningful water conservation plans and to adopt ordinances that enforce limited lawn watering. Ask cities to encourage developers and residents to use drought resistant turf and native plants.
- Adopt the use of underground aquifer water storage instead of building reservoirs with high evaporation and sedimentation rates.
- Have cities utilize gray water for all their golf course watering. For instance, only two of Dallas' six municipal golf courses use gray water instead of potable drinking water for watering. Just these two Dallas courses that use gray water save 1 million gallons per day in water.
- Ask cities to reduce water leakage due to aging water main and pipe infrastructure.
- Cities can engage in more water recycling (including direct recycling) and harness urban runoff.

Remove the reservoir from the plan, NOW!!!!!!!!!!!!!!!!!!!!!!

William Forbes
607 Burk Street
Nacogdoches, TX 75964

Attachment Three

Prioritization of Region C Projects

TO: Region C Prioritization Subcommittee

FROM: Simone Kiel, Abbie Gardner, Kristal Williams

CC: Project File – TR116409

SUBJECT: Methodology for 2021 RCWP Project Prioritization

DATE: June 2020

1.00 INTRODUCTION

As required by regulation and rule, all recommended regional water planning projects with a capital cost must be prioritized based on uniform standards. To assist with this effort, the TWDB provided a standard scoring template. This memorandum outlines the methodology applied to complete the TWDB Project Prioritization Template for 2021 RCWP projects. This methodology incorporates guidance from the TWDB. The uniform standards for project scoring were developed by a stakeholders committee consisting of the 16 RWPG chairs. Each uniform standard has a maximum score as developed by the stakeholder committee. Additionally, each criterion has a weighting factor as developed by the stakeholder committee and are applied automatically on each criterion's final score. These scoring standards and weighting factors cannot be changed.

TWDB's standard scoring template (Excel spreadsheet) was used for the prioritization process. TWDB provided the template pre-populated with projects from DB22 to Region C on March 24, 2020.

2.00 STRATEGY GROUPING (ROLLUP)

Some projects that were sponsored by multiple entities were grouped to give a cohesive score to the overall project. These projects were scored based on the total cost, total need, and total supply volume for all participating entities. These projects included the:

- Marvin Nichols (328 ft) Strategy for NTMWD, TRWD, and UTRWD,

- Wright Patman Reallocation for NTMWD, TRWD, and UTRWD
- Lake Chapman Pump Station Expansion for NTMWD and Irving
- Integrated Pipeline (IPL) for TRWD and DWU

2.01 CRITERIA 1 - DECADE OF NEED FOR PROJECT (40% TOTAL WEIGHT)

Uniform Standard 1A - What is the decade the RWP shows the project comes online?

Weight: 20%

Scoring of this standard is as follows:

2070 = 0 points; 2060 = 2; 2050 = 4; 2040 = 6; 2030 = 8; 2020 = 10.

The following methodology was applied to determine project online decade:

- All projects were scored based on the first decade with a supply allocation/strategy volume.

Uniform Standard 1B - In what decade is initial funding needed? Weight: 20%

Scoring of this standard is as follows:

2070 = 0 points; 2060 = 2; 2050 = 4; 2040 = 6; 2030 = 8; 2020 = 10.

The following methodology was applied to determine project initial funding decade:

- If an infrastructure financing report (IFR) survey was received indicating the date of initial funding needed, this date was used. If the date provided was a non-decadal value, the preceding decade was used for scoring purposes (i.e. if response was funding needed in 2033, 2030 was selected and was given a score of 8).
- If an IFR survey was not received, the following assumptions were used:
 - For projects with a capital cost of more than \$100 million, the funding is assumed to be needed two decades before the project comes online (with the maximum score being 10).

- For projects with a capital cost of \$100 million or less, the funding is assumed to be needed one decade before the project comes online (with the maximum score being 10).

2.02 CRITERIA 2 - PROJECT FEASIBILITY (10% TOTAL WEIGHT)

Uniform Standard 2A - What supporting data is available to show that the quantity of water needed is available? Weight: 2%

The TWDB scoring of this standard is as follows:

- Models suggest insufficient quantities of water or no modeling performed = 0 points;
- Models suggest sufficient quantity of water = 3;
- Field tests, measurements, or project specific studies confirm sufficient quantities of water = 5

In an effort to further define and document the specific data for each project, Region C has developed a more detailed/expanded scoring guide as follows:

- Score of 0 for:
 - No Modeling performed
 - Assumed no Modeling
- Score of 3 for:
 - Conservation analyzed in 2021 Plan
 - GAM modeling for groundwater supply
 - WAM modeling for surface water supply
 - Reuse – relying on projected future effluent

- Score of 5 for:
 - Detailed study
 - Pilot tests for wells
 - Reuse – relying on existing effluent flows

Each project has been individually assessed on this scoring criteria.

Uniform Standard 2B - If necessary, does the sponsor hold necessary legal rights, water rights, and/or contracts to use the water that this project would require? Weight: 2%

The TWDB scoring of this standard is as follows:

- Legal rights, water rights and/or contract application not submitted = 0 points;
- application submitted = 2;
- application is administratively complete = 3;
- legal rights, water rights and/or contracts obtained or not needed = 5

In an effort to further define and document the specific data for each project, Region C has developed a more detailed/expanded scoring guide as follows:

- Score of 5 for:
 - Conservation - no water right needed
 - Contract in place
 - Existing water supplies
 - Water treatment plant - no right needed

If information was known about a strategy, it was utilized. In instances where specific information was not known, it was assumed that:

- If a strategy came online in 2030 or later, that permits had not yet been obtained.
- If a groundwater strategy came online in 2020 and was in a County with no GCD, that no other permits were needed.
- If an entity was an existing customer of a wholesale provider and contract amount was not known, it was assumed that they did not need an increase in contract to obtain additional water supply.
- If an entity was considered a future customer of a wholesale provider, it was assumed that a contract was not in place.

Each project has been individually assessed on this scoring criteria.

Uniform Standard 2C - What level of engineering and/or planning has been accomplished for this project? Weight: 4%

The TWDB scoring of this standard is as follows:

- 1 = Outlined in RWP
- 2 = Feasibility study initiated
- 3 = Feasibility study completed
- 4= Conceptual design initiated
- 5 = Conceptual design completed
- 6 = Preliminary engineering report initiated
- 7 = Preliminary engineering report completed
- 8 = Preliminary design initiated
- 9 = Preliminary design completed
- 10 = Final design completed

This criterion was answered using available data and judgment as available. Potential sources of information include the 2021 RWP and support material, updated stakeholder data, or WUG/WWP survey data. In many cases, reliable information is not readily available even through the sources named above. For that reason, the following approach was considered:

- If specific information was available, score as appropriate based on specific information
- For Projects without specific information, the following assumptions were applied:
 - Projects coming online in 2020 were scored as 8 (preliminary design initiated)
 - Projects coming online in 2030 were scored as 3 (feasibility studies completed)
 - Projects coming online in 2040-70 were scored a 1 (outlined in Regional Water Plan)

Each project has been individually assessed on this scoring criteria.

Uniform Standard 2D - Has the project sponsor requested in writing that the project be included in the Regional Water Plan? Weight: 2%

Several surveys were distributed throughout the planning process concerning water management strategies. If an entity responded to any one of these surveys, the project received a “yes” and was scored 5 points. All conservation projects received a “yes” and were scored 5 points due the required Water Conservation and Drought Contingency Plans for entities. Freese and Nichols staff met directly with major wholesale water providers (WWPs). If FNI had an in-person meeting with the entity concerning the Region C plan, the meeting notes were considered to be a request in writing and were scored with as “yes.” Further, if an entity responded in writing during any previous planning cycle, the project received a “yes” and was

scored 5 points. If the entity never responded to a survey indicating their agreement with the strategies, the project received a “no” and was given 0 points.

2.03 CRITERIA 3 – PROJECT VIABILITY (25% TOTAL WEIGHT)

Uniform Standard 3A - In the decade the project supply comes online, what is the % of the WUG's (or WUGs') needs satisfied by this project? Weight: 8.33%

Addressing this criterion requires a more complex dataset than that provided in the TWDB Prioritization Template, which only includes projects. Projects in the database by definition do not directly have a supply volume. Only strategies have a supply volume and then projects are the infrastructure necessary to develop a strategy. However, a project can be related to multiple strategies and the total volume of the multiple strategies can exceed the capacity of the given project. In order to address this, an alternate table of supply volumes was developed that is referenced for each project. The following logic was applied in scoring this criterion:

- Entities with no needs received a score of 100% (rather than a calculated “error” of supply divided by 0 need). This applied mostly to conservation projects.
- If the project served only one WUG, then the score was auto-calculated based on the supply and need in the first decade online for that one WUG.
- If the project applied to multiple WUGs/WWPs, the sum of needs for those WUGs/WWPs was calculated. The score was then auto-calculated based on the supply and need in the first decade online.

Uniform Standard 3B - In the final decade of the planning period, what is the % of the WUG's (or WUGs') needs satisfied by this project? Weight: 8.33%

This criterion was addressed in the same manner as Uniform Standard 3A, using the last online year of needs and supplies.

Uniform Standard 3C - Is this project the only economically feasible source of new supply for the WUG, other than conservation? Weight: 4.17%

All conservation strategies were given 0 points. The number of non-conservation projects were then counted for each sponsor entity and when there was more than one project, it was given a “no” and scored zero points. If the project was the only non-conservation project, it was considered the only economically feasible source of new supply and given a “yes” with a score of 5 points.

Uniform Standard 3D - Does this project serve multiple WUGs? Weight: 4.17%

The TWDB scoring of this standard is 0 for “No” and 5 for “Yes”. This question was answered individually for each project. In general, all conservation was assumed to apply to only the entity listed as the sponsor. In the same way, most projects sponsored by non-municipal and County Other WUGs were assumed to serve only the WUG listed as the sponsor. In general, projects sponsored by WWP were assumed to serve multiple WUGS (all WWP customers) unless specific information dictated otherwise. In all other cases, this standard was answered individually based on project knowledge.

2.04 CRITERIA 4 - PROJECT SUSTAINABILITY (15% TOTAL WEIGHT)

Uniform Standard 4A - Over what period of time is this project expected to provide water (regardless of the planning period)? Weight: 10%

The TWDB scoring of this standard is 5 for “Less than or equal to 20 years” and 10 for “More than 20 years”. Most of the projects in the regional plan are anticipated to have lifespans of many decades, and therefore the majority of entries in the prioritization template will achieve the maximum points on this criterion. The exceptions to this are:

Conservation, Water Loss Control was considered to provide savings from pipe replacement for 20 years. After that, it was assumed that entity would have to reinvest to continue to recognize the water savings. For this reason, these projects were scored with a 5.

Uniform Standard 4B - Does the volume of water supplied by the project change over the regional water planning period? Weight: 5%

The TWDB scoring of this standard is 0 for “Decreases”, 3 for “No change,” and 5 for “Increases”. Projects with a change in supply volume of less than 5 acre-feet were assumed to

have “no change” and were scored a 3. Otherwise, projects were scored based on if the supply volume went up or down over the planning period.

2.05 CRITERIA 5 - PROJECT COST EFFECTIVENESS (10% TOTAL WEIGHT)

Uniform Standard 5A - What is the expected unit cost of water supplied by this project compared to the median unit cost of all other recommended strategies in the region's current RWP? Weight: 10%

The TWDB scoring of this standard is as follows:

- 0 = 200% greater than median
- 1 = 150-199% greater than median
- 2 = 101-149% greater than median
- 3 = 100% of median
- 4 = 51-99% of median
- 5 = 0-50% of median

For each project, a unit cost for the first online decade was calculated using the annual cost including debt service and the supply volume. Once the unit costs were calculated for each project, the costs were compiled and a median was developed. The first decade unit cost was then compared to the median first decade unit cost. Each project was scored according to its relation to the median unit cost per TWDB scoring guidelines.

3.00 RANKINGS

Projects were scored utilizing the standard scoring template provided by TWDB and the additional methodologies outlined in this memorandum. Upon completion of project scoring, projects were ranked from highest to lowest uniform standard score. This provides an organized prioritization of Region C projects, which can then be incorporated into state prioritization used for State Water Implementation Fund for Texas (SWIFT) funding decisions.

Among the highest Region C prioritized projects are water infrastructure improvements to deliver water and conservation.

Table 1 Region C Project (with Conservation) Rankings

Project Name	FINAL SCORE FOR PROJECT	Rank
DWU - Infrastructure to Treat and Deliver to Customers 2020	950.33	1
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2020-2030	942.33	2
NTMWD Treatment & Treated Water Distribution Improvements 2020-2030	922.33	3
Newark - Connect to Rhome	917.98	4
Midlothian - Expand Tayman WTP to 20 MGD	914.33	5
Terrell - Ground Storage Tank and Pump Station at NTWMD Delivery Point	913.91	6
Terrell - Infrastructure Improvements to wholesale customer	913.91	6
Runaway Bay - Increase Capacity of Lake Intake	906.71	8
B H P WSC - Direct Connection to NTWMD	901.84	9
Manufacturing, Wise County - New Well(s) in Trinity Aquifer	894.79	10
Irving - TRA Central Reuse	892.00	11
Livestock, Henderson - New Well(s) in Carrizo-Wilcox Aquifer	882.33	12
Livestock, Tarrant - New Well(s) in Trinity Aquifer	882.33	12
Mining, Grayson County - New Well(s) in Trinity Aquifer	882.33	12
NTMWD - Bois d'Arc Lake	881.56	15
DWU - Infrastructure to Treat and Deliver to Customers 2030	874.33	16
Willow Park - Connect to Fort Worth	872.61	17
Mining, Parker County - New Well(s) in Trinity Aquifer	862.33	18
East Fork SUD - Additional Delivery Infrastructure from NTMWD	862.09	19
Cash WSC - Additional Delivery Infrastructure from NTMWD	861.34	20
Grand Prairie - Additional Delivery Infrastructure from DWU	858.91	21
Conservation, Water Loss Conservation - Dogwood Estates Water	858.67	22
Conservation, Water Loss Control - Annetta	858.67	22
Conservation, Water Loss Control - Arledge Ridge WSC	858.67	22
Conservation, Water Loss Control - B and B WSC	858.67	22
Conservation, Water Loss Control - Bethel-Ash WSC	858.67	22

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Buena Vista - Bethel SUD	858.67	22
Conservation, Water Loss Control - Butler WSC	858.67	22
Conservation, Water Loss Control - Callisburg WSC	858.67	22
Conservation, Water Loss Control - Chatfield WSC	858.67	22
Conservation, Water Loss Control - Cooke County	858.67	22
Conservation, Water Loss Control - Corbet WSC	858.67	22
Conservation, Water Loss Control - Dorchester	858.67	22
Conservation, Water Loss Control - Ellis County	858.67	22
Conservation, Water Loss Control - Fannin County	858.67	22
Conservation, Water Loss Control - Files Valley WSC	858.67	22
Conservation, Water Loss Control - Freestone County	858.67	22
Conservation, Water Loss Control - Grayson County	858.67	22
Conservation, Water Loss Control - Johnson County SUD	858.67	22
Conservation, Water Loss Control - Navarro County	858.67	22
Conservation, Water Loss Control - Navarro Mills WSC	858.67	22
Conservation, Water Loss Control - Pelican Bay	858.67	22
Conservation, Water Loss Control - Pleasant Grove WSC	858.67	22
Conservation, Water Loss Control - Sansom Park	858.67	22
Conservation, Water Loss Control - Trinidad	858.67	22
UTRWD - Lake Ralph Hall and Reuse	856.99	46
Parker - Additional Delivery Infrastructure from NTWMD	856.67	47
Northwest Grayson County WCID 1 - New Well(s) in Trinity Aquifer	855.95	48
Wise County WSD - 9 MGD WTP Expansion	855.14	49
Rockwall - Additional Delivery Infrastructure from NTWMD	854.73	50
Springtown - Infrastructure Improvements- Surface Water Treatment Plant & Supply Project	853.38	51
Conservation, Water Loss Control - Bedford	852.51	52
Azle - 4 MGD WTP Expansion	849.46	53
Crowley - Additional Delivery Infrastructure Fort Worth	846.15	54
Athens MWA - WTP Infrastructure Improvements	845.74	55
Mabank - Additional Delivery Infrastructure from TRWD (Cedar Creek Reservoir)	840.72	56
Conservation, Water Loss Conservation - Desert WSC	838.67	57
Conservation, Water Loss Control - Bolivar WSC	838.67	57

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Bonham	838.67	57
Conservation, Water Loss Control - Crescent Heights WSC	838.67	57
Conservation, Water Loss Control - Dawson	838.67	57
Conservation, Water Loss Control - Denton County	838.67	57
Conservation, Water Loss Control - Eustace	838.67	57
Conservation, Water Loss Control - Frognot WSC	838.67	57
Conservation, Water Loss Control - Horseshoe Bend Water System	838.67	57
Conservation, Water Loss Control - Kerens	838.67	57
Conservation, Water Loss Control - M-E-N WSC	838.67	57
Conservation, Water Loss Control - Reno	838.67	57
Conservation, Water Loss Control - Rice WSC	838.67	57
Conservation, Water Loss Control - Virginia Hill WSC	838.67	57
Conservation, Water Loss Control - West Leonard WSC	838.67	57
Watauga & N Richland Hills - Increase Delivery Infrastructure from Fort Worth	837.58	72
Parker County SUD - 3.5 MGD WTP Desal Expansion-BRA Supply	836.31	73
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2030-2040	834.33	74
Wilmer - Increase Capacity of Connection with Lancaster	834.04	75
Bois d'Arc MUD - Connect to NTWMD	830.38	76
Midlothian - Expand Auger WTP to 16 MGD	830.12	77
Wylie Northeast SUD - Additional Delivery Infrastructure from NTWMD	830.06	78
Sunnyvale - Additional Delivery Infrastructure from NTMWD	823.94	79
Muenster - Develop Lake Muenster Supply	822.33	80
Conservation, Water Loss Control - Mountain Spring WSC	818.67	81
NTMWD Treatment & Treated Water Distribution Improvements 2030-2040	814.33	82
Hudson Oaks - Direct Connection to Fort Worth	814.27	83
Rice WSC - Additional Delivery Infrastructure from Corsicana	812.67	84
Prosper - Additional Delivery Infrastructure from NTMWD	811.95	85
Conservation, Water Loss Conservation - South Ellis County WSC	809.47	86
Rowlett - Additional Delivery Infrastructure from NTWMD	806.42	87
Irrigation, Fannin - New Well(s) in Trinity Aquifer	804.84	88
DWU - Connect IPL to Bachman	803.02	89

Project Name	FINAL SCORE FOR PROJECT	Rank
Weatherford - Additional Indirect Reuse Phase I	802.51	90
Leonard - Water System Improvements	802.33	91
Watauga - Additional delivery infrastructure North Richland Hills/Fort Worth	798.72	92
Conservation, Water Loss Control - Black Rock WSC	798.67	93
Conservation, Water Loss Control - Blooming Grove	798.67	93
Conservation, Water Loss Control - Everman	798.67	93
Conservation, Water Loss Control - Fairfield	798.67	93
Conservation, Water Loss Control - Honey Grove	798.67	93
Conservation, Water Loss Control - Red River Authority of Texas	798.67	93
Conservation, Water Loss Control - Starr WSC	798.67	93
Conservation, Water Loss Control - Westminster WSC	798.67	93
Conservation, Water Loss Control - East Garrett WSC	797.00	101
DWU - Infrastructure to Treat and Deliver to Customers 2040	794.33	102
Conservation, Water Loss Control - Anna	792.54	103
Weatherford - Expand Lake Benbrook Pump Station	792.53	104
South Freestone County WSC - New Well(s) in Carrizo-Wilcox Aquifer	791.41	105
Denison - Expand Raw Water Delivery from Lake Texoma - Phase I	789.22	106
Runaway Bay - 3 MGD WTP Expansion-1	788.93	107
Kennedale - Connect to Arlington	788.59	108
Cross Timbers WSC - Additional Delivery Infrastructure	788.19	109
Teague - New Wells in Carrizo-Wilcox Aquifer Q-135	788.02	110
Weatherford - 8 MGD WTP Expansion	786.34	111
Waxahachie - Phase I Delivery Infrastructure to Customers in South Ellis County	785.87	112
Conservation, Water Loss Control - Tom Bean	785.08	113
Conservation, Water Loss Control - Southwest Fannin County SUD	784.59	114
TRWD - ASR Pilot	782.84	115
Ladonia - Infrastructure and treatment from water from Ralph Hall (UTRWD)	782.33	116
Athens MWA - New Wells Phase I	781.99	117
Conservation, Water Loss Control - Ladonia	781.29	118
TRWD - Cedar Creek Wetlands Reuse	781.08	119
Athens MWA - New Wells Phase II	780.94	120

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - White Settlement	780.51	121
Conservation, Water Loss Control - South Grayson WSC	780.24	122
Justin - New Well(s) in Trinity Aquifer	780.11	123
Walnut Creek SUD - 6 MGD WTP Expansion	779.81	124
Conservation, Water Loss Control - Henderson County	779.50	125
Conservation, Water Loss Control - Community WSC	779.21	126
Conservation, Water Loss Control - Westlake	778.78	127
Conservation, Water Loss Control - Kaufman County	778.73	128
Conservation, Water Loss Control - Corsicana	778.67	129
Conservation, Water Loss Control - Highland Park	778.67	129
Conservation, Water Loss Control - Whitesboro	778.67	129
Conservation, Water Loss Control - Whitewright	778.67	129
Conservation, Water Loss Control - High Point WSC	778.38	133
Conservation, Water Loss Control - North Collin WSC	778.25	134
Conservation, Water Loss Control - Rockwall County	778.17	135
Conservation, Water Loss Control - Trenton	778.11	136
Conservation, Water Loss Control - Elmo WSC	777.32	137
Conservation, Water Loss Control - Alvord	777.14	138
Conservation, Water Loss Control - Poetry WSC	776.60	139
Conservation, Water Loss Control - Italy	776.31	140
Mabank - 3 MGD WTP Expansion	776.15	141
Lakeside - New Well(s) in Trinity Aquifer	776.04	142
Blackland WSC - Direct Connection to NTWMD	775.67	143
Mansfield - 15 MGD WTP Expansion	774.69	144
Weatherford - Additional Indirect Reuse Phase II	774.32	145
Midlothian - Expand Auger WTP to 24 MGD	771.70	146
County Other, Jack - Infrastructure to Connect to Walnut Creek SUD	771.69	147
Conservation, Water Loss Control - Murphy	771.07	148
Conservation, Water Loss Control - Plano	770.34	149
SEP, Tarrant - Reuse	769.26	150
Conservation, Water Loss Control - Collin County	769.22	151
Krum - New Well(s) in Trinity Aquifer	769.22	152
Argyle WSC - New Well(s) in Trinity Aquifer	768.73	153
Frisco - Direct Reuse	768.28	154

Project Name	FINAL SCORE FOR PROJECT	Rank
Waxahachie - 8 MGD WTP Expansion-Howard Road	766.47	155
Rockett SUD - 10 MGD WTP Expansion at Sokoll-1	764.39	156
Celina - Connect to and Purchase Water from NTMWD	764.11	157
Conservation, Water Loss Control - Leonard	764.11	158
Conservation, Water Loss Control - Chico	762.91	159
Conservation, Water Loss Control - Keller	762.38	160
Conservation, Water Loss Control - White Shed WSC	761.74	161
Conservation, Water Loss Control - Pink Hill WSC	761.29	162
Conservation, Water Loss Control - Aledo	761.00	163
Conservation, Water Loss Control - Sanger	760.59	164
Bolivar WSC - New Well(s) in Trinity Aquifer	759.88	165
Conservation, Water Loss Control - Richland Hills	759.80	166
Conservation, Water Loss Control - Euless	759.59	167
Conservation, Water Loss Control - Luella SUD	759.50	168
Conservation, Water Loss Control - Dalworthington Gardens	759.16	169
Conservation, Water Loss Control - Bridgeport	759.02	170
Conservation, Water Loss Control - Kentucky Town WSC	758.88	171
Conservation, Water Loss Control - Athens	758.67	172
Conservation, Water Loss Control - Bells	758.67	172
Conservation, Water Loss Control - Gainesville	758.67	172
Conservation, Water Loss Control - Lake Kiowa SUD	758.67	172
Conservation, Water Loss Control - Marilee SUD	758.67	172
Conservation, Water Loss Control - Muenster	758.67	172
Conservation, Water Loss Control - Pantego	758.67	172
Conservation, Water Loss Control - University Park	758.67	172
Conservation, Water Loss Control - Waxahachie	758.67	172
Conservation, Water Loss Control - West Cedar Creek MUD	758.62	181
Conservation, Water Loss Control - Crowley	758.62	182
Conservation, Water Loss Control - Avalon Water Supply and Sewer Service	758.54	183
Conservation, Water Loss Control - Roanoke	758.46	184
Conservation, Water Loss Control - College Mound WSC	758.15	185
Conservation, Water Loss Control - Copeville SUD	758.11	186
Conservation, Water Loss Control - Becker Jiba WSC	758.02	187

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Gastonia-Scurry SUD	757.78	188
Conservation, Water Loss Control - Arlington	757.77	189
Conservation, Water Loss Control - Ables Springs WSC	757.62	190
Conservation, Water Loss Control - North Kaufman WSC	757.59	191
Conservation, Water Loss Control - Parker County SUD	757.43	192
Conservation, Water Loss Control - Paloma Creek North	756.77	193
Conservation, Water Loss Control - Paloma Creek South	756.75	194
Conservation, Water Loss Control - Denton County FWSD #7	756.71	195
Waxahachie - 36" Raw water line from IPL to Lake Waxahachie	756.24	196
Waxahachie - 36" Raw Water line from Lake Waxahachie to Howard Rd WTP	756.24	196
Waxahachie - 48" TRWD Parallel Supply Line to Sokoll WTP	756.24	196
Waxahachie - Increase delivery infrastructure to Rockett SUD	756.24	196
Waxahachie - Raw Water Intake Improvements at Lake Bardwell	756.24	196
Conservation, Water Loss Control - Sherman	755.61	201
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2040-2050	754.33	202
Conservation, Water Loss Control - Tarrant County	752.73	203
GTUA - Regional Water System Phase I	752.23	204
Conservation, Water Loss Control - Sunnyvale	751.11	205
Mansfield - 35 MGD WTP Expansion	751.10	206
Conservation, Water Loss Control - Fairview	751.09	207
Grand Prairie - Connect to Arlington	749.36	208
Conservation, Water Loss Control - Ponder	749.35	209
Conservation, Water Loss Control - Fort Worth	748.70	210
County Other, Kaufman - WTP and Connect to TRWD	748.46	211
Waxahachie - 30" Raw water line from IPL to Howard Road WTP	748.24	212
Conservation, Water Loss Control - Richardson	747.71	213
County-Other, Denton - New Well(s) in Woodbine Aquifer	746.38	214
Pilot Point - New Well(s) in Trinity Aquifer	746.00	215
Blue Ridge - Connect to and Purchase Water from NTWMD	743.83	216
County-Other, Denton - New Well(s) in Trinity Aquifer	742.92	217
Dorchester - New Well(s) in Trinity Aquifer	742.33	218

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Kaufman County Development District 1	741.56	219
Pelican Bay - New Well(s) in Trinity Aquifer	740.67	220
Anna - New Well(s) in Woodbine Aquifer	740.48	221
Conservation, Water Loss Control - Rose Hill SUD	738.42	222
Conservation, Water Loss Control - Cedar Hill	737.71	223
TRWD - Additional Capacity to Convey Richland Chambers Reuse (IPL)	737.35	224
Melissa - Additional Delivery Infrastructure from NTMWD	736.97	225
NTMWD Treatment & Treated Water Distribution Improvements 2040-2050	734.33	226
Alvord - Connect to West Wise SUD	733.88	227
Sherman - 10 MGD WTP Expansion (Desal)-1	733.77	228
GTUA - Regional Water System Phase II	733.21	229
Annetta - Connect to Weatherford	732.33	230
Benbrook - 3 MGD WTP Expansion	731.86	231
Denton - 30 MGD WTP Expansion- Ray Roberts-1	731.77	232
Conservation, Water Loss Control - Ovilla	730.93	233
Conservation, Water Loss Control - Boyd	730.47	234
Conservation, Water Loss Control - Hackberry	730.36	235
Verona SUD - New Well(s) in Woodbine Aquifer	728.06	236
Conservation, Water Loss Control - Woodbine WSC	727.38	237
Conservation, Water Loss Control - Lindsay	727.24	238
Conservation, Water Loss Control - Lucas	726.51	239
Conservation, Water Loss Control - Van Alstyne	726.09	240
White Shed WSC - New Well(s) in Woodbine Aquifer	725.34	241
Conservation, Water Loss Control - Kaufman	724.00	242
Kennedale - Additional Delivery Infrastructure from Fort Worth	723.83	243
Conservation, Water Loss Control - Tioga	723.67	244
Conservation, Water Loss Control - Malakoff	723.11	245
County-Other, Parker-WTP and Transmission Facilities to TRWD	722.66	246
Conservation, Water Loss Control - River Oaks	722.14	247
Fort Worth Direct Reuse - Alliance Corridor	721.92	248
UTRWD - Additional Direct Reuse	720.69	249

Project Name	FINAL SCORE FOR PROJECT	Rank
Pantego - Connect to Arlington	720.67	250
Conservation, Water Loss Control - Ferris	720.24	251
Conservation, Water Loss Control - Verona SUD	720.10	252
Conservation, Water Loss Control - R C H WSC	717.95	253
Conservation, Water Loss Control - Bear Creek SUD	717.91	254
Conservation, Water Loss Control - Aubrey	717.53	255
Conservation, Water Loss Control - Josephine	717.27	256
Conservation, Water Loss Control - Bethesda WSC	717.23	257
Conservation, Water Loss Control - Collinsville	717.16	258
Conservation, Water Loss Control - Nevada SUD	717.14	259
Conservation, Water Loss Control - Northlake	717.09	260
Conservation, Water Loss Control - Bois D Arc MUD	716.87	261
Conservation, Water Loss Control - Corinth	716.71	262
Conservation, Water Loss Control - Celina	716.70	263
Cross Timbers WSC - New Well(s) in Trinity Aquifer	716.29	264
Conservation, Water Loss Control - Grand Prairie	713.82	265
Conservation, Water Loss Control - Dallas County	712.19	266
Conservation, Water Loss Control - Rowlett	712.08	267
Conservation, Water Loss Control - Wylie	711.56	268
Gainesville - Expand Direct Reuse	711.22	269
Conservation, Water Loss Control - Allen	711.01	270
Conservation, Water Loss Control - Forney Lake WSC	706.21	271
Conservation, Water Loss Control - Jack County	705.89	272
NTMWD & Irving - Lake Chapman Pump Station Expansion	705.67	273
NTMWD & Irving - Lake Chapman Pump Station Expansion	705.67	273
Conservation, Water Loss Control - Caddo Basin SUD	704.66	275
Conservation, Water Loss Control - Springtown	704.25	276
Conservation, Water Loss Control - Cash SUD	704.20	277
Denison - New 4 MGD Desalination WTP	702.14	278
Pantego - Connect to Fort Worth	700.67	279
Conservation, Water Loss Control - Argyle WSC	699.26	280
Conservation, Water Loss Control - Haslet	699.12	281
Conservation, Water Loss Control - Farmersville	698.12	282
Conservation, Water Loss Control - Mount Zion WSC	697.94	283

Project Name	FINAL SCORE FOR PROJECT	Rank
GTUA - Connection from Sherman to CGMA	697.83	284
Conservation, Water Loss Control - Northwest Grayson County WDIS1	697.40	285
Conservation, Water Loss Control - Cross Timbers WSC	697.19	286
Conservation, Water Loss Control - Culleoka WSC	697.19	287
Conservation, Water Loss Control - Howe	696.17	288
Southlake - Additional Delivery Infrastructure Fort Worth	696.08	289
Conservation, Water Loss Control - Lakeside	696.03	290
Conservation, Water Loss Control - Wise County	695.89	291
Conservation, Water Loss Control - Burleson	695.81	292
Conservation, Water Loss Control - Mountain Peak SUD	694.99	293
Conservation, Water Loss Control - Sachse	694.78	294
Conservation, Water Loss Control - Little Elm	694.06	295
Corsicana - New 8 MGD WTP, Halbert-Richland Chambers	693.95	296
Conservation, Water Loss Control - Newark	693.89	297
Conservation, Water Loss Control - Jacksboro	693.70	298
Conservation, Water Loss Control - Mineral Wells	693.34	299
Conservation, Water Loss Control - Rhome	693.09	300
Conservation, Water Loss Control - Runaway Bay	692.69	301
Conservation, Water Loss Control - Irving	691.98	302
Conservation, Water Loss Control - Talty WSC	689.60	303
Conservation, Water Loss Control - Glenn Heights	688.60	304
Conservation, Water Loss Control - Dallas	688.30	305
Flower Mound - Alliance Direct Reuse	687.91	306
Conservation, Water Loss Control - Royse City	687.43	307
Conservation, Water Loss Control - Cockrell Hill	686.31	308
Conservation, Water Loss Control - Wilmer	686.08	309
Conservation, Water Loss Control - Westover Hills	684.84	310
Van Alstyne - Water System Improvements	684.52	311
Conservation, Water Loss Control - Two Way SUD	683.86	312
Conservation, Water Loss Control - Wortham	683.33	313
Conservation, Water Loss Control - South Freestone County WSC	682.58	314
Lewisville - 6 MGD WTP Expansion-1	681.61	315
Sardis Lone Elm - Connect to TRWD	681.56	316

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Palmer	681.08	317
Conservation, Water Loss Control - Ennis	681.01	318
Conservation, Water Loss Control - Oak Ridge South Gale WSC	680.73	319
Chico - Additional Delivery Infrastructure from West Wise SUD	680.05	320
Conservation, Water Loss Control - Trophy Club	679.27	321
Conservation, Water Loss Control - Lake Worth	679.24	322
Conservation, Water Loss Control - Hurst	679.00	323
Conservation, Water Loss Control - Watauga	678.92	324
Conservation, Water Loss Control - Saginaw	678.91	325
Conservation, Water Loss Control - Forest Hill	678.91	326
Manufacturing, Collin - New Well(s) in Woodbine Aquifer	678.89	327
Conservation, Water Loss Control - Haltom City	678.86	328
Conservation, Water Loss Control - Southlake	678.84	329
Conservation, Water Loss Control - Colleyville	678.81	330
Conservation, Water Loss Control - Rockett SUD	678.77	331
Conservation, Water Loss Control - Westworth Village	678.67	332
Conservation, Water Loss Control - Parker	678.49	333
Conservation, Water Loss Control - North Richland Hills	678.24	334
Conservation, Water Loss Control - Edgecliff Village	678.21	335
Conservation, Water Loss Control - Wylie Northeast SUD	678.04	336
Conservation, Water Loss Control - East Fork SUD	677.95	337
Conservation, Water Loss Control - Willow Park	677.82	338
Conservation, Water Loss Control - Highland Village	677.79	339
Conservation, Water Loss Control - Denton	677.47	340
Conservation, Water Loss Control - Kennedale	677.29	341
Conservation, Water Loss Control - McKinney	677.28	342
Conservation, Water Loss Control - Melissa	677.20	343
Conservation, Water Loss Control - Justin	677.01	344
County Other, Parker - New Well(s) in Trinity Aquifer	676.95	345
Conservation, Water Loss Control - Providence Village WCID	676.81	346
Conservation, Water Loss Control - Denton County FWSD #10	676.74	347
Conservation, Water Loss Control - Lake Cities MUA	676.69	348
Conservation, Water Loss Control - Mustang SUD	676.29	349
Conservation, Water Loss Control - Pottsboro	676.17	350

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Crandall	675.41	351
TRWD - Additional Transmission Pipeline	675.36	352
Conservation, Water Loss Control - Southmayd	675.11	353
Gunter - New Well(s) in Trinity Aquifer	674.73	354
Conservation, Water Loss Control - Benbrook	674.51	355
Conservation, Water Loss Control - Sardis Lone Elm WSC	674.43	356
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2050-2060	674.33	357
Arledge Ridge WSC - New Well(s) in Woodbine Aquifer	674.33	358
Conservation, Water Loss Control - Heath	674.07	359
Conservation, Water Loss Control - Walnut Creek SUD	673.73	360
GTUA - Parallel Collin-Grayson Municipal Alliance Pipeline	673.15	361
Conservation, Water Loss Control - Fate	672.44	362
TRWD - Reuse from TRA Central WWTP	672.04	363
Bells - New Well(s) in Woodbine Aquifer	668.15	364
Conservation, Water Loss Control - Mesquite	668.05	365
Dogwood Estates Water - New Well(s) in Carrizo-Wilcox Aquifer	666.66	366
Conservation, Water Loss Control - Garland	666.63	367
Fort Worth - 35 MGD WTP Expansion-Eagle Mountain	665.47	368
Conservation, Water Loss Control - Princeton	664.35	369
Wilmer - Direct connection to Dallas (36" Transmission Line)	664.34	370
Conservation, Water Loss Control - Blackland WSC	661.44	371
NTMWD - Additional Measure to Access Full Lake Lavon Yield	661.35	372
Corsicana - 8 MGD WTP Expansion, Halbert-Richland Chambers-1	660.90	373
Conservation, Water Loss Control - Kaufman County MUD 11	657.45	374
Conservation, Water Loss Control - Seis Lagos UD	657.31	375
Conservation, Water Loss Control - Red Oak	656.55	376
NTMWD Treatment & Treated Water Distribution Improvements 2050-2060	654.33	377
Eustace - New Well(s) in Carrizo-Wilcox Aquifer	653.45	378
Conservation, Water Loss Control - Denison	653.40	379
Blue Ridge - Increase Delivery Infrastructure from NTWMD-Phase I	652.95	380
Conservation, Water Loss Control - Milligan WSC	650.68	381
Conservation, Water Loss Control - The Colony	650.30	382

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Prosper	649.61	383
Southwest Fannin Co SUD - New Well(s) in Woodbine Aquifer	649.17	384
Forney - Increase Delivery Infrastructure from NTWMD	648.69	385
Conservation, Water Loss Control - Carrollton	647.49	386
Conservation, Water Loss Control - Balch Springs	647.25	387
Conservation, Water Loss Control - Farmers Branch	647.12	388
Pink Hill WSC - New Well(s) in Trinity Aquifer	646.79	389
Pink Hill WSC - New Well(s) in Woodbine Aquifer	646.79	389
Mining, Kaufman County - New Well(s) in Nacatoch Aquifer	645.85	391
Conservation, Water Loss Control - Lewisville	644.86	392
Conservation, Water Loss Control - Azle	643.30	393
Fort Worth Mary's Creek WRF Future Direct Reuse	642.60	394
County Other, Jack - Infrastructure to Connect to Jacksboro	642.42	395
Conservation, Water Loss Control - North Farmersville	642.42	396
Ennis - Indirect Reuse	641.79	397
Conservation, Water Loss Control - Forney	641.27	398
Conservation, Water Loss Control - Combine WSC	640.67	399
Fate - Additional Delivery Infrastructure from NTWMD	640.54	400
Conservation, Water Loss Control - Rockwall	640.46	401
Conservation, Water Loss Control - West Wise SUD	640.20	402
Conservation, Water Loss Control - Frisco	639.64	403
Lewisville - 6 MGD WTP Expansion-2	638.56	404
Conservation, Water Loss Control - East Cedar Creek FWSD	636.91	405
Conservation, Water Loss Control - Markout WSC	634.74	406
Burleson - Additional Infrastructure from Ft Worth	634.45	407
Conservation, Water Loss Control - Mabank	634.09	408
DWU - Main Stem Balancing Reservoir	633.42	409
Marvin Nichols (328) - TRWD, NTMWD, UTRWD	632.09	410
Marvin Nichols (328) - TRWD, NTMWD, UTRWD	632.09	410
Marvin Nichols (328) - TRWD, NTMWD, UTRWD	632.09	410
Conservation, Water Loss Control - Teague	629.91	413
Fort Worth - 50 MGD WTP Expansion-Rolling Hills	628.98	414
Palmer - Additional Delivery Infrastructure from Rockett	627.33	415
Conservation, Water Loss Control - Coppell	627.25	416

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Duncanville	626.92	417
M E N WSC - Additional Delivery Infrastructure from Corsicana (Upsize Lake Halbert Connection)	624.86	418
Conservation, Water Loss Control - Denton County FWSD #1A	624.29	419
Fort Worth - 35 MGD WTP Expansion-West Plant	619.23	420
Conservation, Water Loss Control - DeSoto	616.80	421
Conservation, Water Loss Control - Krum	616.00	422
Conservation, Water Loss Control - Hudson Oaks	615.03	423
Conservation, Water Loss Control - Decatur	614.94	424
Conservation, Water Loss Control - Gunter	614.81	425
Fort Worth - 23 MGD WTP Expansion-West Plant	612.52	426
Hackberry - Additional Delivery Infrastructure from NTMWD	611.95	427
TRWD - Carrizo-Wilcox Groundwater	608.35	428
Ennis - 6 MGD WTP Expansion	608.09	429
Conservation, Water Loss Control - Addison	607.20	430
Conservation, Water Loss Control - Hutchins	607.17	431
Conservation, Water Loss Control - Lancaster	606.93	432
Fort Worth - 30 MGD WTP Expansion-Eagle Mountain	605.27	433
Conservation, Water Loss Control - Blue Ridge	604.85	434
Trenton - New Well(s) in Woodbine Aquifer	604.71	435
Fort Worth Village Creek WRF Future Direct Reuse	603.66	436
Conservation, Water Loss Control - Flower Mound	603.62	437
Conservation, Water Loss Control - Weatherford	603.58	438
Conservation, Water Loss Control - Grapevine	602.20	439
Conservation, Water Loss Control - Kemp	600.05	440
Conservation, Water Loss Control - Parker County	599.48	441
Conservation, Water Loss Control - Seagoville	598.51	442
NTMWD - Expanded Wetland Reuse	597.42	443
Conservation, Water Loss Control - Mansfield	596.12	444
Conservation, Water Loss Control - Terrell	595.74	445
Denison - Expand Raw Water Delivery from Lake Texoma - Phase II	594.63	446
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2060-2070	594.33	447
Conservation, Water Loss Control - Pilot Point	593.88	448

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Midlothian	593.87	449
TRWD - Tehuacana Reservoir	593.29	450
Denton - 20 MGD WTP Expansion- Ray Roberts	592.54	451
Fairfield - New WTP and transmission system from TRWD	591.60	452
NTMWD - Additional Lake Texoma Blend Phase I	589.84	453
West Wise SUD - 1.5 MGD WTP Expansion	576.13	454
NTMWD Treatment & Treated Water Distribution Improvements 2060-2070	574.33	455
NTWMD - FANNIN COUNTY WATER SUPPLY PROJECT	570.61	456
Fort Worth - 50 MGD WTP Expansion-General 1	562.54	457
Waxahachie - Dredge lake Waxahachie	562.24	458
Weatherford - 14 MGD WTP Expansion	561.91	459
Midlothian - Expand Auger WTP to 32 MGD	560.64	460
Lewisville - 6.5 MGD WTP Expansion	552.66	461
Sherman - 10 MGD WTP Expansion (Desal)-2	548.85	462
Waxahachie - Phase II Delivery Infrastructure to Customers in South Ellis County	544.80	463
Gainesville - Infrastructure to Deliver to Customers	543.35	464
County-Other, Freestone - New Delivery and Treatment Facilities from TRWD	532.67	465
Glenn Heights Additional Delivery Infrastructure from DWU	532.15	466
Ferris - Additional Delivery Infrastructure from Rockett	531.96	467
Gainesville - 5 MGD WTP Expansion 1	520.71	468
Denton - 30 MGD WTP Expansion- Ray Roberts-2	518.98	469
NTMWD - Additional Lake Texoma Blend Phase II	518.02	470
Bridgeport - Expand Capacity of Lake Intake and Pump Station	511.06	471
Black Rock WSC - New Well(s) in Trinity Aquifer	509.85	472
DWU - Neches River Run-of-the-River Diversions	498.15	473
Mansfield - 20 MGD WTP Expansion	486.00	474
NTMWD - Additional Lavon Watershed Reuse	480.97	475
Fort Worth - 50 MGD WTP Expansion-General 2	480.09	476
Weatherford - 18 MGD WTP Expansion	474.86	477
County-Other, Freestone - Additional Delivery Infrastructure from Corsicana	473.01	478
Rockett SUD - 10 MGD WTP Expansion at Sokoll-2	471.98	479

Project Name	FINAL SCORE FOR PROJECT	Rank
Ovilla - Additional Delivery Infrastructure from DWU	465.81	480
Mabank - 5 MGD WTP Expansion	462.66	481
Pelican Bay - Connect to Azle	461.30	482
Blue Ridge - Increase Delivery Infrastructure from NTWMD-Phase II	461.27	483
Desert WSC - New Well(s) in Woodbine Aquifer	460.67	484
Fort Worth - 50 MGD WTP Expansion-General 3	453.12	485
Ennis - 8 MGD WTP Expansion	450.63	486
Navarro Mills WSC - New Well in Woodbine Aquifer Q-168	450.35	487
Corsicana - 8 MGD WTP Expansion, Halbert-Richland Chambers-2	447.46	488
Denison - 10 MGD Desalination WTP Expansion	446.19	489
Walnut Creek SUD - New 7 MGD WTP-Eagle Mountain	445.97	490
Denton - 25 MGD WTP Expansion	440.62	491
Bridgeport - 2 MGD WTP Expansion	431.06	492
DWU - Lake Columbia	424.78	493
Aledo - Parallel Pipeline & Pump Station Expansion from Fort Worth	420.27	494
DWU - Parallel IPL	412.78	495
Wright Patman Reallocation NTMWD, TRWD, and UTRWD	405.59	496
Wright Patman Reallocation NTMWD, TRWD, and UTRWD	405.59	496
Wright Patman Reallocation NTMWD, TRWD, and UTRWD	405.59	496
Fort Worth - 50 MGD WTP Expansion-General 4	394.77	499
Sherman - 10 MGD WTP Expansion (Desal)-3	384.96	500
Waxahachie - 12 MGD WTP Expansion-Howard Road	380.52	501
Ennis - 16 MGD WTP Expansion	375.68	502
Runaway Bay - 3 MGD WTP Expansion-2	363.21	503
Sherman - 20 MGD WTP Expansion (Desal)	362.74	504
Gainesville - 5 MGD WTP Expansion 2	356.96	505
Denton - 20 MGD WTP Expansion	333.48	506
NTMWD - Oklahoma Water	330.25	507
Rockett SUD - 4 MGD WTP Expansion at Sokoll	327.33	508
Pleasant Grove WSC - New Well(s) in Carrizo-Wilcox Aquifer	313.45	509
College Mound - Additional Delivery Infrastructure from Terrell	280.69	510
Bridgeport - 1 MGD WTP Expansion	246.49	511

Table 2 Region C Project (without Conservation) Rankings

Project Name	FINAL SCORE FOR PROJECT	Rank
DWU - Infrastructure to Treat and Deliver to Customers 2020	950.33	1
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2020-2030	942.33	2
NTMWD Treatment & Treated Water Distribution Improvements 2020-2030	922.33	3
Newark - Connect to Rhome	917.98	4
Midlothian - Expand Tayman WTP to 20 MGD	914.33	5
Terrell - Ground Storage Tank and Pump Station at NTWMD Delivery Point	913.91	6
Terrell - Infrastructure Improvements to wholesale customer	913.91	6
Runaway Bay - Increase Capacity of Lake Intake	906.71	8
B H P WSC - Direct Connection to NTWMD	901.84	9
Manufacturing, Wise County - New Well(s) in Trinity Aquifer	894.79	10
Irving - TRA Central Reuse	892.00	11
Livestock, Henderson - New Well(s) in Carrizo-Wilcox Aquifer	882.33	12
Livestock, Tarrant - New Well(s) in Trinity Aquifer	882.33	12
Mining, Grayson County - New Well(s) in Trinity Aquifer	882.33	12
NTMWD - Bois d'Arc Lake	881.56	15
DWU - Infrastructure to Treat and Deliver to Customers 2030	874.33	16
Willow Park - Connect to Fort Worth	872.61	17
Mining, Parker County - New Well(s) in Trinity Aquifer	862.33	18
East Fork SUD - Additional Delivery Infrastructure from NTMWD	862.09	19
Cash WSC - Additional Delivery Infrastructure from NTMWD	861.34	20
Grand Prairie - Additional Delivery Infrastructure from DWU	858.91	21
UTRWD - Lake Ralph Hall and Reuse	856.99	46
Parker - Additional Delivery Infrastructure from NTWMD	856.67	47
Northwest Grayson County WCID 1 - New Well(s) in Trinity Aquifer	855.95	48
Wise County WSD - 9 MGD WTP Expansion	855.14	49
Rockwall - Additional Delivery Infrastructure from NTWMD	854.73	50
Springtown - Infrastructure Improvements- Surface Water Treatment Plant & Supply Project	853.38	51
Azle - 4 MGD WTP Expansion	849.46	53

Project Name	FINAL SCORE FOR PROJECT	Rank
Crowley - Additional Delivery Infrastructure Fort Worth	846.15	54
Athens MWA - WTP Infrastructure Improvements	845.74	55
Mabank - Additional Delivery Infrastructure from TRWD (Cedar Creek Reservoir)	840.72	56
Watauga & N Richland Hills - Increase Delivery Infrastructure from Fort Worth	837.58	72
Parker County SUD - 3.5 MGD WTP Desal Expansion-BRA Supply	836.31	73
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2030-2040	834.33	74
Wilmer - Increase Capacity of Connection with Lancaster	834.04	75
Bois d'Arc MUD - Connect to NTWMD	830.38	76
Midlothian - Expand Auger WTP to 16 MGD	830.12	77
Wylie Northeast SUD - Additional Delivery Infrastructure from NTWMD	830.06	78
Sunnyvale - Additional Delivery Infrastructure from NTMWD	823.94	79
Muenster - Develop Lake Muenster Supply	822.33	80
NTMWD Treatment & Treated Water Distribution Improvements 2030-2040	814.33	82
Hudson Oaks - Direct Connection to Fort Worth	814.27	83
Rice WSC - Additional Delivery Infrastructure from Corsicana	812.67	84
Prosper - Additional Delivery Infrastructure from NTMWD	811.95	85
Rowlett - Additional Delivery Infrastructure from NTWMD	806.42	87
Irrigation, Fannin - New Well(s) in Trinity Aquifer	804.84	88
DWU - Connect IPL to Bachman	803.02	89
Weatherford - Additional Indirect Reuse Phase I	802.51	90
Leonard - Water System Improvements	802.33	91
Watauga - Additional delivery infrastructure North Richland Hills/Fort Worth	798.72	92
DWU - Infrastructure to Treat and Deliver to Customers 2040	794.33	102
Weatherford - Expand Lake Benbrook Pump Station	792.53	104
South Freestone County WSC - New Well(s) in Carrizo-Wilcox Aquifer	791.41	105
Denison - Expand Raw Water Delivery from Lake Texoma - Phase I	789.22	106
Runaway Bay - 3 MGD WTP Expansion-1	788.93	107
Kennedale - Connect to Arlington	788.59	108
Cross Timbers WSC - Additional Delivery Infrastructure	788.19	109

Project Name	FINAL SCORE FOR PROJECT	Rank
Teague - New Wells in Carrizo-Wilcox Aquifer Q-135	788.02	110
Weatherford - 8 MGD WTP Expansion	786.34	111
Waxahachie - Phase I Delivery Infrastructure to Customers in South Ellis County	785.87	112
TRWD - ASR Pilot	782.84	115
Ladonia - Infrastructure and treatment from water from Ralph Hall (UTRWD)	782.33	116
Athens MWA - New Wells Phase I	781.99	117
TRWD - Cedar Creek Wetlands Reuse	781.08	119
Athens MWA - New Wells Phase II	780.94	120
Justin - New Well(s) in Trinity Aquifer	780.11	123
Walnut Creek SUD - 6 MGD WTP Expansion	779.81	124
Mabank - 3 MGD WTP Expansion	776.15	141
Lakeside - New Well(s) in Trinity Aquifer	776.04	142
Blackland WSC - Direct Connection to NTWMD	775.67	143
Mansfield - 15 MGD WTP Expansion	774.69	144
Weatherford - Additional Indirect Reuse Phase II	774.32	145
Midlothian - Expand Auger WTP to 24 MGD	771.70	146
County Other, Jack - Infrastructure to Connect to Walnut Creek SUD	771.69	147
SEP, Tarrant - Reuse	769.26	150
Krum - New Well(s) in Trinity Aquifer	769.22	152
Argyle WSC - New Well(s) in Trinity Aquifer	768.73	153
Frisco - Direct Reuse	768.28	154
Waxahachie - 8 MGD WTP Expansion-Howard Road	766.47	155
Rockett SUD - 10 MGD WTP Expansion at Sokoll-1	764.39	156
Celina - Connect to and Purchase Water from NTMWD	764.11	157
Bolivar WSC - New Well(s) in Trinity Aquifer	759.88	165
Waxahachie - 36" Raw water line from IPL to Lake Waxahachie	756.24	196
Waxahachie - 36" Raw Water line from Lake Waxahachie to Howard Rd WTP	756.24	196
Waxahachie - 48" TRWD Parallel Supply Line to Sokoll WTP	756.24	196
Waxahachie - Increase delivery infrastructure to Rockett SUD	756.24	196
Waxahachie - Raw Water Intake Improvements at Lake Bardwell	756.24	196

Project Name	FINAL SCORE FOR PROJECT	Rank
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2040-2050	754.33	202
GTUA - Regional Water System Phase I	752.23	204
Mansfield - 35 MGD WTP Expansion	751.10	206
Grand Prairie - Connect to Arlington	749.36	208
County Other, Kaufman - WTP and Connect to TRWD	748.46	211
Waxahachie - 30" Raw water line from IPL to Howard Road WTP	748.24	212
County-Other, Denton - New Well(s) in Woodbine Aquifer	746.38	214
Pilot Point - New Well(s) in Trinity Aquifer	746.00	215
Blue Ridge - Connect to and Purchase Water from NTWMD	743.83	216
County-Other, Denton - New Well(s) in Trinity Aquifer	742.92	217
Dorchester - New Well(s) in Trinity Aquifer	742.33	218
Pelican Bay - New Well(s) in Trinity Aquifer	740.67	220
Anna - New Well(s) in Woodbine Aquifer	740.48	221
TRWD - Additional Capacity to Convey Richland Chambers Reuse (IPL)	737.35	224
Melissa - Additional Delivery Infrastructure from NTMWD	736.97	225
NTMWD Treatment & Treated Water Distribution Improvements 2040-2050	734.33	226
Alvord - Connect to West Wise SUD	733.88	227
Sherman - 10 MGD WTP Expansion (Desal)-1	733.77	228
GTUA - Regional Water System Phase II	733.21	229
Annetta - Connect to Weatherford	732.33	230
Benbrook - 3 MGD WTP Expansion	731.86	231
Denton - 30 MGD WTP Expansion- Ray Roberts-1	731.77	232
Verona SUD - New Well(s) in Woodbine Aquifer	728.06	236
White Shed WSC - New Well(s) in Woodbine Aquifer	725.34	241
Kennedale - Additional Delivery Infrastructure from Fort Worth	723.83	243
County-Other, Parker-WTP and Transmission Facilities to TRWD	722.66	246
Fort Worth Direct Reuse - Alliance Corridor	721.92	248
UTRWD - Additional Direct Reuse	720.69	249
Pantego - Connect to Arlington	720.67	250
Cross Timbers WSC - New Well(s) in Trinity Aquifer	716.29	264
Gainesville - Expand Direct Reuse	711.22	269
NTMWD & Irving - Lake Chapman Pump Station Expansion	705.67	273

Project Name	FINAL SCORE FOR PROJECT	Rank
NTMWD & Irving - Lake Chapman Pump Station Expansion	705.67	273
Denison - New 4 MGD Desalination WTP	702.14	278
Pantego - Connect to Fort Worth	700.67	279
GTUA - Connection from Sherman to CGMA	697.83	284
Southlake - Additional Delivery Infrastructure Fort Worth	696.08	289
Corsicana - New 8 MGD WTP, Halbert-Richland Chambers	693.95	296
Flower Mound - Alliance Direct Reuse	687.91	306
Van Alstyne - Water System Improvements	684.52	311
Lewisville - 6 MGD WTP Expansion-1	681.61	315
Sardis Lone Elm - Connect to TRWD	681.56	316
Chico - Additional Delivery Infrastructure from West Wise SUD	680.05	320
Manufacturing, Collin - New Well(s) in Woodbine Aquifer	678.89	327
County Other, Parker - New Well(s) in Trinity Aquifer	676.95	345
TRWD - Additional Transmission Pipeline	675.36	352
Gunter - New Well(s) in Trinity Aquifer	674.73	354
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2050-2060	674.33	357
Arledge Ridge WSC - New Well(s) in Woodbine Aquifer	674.33	358
GTUA - Parallel Collin-Grayson Municipal Alliance Pipeline	673.15	361
TRWD - Reuse from TRA Central WWTP	672.04	363
Bells - New Well(s) in Woodbine Aquifer	668.15	364
Dogwood Estates Water - New Well(s) in Carrizo-Wilcox Aquifer	666.66	366
Fort Worth - 35 MGD WTP Expansion-Eagle Mountain	665.47	368
Wilmer - Direct connection to Dallas (36" Transmission Line)	664.34	370
NTMWD - Additional Measure to Access Full Lake Lavon Yield	661.35	372
Corsicana - 8 MGD WTP Expansion, Halbert-Richland Chambers-1	660.90	373
NTMWD Treatment & Treated Water Distribution Improvements 2050-2060	654.33	377
Eustace - New Well(s) in Carrizo-Wilcox Aquifer	653.45	378
Blue Ridge - Increase Delivery Infrastructure from NTWMD-Phase I	652.95	380
Southwest Fannin Co SUD - New Well(s) in Woodbine Aquifer	649.17	384
Forney - Increase Delivery Infrastructure from NTWMD	648.69	385
Pink Hill WSC - New Well(s) in Trinity Aquifer	646.79	389
Pink Hill WSC - New Well(s) in Woodbine Aquifer	646.79	389

Project Name	FINAL SCORE FOR PROJECT	Rank
Mining, Kaufman County - New Well(s) in Nacatoch Aquifer	645.85	391
Fort Worth Mary's Creek WRF Future Direct Reuse	642.60	394
County Other, Jack - Infrastructure to Connect to Jacksboro	642.42	395
Ennis - Indirect Reuse	641.79	397
Fate - Additional Delivery Infrastructure from NTWMD	640.54	400
Lewisville - 6 MGD WTP Expansion-2	638.56	404
Burleson - Additional Infrastructure from Ft Worth	634.45	407
DWU - Main Stem Balancing Reservoir	633.42	409
Marvin Nichols (328) - TRWD, NTMWD, UTRWD	632.09	410
Marvin Nichols (328) - TRWD, NTMWD, UTRWD	632.09	410
Marvin Nichols (328) - TRWD, NTMWD, UTRWD	632.09	410
Fort Worth - 50 MGD WTP Expansion-Rolling Hills	628.98	414
Palmer - Additional Delivery Infrastructure from Rockett	627.33	415
M E N WSC - Additional Delivery Infrastructure from Corsicana (Upsize Lake Halbert Connection)	624.86	418
Fort Worth - 35 MGD WTP Expansion-West Plant	619.23	420
Fort Worth - 23 MGD WTP Expansion-West Plant	612.52	426
Hackberry - Additional Delivery Infrastructure from NTMWD	611.95	427
TRWD - Carrizo-Wilcox Groundwater	608.35	428
Ennis - 6 MGD WTP Expansion	608.09	429
Fort Worth - 30 MGD WTP Expansion-Eagle Mountain	605.27	433
Trenton - New Well(s) in Woodbine Aquifer	604.71	435
Fort Worth Village Creek WRF Future Direct Reuse	603.66	436
NTMWD - Expanded Wetland Reuse	597.42	443
Denison - Expand Raw Water Delivery from Lake Texoma - Phase II	594.63	446
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2060-2070	594.33	447
TRWD - Tehuacana Reservoir	593.29	450
Denton - 20 MGD WTP Expansion- Ray Roberts	592.54	451
Fairfield - New WTP and transmission system from TRWD	591.60	452
NTMWD - Additional Lake Texoma Blend Phase I	589.84	453
West Wise SUD - 1.5 MGD WTP Expansion	576.13	454
NTMWD Treatment & Treated Water Distribution Improvements 2060-2070	574.33	455

Project Name	FINAL SCORE FOR PROJECT	Rank
NTWMD - FANNIN COUNTY WATER SUPPLY PROJECT	570.61	456
Fort Worth - 50 MGD WTP Expansion-General 1	562.54	457
Waxahachie - Dredge lake Waxahachie	562.24	458
Weatherford - 14 MGD WTP Expansion	561.91	459
Midlothian - Expand Auger WTP to 32 MGD	560.64	460
Lewisville - 6.5 MGD WTP Expansion	552.66	461
Sherman - 10 MGD WTP Expansion (Desal)-2	548.85	462
Waxahachie - Phase II Delivery Infrastructure to Customers in South Ellis County	544.80	463
Gainesville - Infrastructure to Deliver to Customers	543.35	464
County-Other, Freestone - New Delivery and Treatment Facilities from TRWD	532.67	465
Glenn Heights Additional Delivery Infrastructure from DWU	532.15	466
Ferris - Additional Delivery Infrastructure from Rockett	531.96	467
Gainesville - 5 MGD WTP Expansion 1	520.71	468
Denton - 30 MGD WTP Expansion- Ray Roberts-2	518.98	469
NTMWD - Additional Lake Texoma Blend Phase II	518.02	470
Bridgeport - Expand Capacity of Lake Intake and Pump Station	511.06	471
Black Rock WSC - New Well(s) in Trinity Aquifer	509.85	472
DWU - Neches River Run-of-the-River Diversions	498.15	473
Mansfield - 20 MGD WTP Expansion	486.00	474
NTMWD - Additional Lavon Watershed Reuse	480.97	475
Fort Worth - 50 MGD WTP Expansion-General 2	480.09	476
Weatherford - 18 MGD WTP Expansion	474.86	477
County-Other, Freestone - Additional Delivery Infrastructure from Corsicana	473.01	478
Rockett SUD - 10 MGD WTP Expansion at Sokoll-2	471.98	479
Ovilla - Additional Delivery Infrastructure from DWU	465.81	480
Mabank - 5 MGD WTP Expansion	462.66	481
Pelican Bay - Connect to Azle	461.30	482
Blue Ridge - Increase Delivery Infrastructure from NTWMD-Phase II	461.27	483
Desert WSC - New Well(s) in Woodbine Aquifer	460.67	484
Fort Worth - 50 MGD WTP Expansion-General 3	453.12	485
Ennis - 8 MGD WTP Expansion	450.63	486

Project Name	FINAL SCORE FOR PROJECT	Rank
Navarro Mills WSC - New Well in Woodbine Aquifer Q-168	450.35	487
Corsicana - 8 MGD WTP Expansion, Halbert-Richland Chambers-2	447.46	488
Denison - 10 MGD Desalination WTP Expansion	446.19	489
Walnut Creek SUD - New 7 MGD WTP-Eagle Mountain	445.97	490
Denton - 25 MGD WTP Expansion	440.62	491
Bridgeport - 2 MGD WTP Expansion	431.06	492
DWU - Lake Columbia	424.78	493
Aledo - Parallel Pipeline & Pump Station Expansion from Fort Worth	420.27	494
DWU - Parallel IPL	412.78	495
Wright Patman Reallocation NTMWD, TRWD, and UTRWD	405.59	496
Wright Patman Reallocation NTMWD, TRWD, and UTRWD	405.59	496
Wright Patman Reallocation NTMWD, TRWD, and UTRWD	405.59	496
Fort Worth - 50 MGD WTP Expansion-General 4	394.77	499
Sherman - 10 MGD WTP Expansion (Desal)-3	384.96	500
Waxahachie - 12 MGD WTP Expansion-Howard Road	380.52	501
Ennis - 16 MGD WTP Expansion	375.68	502
Runaway Bay - 3 MGD WTP Expansion-2	363.21	503
Sherman - 20 MGD WTP Expansion (Desal)	362.74	504
Gainesville - 5 MGD WTP Expansion 2	356.96	505
Denton - 20 MGD WTP Expansion	333.48	506
NTMWD - Oklahoma Water	330.25	507
Rockett SUD - 4 MGD WTP Expansion at Sokoll	327.33	508
Pleasant Grove WSC - New Well(s) in Carrizo-Wilcox Aquifer	313.45	509
College Mound - Additional Delivery Infrastructure from Terrell	280.69	510
Bridgeport - 1 MGD WTP Expansion	246.49	511
Bridgeport - 1 MGD WTP Expansion	246.49	513

Agenda Item IV-C

TO: Region C Prioritization Subcommittee

FROM: Simone Kiel, Abbie Gardner, Kristal Williams

CC: Project File – TR116409

SUBJECT: Methodology for 2021 RCWP Project Prioritization

DATE: June 2020

1.00 INTRODUCTION

As required by regulation and rule, all recommended regional water planning projects with a capital cost must be prioritized based on uniform standards. To assist with this effort, the TWDB provided a standard scoring template. This memorandum outlines the methodology applied to complete the TWDB Project Prioritization Template for 2021 RCWP projects. This methodology incorporates guidance from the TWDB. The uniform standards for project scoring were developed by a stakeholders committee consisting of the 16 RWPG chairs. Each uniform standard has a maximum score as developed by the stakeholder committee. Additionally, each criterion has a weighting factor as developed by the stakeholder committee and are applied automatically on each criterion's final score. These scoring standards and weighting factors cannot be changed.

TWDB's standard scoring template (Excel spreadsheet) was used for the prioritization process. TWDB provided the template pre-populated with projects from DB22 to Region C on March 24, 2020.

2.00 STRATEGY GROUPING (ROLLUP)

Some projects that were sponsored by multiple entities were grouped to give a cohesive score to the overall project. These projects were scored based on the total cost, total need, and total supply volume for all participating entities. These projects included the:

- Marvin Nichols (328 ft) Strategy for NTMWD, TRWD, and UTRWD,

- Wright Patman Reallocation for NTMWD, TRWD, and UTRWD
- Lake Chapman Pump Station Expansion for NTMWD and Irving
- Integrated Pipeline (IPL) for TRWD and DWU

2.01 CRITERIA 1 - DECADE OF NEED FOR PROJECT (40% TOTAL WEIGHT)

Uniform Standard 1A - What is the decade the RWP shows the project comes online?

Weight: 20%

Scoring of this standard is as follows:

2070 = 0 points; 2060 = 2; 2050 = 4; 2040 = 6; 2030 = 8; 2020 = 10.

The following methodology was applied to determine project online decade:

- All projects were scored based on the first decade with a supply allocation/strategy volume.

Uniform Standard 1B - In what decade is initial funding needed? Weight: 20%

Scoring of this standard is as follows:

2070 = 0 points; 2060 = 2; 2050 = 4; 2040 = 6; 2030 = 8; 2020 = 10.

The following methodology was applied to determine project initial funding decade:

- If an infrastructure financing report (IFR) survey was received indicating the date of initial funding needed, this date was used. If the date provided was a non-decadal value, the preceding decade was used for scoring purposes (i.e. if response was funding needed in 2033, 2030 was selected and was given a score of 8).
- If an IFR survey was not received, the following assumptions were used:
 - For projects with a capital cost of more than \$100 million, the funding is assumed to be needed two decades before the project comes online (with the maximum score being 10).

- For projects with a capital cost of \$100 million or less, the funding is assumed to be needed one decade before the project comes online (with the maximum score being 10).

2.02 CRITERIA 2 - PROJECT FEASIBILITY (10% TOTAL WEIGHT)

Uniform Standard 2A - What supporting data is available to show that the quantity of water needed is available? Weight: 2%

The TWDB scoring of this standard is as follows:

- Models suggest insufficient quantities of water or no modeling performed = 0 points;
- Models suggest sufficient quantity of water = 3;
- Field tests, measurements, or project specific studies confirm sufficient quantities of water = 5

In an effort to further define and document the specific data for each project, Region C has developed a more detailed/expanded scoring guide as follows:

- Score of 0 for:
 - No Modeling performed
 - Assumed no Modeling
- Score of 3 for:
 - Conservation analyzed in 2021 Plan
 - GAM modeling for groundwater supply
 - WAM modeling for surface water supply
 - Reuse – relying on projected future effluent

- Score of 5 for:
 - Detailed study
 - Pilot tests for wells
 - Reuse – relying on existing effluent flows

Each project has been individually assessed on this scoring criteria.

Uniform Standard 2B - If necessary, does the sponsor hold necessary legal rights, water rights, and/or contracts to use the water that this project would require? Weight: 2%

The TWDB scoring of this standard is as follows:

- Legal rights, water rights and/or contract application not submitted = 0 points;
- application submitted = 2;
- application is administratively complete = 3;
- legal rights, water rights and/or contracts obtained or not needed = 5

In an effort to further define and document the specific data for each project, Region C has developed a more detailed/expanded scoring guide as follows:

- Score of 5 for:
 - Conservation - no water right needed
 - Contract in place
 - Existing water supplies
 - Water treatment plant - no right needed

If information was known about a strategy, it was utilized. In instances where specific information was not known, it was assumed that:

- If a strategy came online in 2030 or later, that permits had not yet been obtained.
- If a groundwater strategy came online in 2020 and was in a County with no GCD, that no other permits were needed.
- If an entity was an existing customer of a wholesale provider and contract amount was not known, it was assumed that they did not need an increase in contract to obtain additional water supply.
- If an entity was considered a future customer of a wholesale provider, it was assumed that a contract was not in place.

Each project has been individually assessed on this scoring criteria.

Uniform Standard 2C - What level of engineering and/or planning has been accomplished for this project? Weight: 4%

The TWDB scoring of this standard is as follows:

- 1 = Outlined in RWP
- 2 = Feasibility study initiated
- 3 = Feasibility study completed
- 4= Conceptual design initiated
- 5 = Conceptual design completed
- 6 = Preliminary engineering report initiated
- 7 = Preliminary engineering report completed
- 8 = Preliminary design initiated
- 9 = Preliminary design completed
- 10 = Final design completed

This criterion was answered using available data and judgment as available. Potential sources of information include the 2021 RWP and support material, updated stakeholder data, or WUG/WWP survey data. In many cases, reliable information is not readily available even through the sources named above. For that reason, the following approach was considered:

- If specific information was available, score as appropriate based on specific information
- For Projects without specific information, the following assumptions were applied:
 - Projects coming online in 2020 were scored as 8 (preliminary design initiated)
 - Projects coming online in 2030 were scored as 3 (feasibility studies completed)
 - Projects coming online in 2040-70 were scored a 1 (outlined in Regional Water Plan)

Each project has been individually assessed on this scoring criteria.

Uniform Standard 2D - Has the project sponsor requested in writing that the project be included in the Regional Water Plan? Weight: 2%

Several surveys were distributed throughout the planning process concerning water management strategies. If an entity responded to any one of these surveys, the project received a “yes” and was scored 5 points. All conservation projects received a “yes” and were scored 5 points due the required Water Conservation and Drought Contingency Plans for entities. Freese and Nichols staff met directly with major wholesale water providers (WWPs). If FNI had an in-person meeting with the entity concerning the Region C plan, the meeting notes were considered to be a request in writing and were scored with as “yes.” Further, if an entity responded in writing during any previous planning cycle, the project received a “yes” and was

scored 5 points. If the entity never responded to a survey indicating their agreement with the strategies, the project received a “no” and was given 0 points.

2.03 CRITERIA 3 – PROJECT VIABILITY (25% TOTAL WEIGHT)

Uniform Standard 3A - In the decade the project supply comes online, what is the % of the WUG's (or WUGs') needs satisfied by this project? Weight: 8.33%

Addressing this criterion requires a more complex dataset than that provided in the TWDB Prioritization Template, which only includes projects. Projects in the database by definition do not directly have a supply volume. Only strategies have a supply volume and then projects are the infrastructure necessary to develop a strategy. However, a project can be related to multiple strategies and the total volume of the multiple strategies can exceed the capacity of the given project. In order to address this, an alternate table of supply volumes was developed that is referenced for each project. The following logic was applied in scoring this criterion:

- Entities with no needs received a score of 100% (rather than a calculated “error” of supply divided by 0 need). This applied mostly to conservation projects.
- If the project served only one WUG, then the score was auto-calculated based on the supply and need in the first decade online for that one WUG.
- If the project applied to multiple WUGs/WWPs, the sum of needs for those WUGs/WWPs was calculated. The score was then auto-calculated based on the supply and need in the first decade online.

Uniform Standard 3B - In the final decade of the planning period, what is the % of the WUG's (or WUGs') needs satisfied by this project? Weight: 8.33%

This criterion was addressed in the same manner as Uniform Standard 3A, using the last online year of needs and supplies.

Uniform Standard 3C - Is this project the only economically feasible source of new supply for the WUG, other than conservation? Weight: 4.17%

All conservation strategies were given 0 points. The number of non-conservation projects were then counted for each sponsor entity and when there was more than one project, it was given a “no” and scored zero points. If the project was the only non-conservation project, it was considered the only economically feasible source of new supply and given a “yes” with a score of 5 points.

Uniform Standard 3D - Does this project serve multiple WUGs? Weight: 4.17%

The TWDB scoring of this standard is 0 for “No” and 5 for “Yes”. This question was answered individually for each project. In general, all conservation was assumed to apply to only the entity listed as the sponsor. In the same way, most projects sponsored by non-municipal and County Other WUGs were assumed to serve only the WUG listed as the sponsor. In general, projects sponsored by WWP were assumed to serve multiple WUGS (all WWP customers) unless specific information dictated otherwise. In all other cases, this standard was answered individually based on project knowledge.

2.04 CRITERIA 4 - PROJECT SUSTAINABILITY (15% TOTAL WEIGHT)

Uniform Standard 4A - Over what period of time is this project expected to provide water (regardless of the planning period)? Weight: 10%

The TWDB scoring of this standard is 5 for “Less than or equal to 20 years” and 10 for “More than 20 years”. Most of the projects in the regional plan are anticipated to have lifespans of many decades, and therefore the majority of entries in the prioritization template will achieve the maximum points on this criterion. The exceptions to this are:

Conservation, Water Loss Control was considered to provide savings from pipe replacement for 20 years. After that, it was assumed that entity would have to reinvest to continue to recognize the water savings. For this reason, these projects were scored with a 5.

Uniform Standard 4B - Does the volume of water supplied by the project change over the regional water planning period? Weight: 5%

The TWDB scoring of this standard is 0 for “Decreases”, 3 for “No change,” and 5 for “Increases”. Projects with a change in supply volume of less than 5 acre-feet were assumed to

have “no change” and were scored a 3. Otherwise, projects were scored based on if the supply volume went up or down over the planning period.

2.05 CRITERIA 5 - PROJECT COST EFFECTIVENESS (10% TOTAL WEIGHT)

Uniform Standard 5A - What is the expected unit cost of water supplied by this project compared to the median unit cost of all other recommended strategies in the region's current RWP? Weight: 10%

The TWDB scoring of this standard is as follows:

- 0 = 200% greater than median
- 1 = 150-199% greater than median
- 2 = 101-149% greater than median
- 3 = 100% of median
- 4 = 51-99% of median
- 5 = 0-50% of median

For each project, a unit cost for the first online decade was calculated using the annual cost including debt service and the supply volume. Once the unit costs were calculated for each project, the costs were compiled and a median was developed. The first decade unit cost was then compared to the median first decade unit cost. Each project was scored according to its relation to the median unit cost per TWDB scoring guidelines.

3.00 RANKINGS

Projects were scored utilizing the standard scoring template provided by TWDB and the additional methodologies outlined in this memorandum. Upon completion of project scoring, projects were ranked from highest to lowest uniform standard score. This provides an organized prioritization of Region C projects, which can then be incorporated into state prioritization used for State Water Implementation Fund for Texas (SWIFT) funding decisions.

Among the highest Region C prioritized projects are water infrastructure improvements to deliver water and conservation.

Table 1 Region C Project (with Conservation) Rankings

Project Name	FINAL SCORE FOR PROJECT	Rank
DWU - Infrastructure to Treat and Deliver to Customers 2020	950.33	1
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2020-2030	942.33	2
NTMWD Treatment & Treated Water Distribution Improvements 2020-2030	922.33	3
Newark - Connect to Rhome	917.98	4
Midlothian - Expand Tayman WTP to 20 MGD	914.33	5
Terrell - Ground Storage Tank and Pump Station at NTWMD Delivery Point	913.91	6
Terrell - Infrastructure Improvements to wholesale customer	913.91	6
Runaway Bay - Increase Capacity of Lake Intake	906.71	8
B H P WSC - Direct Connection to NTWMD	901.84	9
Manufacturing, Wise County - New Well(s) in Trinity Aquifer	894.79	10
Irving - TRA Central Reuse	892.00	11
Livestock, Henderson - New Well(s) in Carrizo-Wilcox Aquifer	882.33	12
Livestock, Tarrant - New Well(s) in Trinity Aquifer	882.33	12
Mining, Grayson County - New Well(s) in Trinity Aquifer	882.33	12
NTMWD - Bois d'Arc Lake	881.56	15
DWU - Infrastructure to Treat and Deliver to Customers 2030	874.33	16
Willow Park - Connect to Fort Worth	872.61	17
Mining, Parker County - New Well(s) in Trinity Aquifer	862.33	18
East Fork SUD - Additional Delivery Infrastructure from NTMWD	862.09	19
Cash WSC - Additional Delivery Infrastructure from NTMWD	861.34	20
Grand Prairie - Additional Delivery Infrastructure from DWU	858.91	21
Conservation, Water Loss Conservation - Dogwood Estates Water	858.67	22
Conservation, Water Loss Control - Annetta	858.67	22
Conservation, Water Loss Control - Arledge Ridge WSC	858.67	22
Conservation, Water Loss Control - B and B WSC	858.67	22
Conservation, Water Loss Control - Bethel-Ash WSC	858.67	22

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Buena Vista - Bethel SUD	858.67	22
Conservation, Water Loss Control - Butler WSC	858.67	22
Conservation, Water Loss Control - Callisburg WSC	858.67	22
Conservation, Water Loss Control - Chatfield WSC	858.67	22
Conservation, Water Loss Control - Cooke County	858.67	22
Conservation, Water Loss Control - Corbet WSC	858.67	22
Conservation, Water Loss Control - Dorchester	858.67	22
Conservation, Water Loss Control - Ellis County	858.67	22
Conservation, Water Loss Control - Fannin County	858.67	22
Conservation, Water Loss Control - Files Valley WSC	858.67	22
Conservation, Water Loss Control - Freestone County	858.67	22
Conservation, Water Loss Control - Grayson County	858.67	22
Conservation, Water Loss Control - Johnson County SUD	858.67	22
Conservation, Water Loss Control - Navarro County	858.67	22
Conservation, Water Loss Control - Navarro Mills WSC	858.67	22
Conservation, Water Loss Control - Pelican Bay	858.67	22
Conservation, Water Loss Control - Pleasant Grove WSC	858.67	22
Conservation, Water Loss Control - Sansom Park	858.67	22
Conservation, Water Loss Control - Trinidad	858.67	22
UTRWD - Lake Ralph Hall and Reuse	856.99	46
Parker - Additional Delivery Infrastructure from NTWMD	856.67	47
Northwest Grayson County WCID 1 - New Well(s) in Trinity Aquifer	855.95	48
Wise County WSD - 9 MGD WTP Expansion	855.14	49
Rockwall - Additional Delivery Infrastructure from NTWMD	854.73	50
Springtown - Infrastructure Improvements- Surface Water Treatment Plant & Supply Project	853.38	51
Conservation, Water Loss Control - Bedford	852.51	52
Azle - 4 MGD WTP Expansion	849.46	53
Crowley - Additional Delivery Infrastructure Fort Worth	846.15	54
Athens MWA - WTP Infrastructure Improvements	845.74	55
Mabank - Additional Delivery Infrastructure from TRWD (Cedar Creek Reservoir)	840.72	56
Conservation, Water Loss Conservation - Desert WSC	838.67	57
Conservation, Water Loss Control - Bolivar WSC	838.67	57

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Bonham	838.67	57
Conservation, Water Loss Control - Crescent Heights WSC	838.67	57
Conservation, Water Loss Control - Dawson	838.67	57
Conservation, Water Loss Control - Denton County	838.67	57
Conservation, Water Loss Control - Eustace	838.67	57
Conservation, Water Loss Control - Frognot WSC	838.67	57
Conservation, Water Loss Control - Horseshoe Bend Water System	838.67	57
Conservation, Water Loss Control - Kerens	838.67	57
Conservation, Water Loss Control - M-E-N WSC	838.67	57
Conservation, Water Loss Control - Reno	838.67	57
Conservation, Water Loss Control - Rice WSC	838.67	57
Conservation, Water Loss Control - Virginia Hill WSC	838.67	57
Conservation, Water Loss Control - West Leonard WSC	838.67	57
Watauga & N Richland Hills - Increase Delivery Infrastructure from Fort Worth	837.58	72
Parker County SUD - 3.5 MGD WTP Desal Expansion-BRA Supply	836.31	73
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2030-2040	834.33	74
Wilmer - Increase Capacity of Connection with Lancaster	834.04	75
Bois d'Arc MUD - Connect to NTWMD	830.38	76
Midlothian - Expand Auger WTP to 16 MGD	830.12	77
Wylie Northeast SUD - Additional Delivery Infrastructure from NTWMD	830.06	78
Sunnyvale - Additional Delivery Infrastructure from NTMWD	823.94	79
Muenster - Develop Lake Muenster Supply	822.33	80
Conservation, Water Loss Control - Mountain Spring WSC	818.67	81
NTMWD Treatment & Treated Water Distribution Improvements 2030-2040	814.33	82
Hudson Oaks - Direct Connection to Fort Worth	814.27	83
Rice WSC - Additional Delivery Infrastructure from Corsicana	812.67	84
Prosper - Additional Delivery Infrastructure from NTMWD	811.95	85
Conservation, Water Loss Conservation - South Ellis County WSC	809.47	86
Rowlett - Additional Delivery Infrastructure from NTWMD	806.42	87
Irrigation, Fannin - New Well(s) in Trinity Aquifer	804.84	88
DWU - Connect IPL to Bachman	803.02	89

Project Name	FINAL SCORE FOR PROJECT	Rank
Weatherford - Additional Indirect Reuse Phase I	802.51	90
Leonard - Water System Improvements	802.33	91
Watauga - Additional delivery infrastructure North Richland Hills/Fort Worth	798.72	92
Conservation, Water Loss Control - Black Rock WSC	798.67	93
Conservation, Water Loss Control - Blooming Grove	798.67	93
Conservation, Water Loss Control - Everman	798.67	93
Conservation, Water Loss Control - Fairfield	798.67	93
Conservation, Water Loss Control - Honey Grove	798.67	93
Conservation, Water Loss Control - Red River Authority of Texas	798.67	93
Conservation, Water Loss Control - Starr WSC	798.67	93
Conservation, Water Loss Control - Westminster WSC	798.67	93
Conservation, Water Loss Control - East Garrett WSC	797.00	101
DWU - Infrastructure to Treat and Deliver to Customers 2040	794.33	102
Conservation, Water Loss Control - Anna	792.54	103
Weatherford - Expand Lake Benbrook Pump Station	792.53	104
South Freestone County WSC - New Well(s) in Carrizo-Wilcox Aquifer	791.41	105
Denison - Expand Raw Water Delivery from Lake Texoma - Phase I	789.22	106
Runaway Bay - 3 MGD WTP Expansion-1	788.93	107
Kennedale - Connect to Arlington	788.59	108
Cross Timbers WSC - Additional Delivery Infrastructure	788.19	109
Teague - New Wells in Carrizo-Wilcox Aquifer Q-135	788.02	110
Weatherford - 8 MGD WTP Expansion	786.34	111
Waxahachie - Phase I Delivery Infrastructure to Customers in South Ellis County	785.87	112
Conservation, Water Loss Control - Tom Bean	785.08	113
Conservation, Water Loss Control - Southwest Fannin County SUD	784.59	114
TRWD - ASR Pilot	782.84	115
Ladonia - Infrastructure and treatment from water from Ralph Hall (UTRWD)	782.33	116
Athens MWA - New Wells Phase I	781.99	117
Conservation, Water Loss Control - Ladonia	781.29	118
TRWD - Cedar Creek Wetlands Reuse	781.08	119
Athens MWA - New Wells Phase II	780.94	120

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - White Settlement	780.51	121
Conservation, Water Loss Control - South Grayson WSC	780.24	122
Justin - New Well(s) in Trinity Aquifer	780.11	123
Walnut Creek SUD - 6 MGD WTP Expansion	779.81	124
Conservation, Water Loss Control - Henderson County	779.50	125
Conservation, Water Loss Control - Community WSC	779.21	126
Conservation, Water Loss Control - Westlake	778.78	127
Conservation, Water Loss Control - Kaufman County	778.73	128
Conservation, Water Loss Control - Corsicana	778.67	129
Conservation, Water Loss Control - Highland Park	778.67	129
Conservation, Water Loss Control - Whitesboro	778.67	129
Conservation, Water Loss Control - Whitewright	778.67	129
Conservation, Water Loss Control - High Point WSC	778.38	133
Conservation, Water Loss Control - North Collin WSC	778.25	134
Conservation, Water Loss Control - Rockwall County	778.17	135
Conservation, Water Loss Control - Trenton	778.11	136
Conservation, Water Loss Control - Elmo WSC	777.32	137
Conservation, Water Loss Control - Alvord	777.14	138
Conservation, Water Loss Control - Poetry WSC	776.60	139
Conservation, Water Loss Control - Italy	776.31	140
Mabank - 3 MGD WTP Expansion	776.15	141
Lakeside - New Well(s) in Trinity Aquifer	776.04	142
Blackland WSC - Direct Connection to NTWMD	775.67	143
Mansfield - 15 MGD WTP Expansion	774.69	144
Weatherford - Additional Indirect Reuse Phase II	774.32	145
Midlothian - Expand Auger WTP to 24 MGD	771.70	146
County Other, Jack - Infrastructure to Connect to Walnut Creek SUD	771.69	147
Conservation, Water Loss Control - Murphy	771.07	148
Conservation, Water Loss Control - Plano	770.34	149
SEP, Tarrant - Reuse	769.26	150
Conservation, Water Loss Control - Collin County	769.22	151
Krum - New Well(s) in Trinity Aquifer	769.22	152
Argyle WSC - New Well(s) in Trinity Aquifer	768.73	153
Frisco - Direct Reuse	768.28	154

Project Name	FINAL SCORE FOR PROJECT	Rank
Waxahachie - 8 MGD WTP Expansion-Howard Road	766.47	155
Rockett SUD - 10 MGD WTP Expansion at Sokoll-1	764.39	156
Celina - Connect to and Purchase Water from NTMWD	764.11	157
Conservation, Water Loss Control - Leonard	764.11	158
Conservation, Water Loss Control - Chico	762.91	159
Conservation, Water Loss Control - Keller	762.38	160
Conservation, Water Loss Control - White Shed WSC	761.74	161
Conservation, Water Loss Control - Pink Hill WSC	761.29	162
Conservation, Water Loss Control - Aledo	761.00	163
Conservation, Water Loss Control - Sanger	760.59	164
Bolivar WSC - New Well(s) in Trinity Aquifer	759.88	165
Conservation, Water Loss Control - Richland Hills	759.80	166
Conservation, Water Loss Control - Euless	759.59	167
Conservation, Water Loss Control - Luella SUD	759.50	168
Conservation, Water Loss Control - Dalworthington Gardens	759.16	169
Conservation, Water Loss Control - Bridgeport	759.02	170
Conservation, Water Loss Control - Kentucky Town WSC	758.88	171
Conservation, Water Loss Control - Athens	758.67	172
Conservation, Water Loss Control - Bells	758.67	172
Conservation, Water Loss Control - Gainesville	758.67	172
Conservation, Water Loss Control - Lake Kiowa SUD	758.67	172
Conservation, Water Loss Control - Marilee SUD	758.67	172
Conservation, Water Loss Control - Muenster	758.67	172
Conservation, Water Loss Control - Pantego	758.67	172
Conservation, Water Loss Control - University Park	758.67	172
Conservation, Water Loss Control - Waxahachie	758.67	172
Conservation, Water Loss Control - West Cedar Creek MUD	758.62	181
Conservation, Water Loss Control - Crowley	758.62	182
Conservation, Water Loss Control - Avalon Water Supply and Sewer Service	758.54	183
Conservation, Water Loss Control - Roanoke	758.46	184
Conservation, Water Loss Control - College Mound WSC	758.15	185
Conservation, Water Loss Control - Copeville SUD	758.11	186
Conservation, Water Loss Control - Becker Jiba WSC	758.02	187

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Gastonia-Scurry SUD	757.78	188
Conservation, Water Loss Control - Arlington	757.77	189
Conservation, Water Loss Control - Ables Springs WSC	757.62	190
Conservation, Water Loss Control - North Kaufman WSC	757.59	191
Conservation, Water Loss Control - Parker County SUD	757.43	192
Conservation, Water Loss Control - Paloma Creek North	756.77	193
Conservation, Water Loss Control - Paloma Creek South	756.75	194
Conservation, Water Loss Control - Denton County FWSD #7	756.71	195
Waxahachie - 36" Raw water line from IPL to Lake Waxahachie	756.24	196
Waxahachie - 36" Raw Water line from Lake Waxahachie to Howard Rd WTP	756.24	196
Waxahachie - 48" TRWD Parallel Supply Line to Sokoll WTP	756.24	196
Waxahachie - Increase delivery infrastructure to Rockett SUD	756.24	196
Waxahachie - Raw Water Intake Improvements at Lake Bardwell	756.24	196
Conservation, Water Loss Control - Sherman	755.61	201
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2040-2050	754.33	202
Conservation, Water Loss Control - Tarrant County	752.73	203
GTUA - Regional Water System Phase I	752.23	204
Conservation, Water Loss Control - Sunnyvale	751.11	205
Mansfield - 35 MGD WTP Expansion	751.10	206
Conservation, Water Loss Control - Fairview	751.09	207
Grand Prairie - Connect to Arlington	749.36	208
Conservation, Water Loss Control - Ponder	749.35	209
Conservation, Water Loss Control - Fort Worth	748.70	210
County Other, Kaufman - WTP and Connect to TRWD	748.46	211
Waxahachie - 30" Raw water line from IPL to Howard Road WTP	748.24	212
Conservation, Water Loss Control - Richardson	747.71	213
County-Other, Denton - New Well(s) in Woodbine Aquifer	746.38	214
Pilot Point - New Well(s) in Trinity Aquifer	746.00	215
Blue Ridge - Connect to and Purchase Water from NTWMD	743.83	216
County-Other, Denton - New Well(s) in Trinity Aquifer	742.92	217
Dorchester - New Well(s) in Trinity Aquifer	742.33	218

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Kaufman County Development District 1	741.56	219
Pelican Bay - New Well(s) in Trinity Aquifer	740.67	220
Anna - New Well(s) in Woodbine Aquifer	740.48	221
Conservation, Water Loss Control - Rose Hill SUD	738.42	222
Conservation, Water Loss Control - Cedar Hill	737.71	223
TRWD - Additional Capacity to Convey Richland Chambers Reuse (IPL)	737.35	224
Melissa - Additional Delivery Infrastructure from NTMWD	736.97	225
NTMWD Treatment & Treated Water Distribution Improvements 2040-2050	734.33	226
Alvord - Connect to West Wise SUD	733.88	227
Sherman - 10 MGD WTP Expansion (Desal)-1	733.77	228
GTUA - Regional Water System Phase II	733.21	229
Annetta - Connect to Weatherford	732.33	230
Benbrook - 3 MGD WTP Expansion	731.86	231
Denton - 30 MGD WTP Expansion- Ray Roberts-1	731.77	232
Conservation, Water Loss Control - Ovilla	730.93	233
Conservation, Water Loss Control - Boyd	730.47	234
Conservation, Water Loss Control - Hackberry	730.36	235
Verona SUD - New Well(s) in Woodbine Aquifer	728.06	236
Conservation, Water Loss Control - Woodbine WSC	727.38	237
Conservation, Water Loss Control - Lindsay	727.24	238
Conservation, Water Loss Control - Lucas	726.51	239
Conservation, Water Loss Control - Van Alstyne	726.09	240
White Shed WSC - New Well(s) in Woodbine Aquifer	725.34	241
Conservation, Water Loss Control - Kaufman	724.00	242
Kennedale - Additional Delivery Infrastructure from Fort Worth	723.83	243
Conservation, Water Loss Control - Tioga	723.67	244
Conservation, Water Loss Control - Malakoff	723.11	245
County-Other, Parker-WTP and Transmission Facilities to TRWD	722.66	246
Conservation, Water Loss Control - River Oaks	722.14	247
Fort Worth Direct Reuse - Alliance Corridor	721.92	248
UTRWD - Additional Direct Reuse	720.69	249

Project Name	FINAL SCORE FOR PROJECT	Rank
Pantego - Connect to Arlington	720.67	250
Conservation, Water Loss Control - Ferris	720.24	251
Conservation, Water Loss Control - Verona SUD	720.10	252
Conservation, Water Loss Control - R C H WSC	717.95	253
Conservation, Water Loss Control - Bear Creek SUD	717.91	254
Conservation, Water Loss Control - Aubrey	717.53	255
Conservation, Water Loss Control - Josephine	717.27	256
Conservation, Water Loss Control - Bethesda WSC	717.23	257
Conservation, Water Loss Control - Collinsville	717.16	258
Conservation, Water Loss Control - Nevada SUD	717.14	259
Conservation, Water Loss Control - Northlake	717.09	260
Conservation, Water Loss Control - Bois D Arc MUD	716.87	261
Conservation, Water Loss Control - Corinth	716.71	262
Conservation, Water Loss Control - Celina	716.70	263
Cross Timbers WSC - New Well(s) in Trinity Aquifer	716.29	264
Conservation, Water Loss Control - Grand Prairie	713.82	265
Conservation, Water Loss Control - Dallas County	712.19	266
Conservation, Water Loss Control - Rowlett	712.08	267
Conservation, Water Loss Control - Wylie	711.56	268
Gainesville - Expand Direct Reuse	711.22	269
Conservation, Water Loss Control - Allen	711.01	270
Conservation, Water Loss Control - Forney Lake WSC	706.21	271
Conservation, Water Loss Control - Jack County	705.89	272
NTMWD & Irving - Lake Chapman Pump Station Expansion	705.67	273
NTMWD & Irving - Lake Chapman Pump Station Expansion	705.67	273
Conservation, Water Loss Control - Caddo Basin SUD	704.66	275
Conservation, Water Loss Control - Springtown	704.25	276
Conservation, Water Loss Control - Cash SUD	704.20	277
Denison - New 4 MGD Desalination WTP	702.14	278
Pantego - Connect to Fort Worth	700.67	279
Conservation, Water Loss Control - Argyle WSC	699.26	280
Conservation, Water Loss Control - Haslet	699.12	281
Conservation, Water Loss Control - Farmersville	698.12	282
Conservation, Water Loss Control - Mount Zion WSC	697.94	283

Project Name	FINAL SCORE FOR PROJECT	Rank
GTUA - Connection from Sherman to CGMA	697.83	284
Conservation, Water Loss Control - Northwest Grayson County WDIS1	697.40	285
Conservation, Water Loss Control - Cross Timbers WSC	697.19	286
Conservation, Water Loss Control - Culleoka WSC	697.19	287
Conservation, Water Loss Control - Howe	696.17	288
Southlake - Additional Delivery Infrastructure Fort Worth	696.08	289
Conservation, Water Loss Control - Lakeside	696.03	290
Conservation, Water Loss Control - Wise County	695.89	291
Conservation, Water Loss Control - Burleson	695.81	292
Conservation, Water Loss Control - Mountain Peak SUD	694.99	293
Conservation, Water Loss Control - Sachse	694.78	294
Conservation, Water Loss Control - Little Elm	694.06	295
Corsicana - New 8 MGD WTP, Halbert-Richland Chambers	693.95	296
Conservation, Water Loss Control - Newark	693.89	297
Conservation, Water Loss Control - Jacksboro	693.70	298
Conservation, Water Loss Control - Mineral Wells	693.34	299
Conservation, Water Loss Control - Rhome	693.09	300
Conservation, Water Loss Control - Runaway Bay	692.69	301
Conservation, Water Loss Control - Irving	691.98	302
Conservation, Water Loss Control - Talty WSC	689.60	303
Conservation, Water Loss Control - Glenn Heights	688.60	304
Conservation, Water Loss Control - Dallas	688.30	305
Flower Mound - Alliance Direct Reuse	687.91	306
Conservation, Water Loss Control - Royse City	687.43	307
Conservation, Water Loss Control - Cockrell Hill	686.31	308
Conservation, Water Loss Control - Wilmer	686.08	309
Conservation, Water Loss Control - Westover Hills	684.84	310
Van Alstyne - Water System Improvements	684.52	311
Conservation, Water Loss Control - Two Way SUD	683.86	312
Conservation, Water Loss Control - Wortham	683.33	313
Conservation, Water Loss Control - South Freestone County WSC	682.58	314
Lewisville - 6 MGD WTP Expansion-1	681.61	315
Sardis Lone Elm - Connect to TRWD	681.56	316

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Palmer	681.08	317
Conservation, Water Loss Control - Ennis	681.01	318
Conservation, Water Loss Control - Oak Ridge South Gale WSC	680.73	319
Chico - Additional Delivery Infrastructure from West Wise SUD	680.05	320
Conservation, Water Loss Control - Trophy Club	679.27	321
Conservation, Water Loss Control - Lake Worth	679.24	322
Conservation, Water Loss Control - Hurst	679.00	323
Conservation, Water Loss Control - Watauga	678.92	324
Conservation, Water Loss Control - Saginaw	678.91	325
Conservation, Water Loss Control - Forest Hill	678.91	326
Manufacturing, Collin - New Well(s) in Woodbine Aquifer	678.89	327
Conservation, Water Loss Control - Haltom City	678.86	328
Conservation, Water Loss Control - Southlake	678.84	329
Conservation, Water Loss Control - Colleyville	678.81	330
Conservation, Water Loss Control - Rockett SUD	678.77	331
Conservation, Water Loss Control - Westworth Village	678.67	332
Conservation, Water Loss Control - Parker	678.49	333
Conservation, Water Loss Control - North Richland Hills	678.24	334
Conservation, Water Loss Control - Edgecliff Village	678.21	335
Conservation, Water Loss Control - Wylie Northeast SUD	678.04	336
Conservation, Water Loss Control - East Fork SUD	677.95	337
Conservation, Water Loss Control - Willow Park	677.82	338
Conservation, Water Loss Control - Highland Village	677.79	339
Conservation, Water Loss Control - Denton	677.47	340
Conservation, Water Loss Control - Kennedale	677.29	341
Conservation, Water Loss Control - McKinney	677.28	342
Conservation, Water Loss Control - Melissa	677.20	343
Conservation, Water Loss Control - Justin	677.01	344
County Other, Parker - New Well(s) in Trinity Aquifer	676.95	345
Conservation, Water Loss Control - Providence Village WCID	676.81	346
Conservation, Water Loss Control - Denton County FWSD #10	676.74	347
Conservation, Water Loss Control - Lake Cities MUA	676.69	348
Conservation, Water Loss Control - Mustang SUD	676.29	349
Conservation, Water Loss Control - Pottsboro	676.17	350

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Crandall	675.41	351
TRWD - Additional Transmission Pipeline	675.36	352
Conservation, Water Loss Control - Southmayd	675.11	353
Gunter - New Well(s) in Trinity Aquifer	674.73	354
Conservation, Water Loss Control - Benbrook	674.51	355
Conservation, Water Loss Control - Sardis Lone Elm WSC	674.43	356
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2050-2060	674.33	357
Arledge Ridge WSC - New Well(s) in Woodbine Aquifer	674.33	358
Conservation, Water Loss Control - Heath	674.07	359
Conservation, Water Loss Control - Walnut Creek SUD	673.73	360
GTUA - Parallel Collin-Grayson Municipal Alliance Pipeline	673.15	361
Conservation, Water Loss Control - Fate	672.44	362
TRWD - Reuse from TRA Central WWTP	672.04	363
Bells - New Well(s) in Woodbine Aquifer	668.15	364
Conservation, Water Loss Control - Mesquite	668.05	365
Dogwood Estates Water - New Well(s) in Carrizo-Wilcox Aquifer	666.66	366
Conservation, Water Loss Control - Garland	666.63	367
Fort Worth - 35 MGD WTP Expansion-Eagle Mountain	665.47	368
Conservation, Water Loss Control - Princeton	664.35	369
Wilmer - Direct connection to Dallas (36" Transmission Line)	664.34	370
Conservation, Water Loss Control - Blackland WSC	661.44	371
NTMWD - Additional Measure to Access Full Lake Lavon Yield	661.35	372
Corsicana - 8 MGD WTP Expansion, Halbert-Richland Chambers-1	660.90	373
Conservation, Water Loss Control - Kaufman County MUD 11	657.45	374
Conservation, Water Loss Control - Seis Lagos UD	657.31	375
Conservation, Water Loss Control - Red Oak	656.55	376
NTMWD Treatment & Treated Water Distribution Improvements 2050-2060	654.33	377
Eustace - New Well(s) in Carrizo-Wilcox Aquifer	653.45	378
Conservation, Water Loss Control - Denison	653.40	379
Blue Ridge - Increase Delivery Infrastructure from NTWMD-Phase I	652.95	380
Conservation, Water Loss Control - Milligan WSC	650.68	381
Conservation, Water Loss Control - The Colony	650.30	382

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Prosper	649.61	383
Southwest Fannin Co SUD - New Well(s) in Woodbine Aquifer	649.17	384
Forney - Increase Delivery Infrastructure from NTWMD	648.69	385
Conservation, Water Loss Control - Carrollton	647.49	386
Conservation, Water Loss Control - Balch Springs	647.25	387
Conservation, Water Loss Control - Farmers Branch	647.12	388
Pink Hill WSC - New Well(s) in Trinity Aquifer	646.79	389
Pink Hill WSC - New Well(s) in Woodbine Aquifer	646.79	389
Mining, Kaufman County - New Well(s) in Nacatoch Aquifer	645.85	391
Conservation, Water Loss Control - Lewisville	644.86	392
Conservation, Water Loss Control - Azle	643.30	393
Fort Worth Mary's Creek WRF Future Direct Reuse	642.60	394
County Other, Jack - Infrastructure to Connect to Jacksboro	642.42	395
Conservation, Water Loss Control - North Farmersville	642.42	396
Ennis - Indirect Reuse	641.79	397
Conservation, Water Loss Control - Forney	641.27	398
Conservation, Water Loss Control - Combine WSC	640.67	399
Fate - Additional Delivery Infrastructure from NTWMD	640.54	400
Conservation, Water Loss Control - Rockwall	640.46	401
Conservation, Water Loss Control - West Wise SUD	640.20	402
Conservation, Water Loss Control - Frisco	639.64	403
Lewisville - 6 MGD WTP Expansion-2	638.56	404
Conservation, Water Loss Control - East Cedar Creek FWSD	636.91	405
Conservation, Water Loss Control - Markout WSC	634.74	406
Burleson - Additional Infrastructure from Ft Worth	634.45	407
Conservation, Water Loss Control - Mabank	634.09	408
DWU - Main Stem Balancing Reservoir	633.42	409
Marvin Nichols (328) - TRWD, NTMWD, UTRWD	632.09	410
Marvin Nichols (328) - TRWD, NTMWD, UTRWD	632.09	410
Marvin Nichols (328) - TRWD, NTMWD, UTRWD	632.09	410
Conservation, Water Loss Control - Teague	629.91	413
Fort Worth - 50 MGD WTP Expansion-Rolling Hills	628.98	414
Palmer - Additional Delivery Infrastructure from Rockett	627.33	415
Conservation, Water Loss Control - Coppell	627.25	416

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Duncanville	626.92	417
M E N WSC - Additional Delivery Infrastructure from Corsicana (Upsize Lake Halbert Connection)	624.86	418
Conservation, Water Loss Control - Denton County FWSD #1A	624.29	419
Fort Worth - 35 MGD WTP Expansion-West Plant	619.23	420
Conservation, Water Loss Control - DeSoto	616.80	421
Conservation, Water Loss Control - Krum	616.00	422
Conservation, Water Loss Control - Hudson Oaks	615.03	423
Conservation, Water Loss Control - Decatur	614.94	424
Conservation, Water Loss Control - Gunter	614.81	425
Fort Worth - 23 MGD WTP Expansion-West Plant	612.52	426
Hackberry - Additional Delivery Infrastructure from NTMWD	611.95	427
TRWD - Carrizo-Wilcox Groundwater	608.35	428
Ennis - 6 MGD WTP Expansion	608.09	429
Conservation, Water Loss Control - Addison	607.20	430
Conservation, Water Loss Control - Hutchins	607.17	431
Conservation, Water Loss Control - Lancaster	606.93	432
Fort Worth - 30 MGD WTP Expansion-Eagle Mountain	605.27	433
Conservation, Water Loss Control - Blue Ridge	604.85	434
Trenton - New Well(s) in Woodbine Aquifer	604.71	435
Fort Worth Village Creek WRF Future Direct Reuse	603.66	436
Conservation, Water Loss Control - Flower Mound	603.62	437
Conservation, Water Loss Control - Weatherford	603.58	438
Conservation, Water Loss Control - Grapevine	602.20	439
Conservation, Water Loss Control - Kemp	600.05	440
Conservation, Water Loss Control - Parker County	599.48	441
Conservation, Water Loss Control - Seagoville	598.51	442
NTMWD - Expanded Wetland Reuse	597.42	443
Conservation, Water Loss Control - Mansfield	596.12	444
Conservation, Water Loss Control - Terrell	595.74	445
Denison - Expand Raw Water Delivery from Lake Texoma - Phase II	594.63	446
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2060-2070	594.33	447
Conservation, Water Loss Control - Pilot Point	593.88	448

Project Name	FINAL SCORE FOR PROJECT	Rank
Conservation, Water Loss Control - Midlothian	593.87	449
TRWD - Tehuacana Reservoir	593.29	450
Denton - 20 MGD WTP Expansion- Ray Roberts	592.54	451
Fairfield - New WTP and transmission system from TRWD	591.60	452
NTMWD - Additional Lake Texoma Blend Phase I	589.84	453
West Wise SUD - 1.5 MGD WTP Expansion	576.13	454
NTMWD Treatment & Treated Water Distribution Improvements 2060-2070	574.33	455
NTWMD - FANNIN COUNTY WATER SUPPLY PROJECT	570.61	456
Fort Worth - 50 MGD WTP Expansion-General 1	562.54	457
Waxahachie - Dredge lake Waxahachie	562.24	458
Weatherford - 14 MGD WTP Expansion	561.91	459
Midlothian - Expand Auger WTP to 32 MGD	560.64	460
Lewisville - 6.5 MGD WTP Expansion	552.66	461
Sherman - 10 MGD WTP Expansion (Desal)-2	548.85	462
Waxahachie - Phase II Delivery Infrastructure to Customers in South Ellis County	544.80	463
Gainesville - Infrastructure to Deliver to Customers	543.35	464
County-Other, Freestone - New Delivery and Treatment Facilities from TRWD	532.67	465
Glenn Heights Additional Delivery Infrastructure from DWU	532.15	466
Ferris - Additional Delivery Infrastructure from Rockett	531.96	467
Gainesville - 5 MGD WTP Expansion 1	520.71	468
Denton - 30 MGD WTP Expansion- Ray Roberts-2	518.98	469
NTMWD - Additional Lake Texoma Blend Phase II	518.02	470
Bridgeport - Expand Capacity of Lake Intake and Pump Station	511.06	471
Black Rock WSC - New Well(s) in Trinity Aquifer	509.85	472
DWU - Neches River Run-of-the-River Diversions	498.15	473
Mansfield - 20 MGD WTP Expansion	486.00	474
NTMWD - Additional Lavon Watershed Reuse	480.97	475
Fort Worth - 50 MGD WTP Expansion-General 2	480.09	476
Weatherford - 18 MGD WTP Expansion	474.86	477
County-Other, Freestone - Additional Delivery Infrastructure from Corsicana	473.01	478
Rockett SUD - 10 MGD WTP Expansion at Sokoll-2	471.98	479

Project Name	FINAL SCORE FOR PROJECT	Rank
Ovilla - Additional Delivery Infrastructure from DWU	465.81	480
Mabank - 5 MGD WTP Expansion	462.66	481
Pelican Bay - Connect to Azle	461.30	482
Blue Ridge - Increase Delivery Infrastructure from NTWMD-Phase II	461.27	483
Desert WSC - New Well(s) in Woodbine Aquifer	460.67	484
Fort Worth - 50 MGD WTP Expansion-General 3	453.12	485
Ennis - 8 MGD WTP Expansion	450.63	486
Navarro Mills WSC - New Well in Woodbine Aquifer Q-168	450.35	487
Corsicana - 8 MGD WTP Expansion, Halbert-Richland Chambers-2	447.46	488
Denison - 10 MGD Desalination WTP Expansion	446.19	489
Walnut Creek SUD - New 7 MGD WTP-Eagle Mountain	445.97	490
Denton - 25 MGD WTP Expansion	440.62	491
Bridgeport - 2 MGD WTP Expansion	431.06	492
DWU - Lake Columbia	424.78	493
Aledo - Parallel Pipeline & Pump Station Expansion from Fort Worth	420.27	494
DWU - Parallel IPL	412.78	495
Wright Patman Reallocation NTMWD, TRWD, and UTRWD	405.59	496
Wright Patman Reallocation NTMWD, TRWD, and UTRWD	405.59	496
Wright Patman Reallocation NTMWD, TRWD, and UTRWD	405.59	496
Fort Worth - 50 MGD WTP Expansion-General 4	394.77	499
Sherman - 10 MGD WTP Expansion (Desal)-3	384.96	500
Waxahachie - 12 MGD WTP Expansion-Howard Road	380.52	501
Ennis - 16 MGD WTP Expansion	375.68	502
Runaway Bay - 3 MGD WTP Expansion-2	363.21	503
Sherman - 20 MGD WTP Expansion (Desal)	362.74	504
Gainesville - 5 MGD WTP Expansion 2	356.96	505
Denton - 20 MGD WTP Expansion	333.48	506
NTMWD - Oklahoma Water	330.25	507
Rockett SUD - 4 MGD WTP Expansion at Sokoll	327.33	508
Pleasant Grove WSC - New Well(s) in Carrizo-Wilcox Aquifer	313.45	509
College Mound - Additional Delivery Infrastructure from Terrell	280.69	510
Bridgeport - 1 MGD WTP Expansion	246.49	511

Table 2 Region C Project (without Conservation) Rankings

Project Name	FINAL SCORE FOR PROJECT	Rank
DWU - Infrastructure to Treat and Deliver to Customers 2020	950.33	1
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2020-2030	942.33	2
NTMWD Treatment & Treated Water Distribution Improvements 2020-2030	922.33	3
Newark - Connect to Rhome	917.98	4
Midlothian - Expand Tayman WTP to 20 MGD	914.33	5
Terrell - Ground Storage Tank and Pump Station at NTWMD Delivery Point	913.91	6
Terrell - Infrastructure Improvements to wholesale customer	913.91	6
Runaway Bay - Increase Capacity of Lake Intake	906.71	8
B H P WSC - Direct Connection to NTWMD	901.84	9
Manufacturing, Wise County - New Well(s) in Trinity Aquifer	894.79	10
Irving - TRA Central Reuse	892.00	11
Livestock, Henderson - New Well(s) in Carrizo-Wilcox Aquifer	882.33	12
Livestock, Tarrant - New Well(s) in Trinity Aquifer	882.33	12
Mining, Grayson County - New Well(s) in Trinity Aquifer	882.33	12
NTMWD - Bois d'Arc Lake	881.56	15
DWU - Infrastructure to Treat and Deliver to Customers 2030	874.33	16
Willow Park - Connect to Fort Worth	872.61	17
Mining, Parker County - New Well(s) in Trinity Aquifer	862.33	18
East Fork SUD - Additional Delivery Infrastructure from NTMWD	862.09	19
Cash WSC - Additional Delivery Infrastructure from NTMWD	861.34	20
Grand Prairie - Additional Delivery Infrastructure from DWU	858.91	21
UTRWD - Lake Ralph Hall and Reuse	856.99	46
Parker - Additional Delivery Infrastructure from NTWMD	856.67	47
Northwest Grayson County WCID 1 - New Well(s) in Trinity Aquifer	855.95	48
Wise County WSD - 9 MGD WTP Expansion	855.14	49
Rockwall - Additional Delivery Infrastructure from NTWMD	854.73	50
Springtown - Infrastructure Improvements- Surface Water Treatment Plant & Supply Project	853.38	51
Azle - 4 MGD WTP Expansion	849.46	53

Project Name	FINAL SCORE FOR PROJECT	Rank
Crowley - Additional Delivery Infrastructure Fort Worth	846.15	54
Athens MWA - WTP Infrastructure Improvements	845.74	55
Mabank - Additional Delivery Infrastructure from TRWD (Cedar Creek Reservoir)	840.72	56
Watauga & N Richland Hills - Increase Delivery Infrastructure from Fort Worth	837.58	72
Parker County SUD - 3.5 MGD WTP Desal Expansion-BRA Supply	836.31	73
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2030-2040	834.33	74
Wilmer - Increase Capacity of Connection with Lancaster	834.04	75
Bois d'Arc MUD - Connect to NTWMD	830.38	76
Midlothian - Expand Auger WTP to 16 MGD	830.12	77
Wylie Northeast SUD - Additional Delivery Infrastructure from NTWMD	830.06	78
Sunnyvale - Additional Delivery Infrastructure from NTMWD	823.94	79
Muenster - Develop Lake Muenster Supply	822.33	80
NTMWD Treatment & Treated Water Distribution Improvements 2030-2040	814.33	82
Hudson Oaks - Direct Connection to Fort Worth	814.27	83
Rice WSC - Additional Delivery Infrastructure from Corsicana	812.67	84
Prosper - Additional Delivery Infrastructure from NTMWD	811.95	85
Rowlett - Additional Delivery Infrastructure from NTWMD	806.42	87
Irrigation, Fannin - New Well(s) in Trinity Aquifer	804.84	88
DWU - Connect IPL to Bachman	803.02	89
Weatherford - Additional Indirect Reuse Phase I	802.51	90
Leonard - Water System Improvements	802.33	91
Watauga - Additional delivery infrastructure North Richland Hills/Fort Worth	798.72	92
DWU - Infrastructure to Treat and Deliver to Customers 2040	794.33	102
Weatherford - Expand Lake Benbrook Pump Station	792.53	104
South Freestone County WSC - New Well(s) in Carrizo-Wilcox Aquifer	791.41	105
Denison - Expand Raw Water Delivery from Lake Texoma - Phase I	789.22	106
Runaway Bay - 3 MGD WTP Expansion-1	788.93	107
Kennedale - Connect to Arlington	788.59	108
Cross Timbers WSC - Additional Delivery Infrastructure	788.19	109

Project Name	FINAL SCORE FOR PROJECT	Rank
Teague - New Wells in Carrizo-Wilcox Aquifer Q-135	788.02	110
Weatherford - 8 MGD WTP Expansion	786.34	111
Waxahachie - Phase I Delivery Infrastructure to Customers in South Ellis County	785.87	112
TRWD - ASR Pilot	782.84	115
Ladonia - Infrastructure and treatment from water from Ralph Hall (UTRWD)	782.33	116
Athens MWA - New Wells Phase I	781.99	117
TRWD - Cedar Creek Wetlands Reuse	781.08	119
Athens MWA - New Wells Phase II	780.94	120
Justin - New Well(s) in Trinity Aquifer	780.11	123
Walnut Creek SUD - 6 MGD WTP Expansion	779.81	124
Mabank - 3 MGD WTP Expansion	776.15	141
Lakeside - New Well(s) in Trinity Aquifer	776.04	142
Blackland WSC - Direct Connection to NTWMD	775.67	143
Mansfield - 15 MGD WTP Expansion	774.69	144
Weatherford - Additional Indirect Reuse Phase II	774.32	145
Midlothian - Expand Auger WTP to 24 MGD	771.70	146
County Other, Jack - Infrastructure to Connect to Walnut Creek SUD	771.69	147
SEP, Tarrant - Reuse	769.26	150
Krum - New Well(s) in Trinity Aquifer	769.22	152
Argyle WSC - New Well(s) in Trinity Aquifer	768.73	153
Frisco - Direct Reuse	768.28	154
Waxahachie - 8 MGD WTP Expansion-Howard Road	766.47	155
Rockett SUD - 10 MGD WTP Expansion at Sokoll-1	764.39	156
Celina - Connect to and Purchase Water from NTMWD	764.11	157
Bolivar WSC - New Well(s) in Trinity Aquifer	759.88	165
Waxahachie - 36" Raw water line from IPL to Lake Waxahachie	756.24	196
Waxahachie - 36" Raw Water line from Lake Waxahachie to Howard Rd WTP	756.24	196
Waxahachie - 48" TRWD Parallel Supply Line to Sokoll WTP	756.24	196
Waxahachie - Increase delivery infrastructure to Rockett SUD	756.24	196
Waxahachie - Raw Water Intake Improvements at Lake Bardwell	756.24	196

Project Name	FINAL SCORE FOR PROJECT	Rank
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2040-2050	754.33	202
GTUA - Regional Water System Phase I	752.23	204
Mansfield - 35 MGD WTP Expansion	751.10	206
Grand Prairie - Connect to Arlington	749.36	208
County Other, Kaufman - WTP and Connect to TRWD	748.46	211
Waxahachie - 30" Raw water line from IPL to Howard Road WTP	748.24	212
County-Other, Denton - New Well(s) in Woodbine Aquifer	746.38	214
Pilot Point - New Well(s) in Trinity Aquifer	746.00	215
Blue Ridge - Connect to and Purchase Water from NTWMD	743.83	216
County-Other, Denton - New Well(s) in Trinity Aquifer	742.92	217
Dorchester - New Well(s) in Trinity Aquifer	742.33	218
Pelican Bay - New Well(s) in Trinity Aquifer	740.67	220
Anna - New Well(s) in Woodbine Aquifer	740.48	221
TRWD - Additional Capacity to Convey Richland Chambers Reuse (IPL)	737.35	224
Melissa - Additional Delivery Infrastructure from NTMWD	736.97	225
NTMWD Treatment & Treated Water Distribution Improvements 2040-2050	734.33	226
Alvord - Connect to West Wise SUD	733.88	227
Sherman - 10 MGD WTP Expansion (Desal)-1	733.77	228
GTUA - Regional Water System Phase II	733.21	229
Annetta - Connect to Weatherford	732.33	230
Benbrook - 3 MGD WTP Expansion	731.86	231
Denton - 30 MGD WTP Expansion- Ray Roberts-1	731.77	232
Verona SUD - New Well(s) in Woodbine Aquifer	728.06	236
White Shed WSC - New Well(s) in Woodbine Aquifer	725.34	241
Kennedale - Additional Delivery Infrastructure from Fort Worth	723.83	243
County-Other, Parker-WTP and Transmission Facilities to TRWD	722.66	246
Fort Worth Direct Reuse - Alliance Corridor	721.92	248
UTRWD - Additional Direct Reuse	720.69	249
Pantego - Connect to Arlington	720.67	250
Cross Timbers WSC - New Well(s) in Trinity Aquifer	716.29	264
Gainesville - Expand Direct Reuse	711.22	269
NTMWD & Irving - Lake Chapman Pump Station Expansion	705.67	273

Project Name	FINAL SCORE FOR PROJECT	Rank
NTMWD & Irving - Lake Chapman Pump Station Expansion	705.67	273
Denison - New 4 MGD Desalination WTP	702.14	278
Pantego - Connect to Fort Worth	700.67	279
GTUA - Connection from Sherman to CGMA	697.83	284
Southlake - Additional Delivery Infrastructure Fort Worth	696.08	289
Corsicana - New 8 MGD WTP, Halbert-Richland Chambers	693.95	296
Flower Mound - Alliance Direct Reuse	687.91	306
Van Alstyne - Water System Improvements	684.52	311
Lewisville - 6 MGD WTP Expansion-1	681.61	315
Sardis Lone Elm - Connect to TRWD	681.56	316
Chico - Additional Delivery Infrastructure from West Wise SUD	680.05	320
Manufacturing, Collin - New Well(s) in Woodbine Aquifer	678.89	327
County Other, Parker - New Well(s) in Trinity Aquifer	676.95	345
TRWD - Additional Transmission Pipeline	675.36	352
Gunter - New Well(s) in Trinity Aquifer	674.73	354
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2050-2060	674.33	357
Arledge Ridge WSC - New Well(s) in Woodbine Aquifer	674.33	358
GTUA - Parallel Collin-Grayson Municipal Alliance Pipeline	673.15	361
TRWD - Reuse from TRA Central WWTP	672.04	363
Bells - New Well(s) in Woodbine Aquifer	668.15	364
Dogwood Estates Water - New Well(s) in Carrizo-Wilcox Aquifer	666.66	366
Fort Worth - 35 MGD WTP Expansion-Eagle Mountain	665.47	368
Wilmer - Direct connection to Dallas (36" Transmission Line)	664.34	370
NTMWD - Additional Measure to Access Full Lake Lavon Yield	661.35	372
Corsicana - 8 MGD WTP Expansion, Halbert-Richland Chambers-1	660.90	373
NTMWD Treatment & Treated Water Distribution Improvements 2050-2060	654.33	377
Eustace - New Well(s) in Carrizo-Wilcox Aquifer	653.45	378
Blue Ridge - Increase Delivery Infrastructure from NTWMD-Phase I	652.95	380
Southwest Fannin Co SUD - New Well(s) in Woodbine Aquifer	649.17	384
Forney - Increase Delivery Infrastructure from NTWMD	648.69	385
Pink Hill WSC - New Well(s) in Trinity Aquifer	646.79	389
Pink Hill WSC - New Well(s) in Woodbine Aquifer	646.79	389

Project Name	FINAL SCORE FOR PROJECT	Rank
Mining, Kaufman County - New Well(s) in Nacatoch Aquifer	645.85	391
Fort Worth Mary's Creek WRF Future Direct Reuse	642.60	394
County Other, Jack - Infrastructure to Connect to Jacksboro	642.42	395
Ennis - Indirect Reuse	641.79	397
Fate - Additional Delivery Infrastructure from NTWMD	640.54	400
Lewisville - 6 MGD WTP Expansion-2	638.56	404
Burleson - Additional Infrastructure from Ft Worth	634.45	407
DWU - Main Stem Balancing Reservoir	633.42	409
Marvin Nichols (328) - TRWD, NTMWD, UTRWD	632.09	410
Marvin Nichols (328) - TRWD, NTMWD, UTRWD	632.09	410
Marvin Nichols (328) - TRWD, NTMWD, UTRWD	632.09	410
Fort Worth - 50 MGD WTP Expansion-Rolling Hills	628.98	414
Palmer - Additional Delivery Infrastructure from Rockett	627.33	415
M E N WSC - Additional Delivery Infrastructure from Corsicana (Upsize Lake Halbert Connection)	624.86	418
Fort Worth - 35 MGD WTP Expansion-West Plant	619.23	420
Fort Worth - 23 MGD WTP Expansion-West Plant	612.52	426
Hackberry - Additional Delivery Infrastructure from NTMWD	611.95	427
TRWD - Carrizo-Wilcox Groundwater	608.35	428
Ennis - 6 MGD WTP Expansion	608.09	429
Fort Worth - 30 MGD WTP Expansion-Eagle Mountain	605.27	433
Trenton - New Well(s) in Woodbine Aquifer	604.71	435
Fort Worth Village Creek WRF Future Direct Reuse	603.66	436
NTMWD - Expanded Wetland Reuse	597.42	443
Denison - Expand Raw Water Delivery from Lake Texoma - Phase II	594.63	446
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2060-2070	594.33	447
TRWD - Tehuacana Reservoir	593.29	450
Denton - 20 MGD WTP Expansion- Ray Roberts	592.54	451
Fairfield - New WTP and transmission system from TRWD	591.60	452
NTMWD - Additional Lake Texoma Blend Phase I	589.84	453
West Wise SUD - 1.5 MGD WTP Expansion	576.13	454
NTMWD Treatment & Treated Water Distribution Improvements 2060-2070	574.33	455

Project Name	FINAL SCORE FOR PROJECT	Rank
NTWMD - FANNIN COUNTY WATER SUPPLY PROJECT	570.61	456
Fort Worth - 50 MGD WTP Expansion-General 1	562.54	457
Waxahachie - Dredge lake Waxahachie	562.24	458
Weatherford - 14 MGD WTP Expansion	561.91	459
Midlothian - Expand Auger WTP to 32 MGD	560.64	460
Lewisville - 6.5 MGD WTP Expansion	552.66	461
Sherman - 10 MGD WTP Expansion (Desal)-2	548.85	462
Waxahachie - Phase II Delivery Infrastructure to Customers in South Ellis County	544.80	463
Gainesville - Infrastructure to Deliver to Customers	543.35	464
County-Other, Freestone - New Delivery and Treatment Facilities from TRWD	532.67	465
Glenn Heights Additional Delivery Infrastructure from DWU	532.15	466
Ferris - Additional Delivery Infrastructure from Rockett	531.96	467
Gainesville - 5 MGD WTP Expansion 1	520.71	468
Denton - 30 MGD WTP Expansion- Ray Roberts-2	518.98	469
NTMWD - Additional Lake Texoma Blend Phase II	518.02	470
Bridgeport - Expand Capacity of Lake Intake and Pump Station	511.06	471
Black Rock WSC - New Well(s) in Trinity Aquifer	509.85	472
DWU - Neches River Run-of-the-River Diversions	498.15	473
Mansfield - 20 MGD WTP Expansion	486.00	474
NTMWD - Additional Lavon Watershed Reuse	480.97	475
Fort Worth - 50 MGD WTP Expansion-General 2	480.09	476
Weatherford - 18 MGD WTP Expansion	474.86	477
County-Other, Freestone - Additional Delivery Infrastructure from Corsicana	473.01	478
Rockett SUD - 10 MGD WTP Expansion at Sokoll-2	471.98	479
Ovilla - Additional Delivery Infrastructure from DWU	465.81	480
Mabank - 5 MGD WTP Expansion	462.66	481
Pelican Bay - Connect to Azle	461.30	482
Blue Ridge - Increase Delivery Infrastructure from NTWMD-Phase II	461.27	483
Desert WSC - New Well(s) in Woodbine Aquifer	460.67	484
Fort Worth - 50 MGD WTP Expansion-General 3	453.12	485
Ennis - 8 MGD WTP Expansion	450.63	486

Project Name	FINAL SCORE FOR PROJECT	Rank
Navarro Mills WSC - New Well in Woodbine Aquifer Q-168	450.35	487
Corsicana - 8 MGD WTP Expansion, Halbert-Richland Chambers-2	447.46	488
Denison - 10 MGD Desalination WTP Expansion	446.19	489
Walnut Creek SUD - New 7 MGD WTP-Eagle Mountain	445.97	490
Denton - 25 MGD WTP Expansion	440.62	491
Bridgeport - 2 MGD WTP Expansion	431.06	492
DWU - Lake Columbia	424.78	493
Aledo - Parallel Pipeline & Pump Station Expansion from Fort Worth	420.27	494
DWU - Parallel IPL	412.78	495
Wright Patman Reallocation NTMWD, TRWD, and UTRWD	405.59	496
Wright Patman Reallocation NTMWD, TRWD, and UTRWD	405.59	496
Wright Patman Reallocation NTMWD, TRWD, and UTRWD	405.59	496
Fort Worth - 50 MGD WTP Expansion-General 4	394.77	499
Sherman - 10 MGD WTP Expansion (Desal)-3	384.96	500
Waxahachie - 12 MGD WTP Expansion-Howard Road	380.52	501
Ennis - 16 MGD WTP Expansion	375.68	502
Runaway Bay - 3 MGD WTP Expansion-2	363.21	503
Sherman - 20 MGD WTP Expansion (Desal)	362.74	504
Gainesville - 5 MGD WTP Expansion 2	356.96	505
Denton - 20 MGD WTP Expansion	333.48	506
NTMWD - Oklahoma Water	330.25	507
Rockett SUD - 4 MGD WTP Expansion at Sokoll	327.33	508
Pleasant Grove WSC - New Well(s) in Carrizo-Wilcox Aquifer	313.45	509
College Mound - Additional Delivery Infrastructure from Terrell	280.69	510
Bridgeport - 1 MGD WTP Expansion	246.49	511
Bridgeport - 1 MGD WTP Expansion	246.49	513

WMS Project Sponsor	Region	Project Name	Project Sponsor/Entity	Capital Cost	ProjectID	WMS/Project Sponsor/Entity	WMS/Project Sponsor/Entity	WMS/Project Sponsor/Entity	Criteria 1 - Decade of Need for Project		Criteria 2 - Project Feasibility					Criteria 3 - Project Viability					Criteria 4 - Project Sustainability			Criteria 5 - Project Cost Effectiveness		FINAL SCORE FOR PROJECT							
									10	10	20	400	5	5	10	5	25	100	100	10	100	10	5	5	30.00		250.00	10	5	15	150	5	100
									10	10	20	400	5	5	10	5	25	100	100	10	100	10	5	5	30.00		250.00	10	5	15	150	5	100
1099	C	Aledo - Parallel Pipeline & Pump Station Expansion from	ALEDO	\$ 9,382,000	1099	162			2	4	6	120	3	5	1	5	14	56	17.96	1.80	45.16	4.52	5	0	11.31	94.27	10	5	15	150	0	0	420.27
4082	C	Alvord - Connect to West Wide SUD	ALVORD	\$ 6,790,000	4082	171			8	10	18	360	3	0	6	24	56	93.48	9.35	96.38	9.64	5	0	23.99	199.88	10	5	15	150	0	0	733.88	
4012	C	Anna - New Well(s) in Woodbine Aquifer	ANNA	\$ 2,846,000	4012	177			10	10	20	400	3	0	8	16	64	2222.22	10.00	1.78	0.18	5	0	15.18	126.48	10	3	13	130	1	20	740.48	
1101	C	Annetta - Connect to Weatherford	ANNETTA	\$ 3,985,000	1101	178			8	10	18	360	3	0	5	11	44	100.00	10.00	100.00	10.00	5	0	25.00	208.33	10	0	10	100	1	20	733.33	
4013	C	Argyle WSC - New Well(s) in Trinity Aquifer	ARGYLE WSC	\$ 2,955,000	4013	189			10	10	20	400	3	5	8	21	84	100.00	10.00	11.68	1.17	5	0	16.17	134.73	10	3	13	130	1	20	768.13	
3820	C	Arledge Ridge WSC - New Well(s) in Woodbine Aquifer	ARLEDGE RIDGE WSC	\$ 4,537,000	3820	1911			6	8	14	280	3	0	1	5	9	36	2333.33	10.00	104.17	10.00	5	0	25.00	208.33	10	3	13	130	1	20	674.33
1074	C	Athens MVA - New Wells Phase I	ATHENS MUNICIPAL WATER AUTHORITY	\$ 15,151,000	1074	6			6	10	20	400	3	0	5	21	84	100.00	10.00	3.59	0.36	0	5	15.36	127.99	10	3	13	130	2	40	781.99	
3861	C	Athens MVA - New Wells Phase II	ATHENS MUNICIPAL WATER AUTHORITY	\$ 2,573,000	3861	6			10	10	20	400	3	0	5	9	36	100.00	10.00	35.93	3.59	0	5	18.59	154.94	10	5	15	150	2	40	780.94	
1075	C	Athens MVA - WTP Infrastructure Improvements	ATHENS MUNICIPAL WATER AUTHORITY	\$ 65,000	1075	6			10	10	20	400	3	0	5	21	84	100.00	10.00	6.08	0.81	0	5	15.81	131.74	10	3	13	130	5	100	845.74	
489	C	Able - 4 MGD WTP Expansion	ABLE SPRINGS	\$ 25,410,000	489	199			10	10	20	400	3	0	5	21	84	88.89	8.89	95.57	8.57	5	0	23.46	195.46	10	5	15	150	1	20	819.46	
4096	C	B H P WSC - Direct Connection to NTWMD	B H P WSC	\$ 3,108,000	4096	12918			10	10	20	400	3	0	8	16	64	100.00	10.00	99.41	9.94	5	0	24.94	207.84	10	5	15	150	4	80	801.84	
1066	C	Bells - New Well(s) in Woodbine Aquifer	BELLS	\$ 822,000	1066	226			10	10	18	360	3	0	5	11	44	100.00	10.00	10.98	1.10	5	0	16.10	134.15	10	3	13	130	0	0	668.15	
860	C	Benbrook - 3 MGD WTP Expansion	BENBROOK WATER AUTHORITY	\$ 14,102,000	860	230			8	10	18	360	3	0	5	14	56	82.63	8.26	42.41	4.24	5	0	17.50	145.86	10	3	13	130	2	40	731.86	
3819	C	Black Rock WSC - New Well(s) in Trinity Aquifer	BLACK ROCK WSC	\$ 2,259,000	3819	1933			10	10	10	200	3	0	4	16	64	21.62	2.16	77.00	7.70	5	0	14.86	123.85	10	5	15	150	1	20	509.85	
1109	C	Blackland WSC - Direct Connection to NTWMD	BLACKLAND WSC	\$ 6,804,000	1109	246			8	10	18	360	3	0	8	16	64	60.67	6.07	83.33	8.33	5	0	19.40	161.67	10	5	15	150	2	40	775.67	
999	C	Blue Ridge - Connect to and Purchase Water from	BLUE RIDGE	\$ 5,795,000	999	252			8	10	18	360	3	0	10	11	44	197.56	10.00	7.80	0.78	0	0	10.78	89.83	10	5	15	150	1	20	743.83	
1000	C	Blue Ridge - Increase Delivery Infrastructure from NTW	BLUE RIDGE	\$ 6,890,000	1000	252			8	10	14	280	3	0	5	14	56	61.44	6.14	42.90	4.29	0	0	10.43	85.93	10	5	15	150	5	100	629.93	
4074	C	Blue Ridge - Increase Delivery Infrastructure from NTW	BLUE RIDGE	\$ 6,871,000	4074	252			2	4	6	120	3	0	1	5	9	36	23.58	2.36	42.74	4.27	0	0	6.83	55.27	10	5	15	150	5	100	861.27
4099	C	Bois d'Arc MUD - Connect to NTWMD	BOIS D ARC MUD	\$ 4,108,000	4099	12937			10	10	18	360	3	0	10	11	44	88.46	8.85	97.19	9.72	5	0	23.57	196.38	10	5	15	150	4	80	830.38	
4015	C	Bois d'Arc MUD - New Well(s) in Trinity Aquifer	BOIS D ARC MUD	\$ 2,955,000	4015	255			10	10	20	400	3	0	10	16	64	100.00	10.00	25.05	2.51	5	0	17.51	145.88	10	3	13	130	1	20	739.88	
862	C	Bridgeport - 1 MGD WTP Expansion	BRIDGEPORT	\$ 8,651,000	862	272			2	4	2	40	3	0	1	14	56	12.30	1.23	12.30	1.23	0	0	2.46	20.49	10	3	13	130	0	0	246.49	
861	C	Bridgeport - 2 MGD WTP Expansion	BRIDGEPORT	\$ 11,377,000	861	272			4	6	6	120	3	0	1	14	56	42.73	4.27	59.34	5.93	0	0	10.21	85.06	10	5	15	150	1	20	437.06	
1133	C	Bridgeport - Expand Capacity of Lake Intake and Pump	BRIDGEPORT	\$ 1,421,000	1133	272			4	6	6	120	3	0	1	14	56	42.73	4.27	59.34	5.93	0	0	10.21	85.06	10	5	15	150	1	20	511.06	
1116	C	Burleson - Additional Infrastructure from Ft Worth	BURLESON	\$ 4,688,000	1116	291			2	4	10	200	3	0	1	14	56	3.9	0.34	50.75	5.07	5	0	15.41	128.45	10	5	15	150	5	100	634.45	
1110	C	Cash WSC - Additional Delivery Infrastructure from NTW	CASH SUD	\$ 7,888,000	1110	22			10	10	20	400	3	0	8	21	84	28.57	2.86	98.24	9.82	5	0	17.68	147.34	10	5	15	150	4	80	861.34	
1001	C	Celina - Connect to and Purchase Water from NTWMD	CELINA	\$ 17,491,000	1001	309			8	10	18	360	3	0	5	16	64	42.57	4.26	15.56	1.56	5	0	10.81	90.11	10	5	15	150	5	100	764.11	
1134	C	Chico - Additional Delivery Infrastructure from West W	CHICO	\$ 4,422,000	1134	316			6	8	14	280	3	0	1	9	36	21.74	2.17	89.12	8.91	5	0	16.09	134.05	10	5	15	150	4	80	680.05	
1083	C	College Mound - Additional Delivery Infrastructure from	COLLEGE MOUND WSC	\$ 5,078,000	1083	342			2	4	2	40	3	0	0	9	36	7.81	0.78	6.56	0.66	0	0	6.56	54.69	10	5	15	150	0	0	280.69	
2917	C	Conservation, Water Loss Control - Deer Creek	DEER CREEK WSC	\$ 11,079,000	2917	1378			10	10	20	400	3	0	5	23	92	100.00	10.00	100.00	10.00	0	0	20.00	166.67	10	5	10	100	4	5	818.67	
2918	C	Conservation, Water Loss Control - Dogwood Est	DOGWOOD ESTATES WATER	\$ 4,765,000	2918	12881			10	10	20	400	3	0	5	23	92	100.00	10.00	100.00	10.00	0	0	20.00	166.67	10	5	10	100	5	100	858.67	
2951	C	Conservation, Water Loss Control - South Ellis Co	SOUTH ELLIS COUNTY WSC	\$ 14,796,000	2951	13243			10	10	20	400	3	0	5	23	92	100.00	10.00	64.97	6.50	0	0	10.00	83.47	10	5	10	100	4	80	839.47	
832	C	Conservation, Water Loss Control - Ables Springs WSC	ABLES SPRINGS WSC	\$ 14,562,000	832	155			10	10	20	400	3	0	5	23	92	100.00	10.00	2.74	0.27	0	0	10.27	85.62	10	5	10	100	4	80	757.62	
1279	C	Conservation, Water Loss Control - Addison	ADDISON	\$ 1,315,400	1279	157			10	10	20	400	3	0	5	23	92	12.55	1.26	5.68	0.57	0	0	1.82	15.20	10	5	10	100	0	0	607.20	
1280	C	Conservation, Water Loss Control - Aledo	ALEDO	\$ 27,245,000	1280	162			10	10	20	400	3	0	5	23	92	100.00	10.00	6.89	0.68	0	0	10.68	89.00	10	5	10	100	4	80	761.00	
1281	C	Conservation, Water Loss Control - Allen	ALLEN	\$ 1,516,556	1281	199			10	10	20	400	3	0	5	23	92	91.60	9.16	9.48	0.94	0	0	9.48	78.01	10	5	10	100	1	20	711.01	
1282	C	Conservation, Water Loss Control - Alvord	ALVORD	\$ 5,247,000	1282	171			10	10	20	400	3	0	5	23	92	100.00	10.00	2.17	0.22	0	0	2.17	85.14	10	5	10	100	5	100	777.14	
1283	C	Conservation, Water Loss Control - Anna	ANNA	\$ 164,611,000	1283	177			10	10	20	400	3	0	5	23	92	1288.89	10.00	44.65	4.47	0	0	14.47	120.54	10	5	10	100	4	80	792.54	
1284	C	Conservation, Water Loss Control - Annetta	ANNETTA	\$ 11,234,000	1284	178			10	10	20	400	3	0	5	23	92	100.00	10.00	100.00	10.00	0	0	20.00	166.67	10	5	10	100	5	100	858.67	
1288	C	Conservation, Water Loss Control - Argyle WSC	ARGYLE WSC	\$ 310,357,000	1288	189			10	10	20	400	3	0	5	23	92	100.00	10.00	4.72	0.47	0	0	10.4									

Alpha/Unique Identifier	WMS Project Sponsor Region	Project Name	Project Sponsor Entity	Capital Cost	ProjectID	WMS/Project Sponsor/Rate	WMS/Project Sponsor/Rate	Human/Agricultural Conservation?	Conservation/Reuse?	Criteria 1 - Decade of Need for Project				Criteria 2 - Project Feasibility				Criteria 3 - Project Viability				Criteria 4 - Project Sustainability				Criteria 5 - Project Cost Effectiveness		FINAL SCORE FOR PROJECT						
										10	10	20	400	5	5	10	5	25	100	100	10	100	10	5	5	30.00	250.00		10	5	15	150	5	100
										Uniform Standard 1A - What is the decade the RWP shows the project comes online? (2070 = 0 points; 2080 = 2; 2090 = 4; 2040 = 6; 2030 = 8; 2020 = 10)	Uniform Standard 1B - In what decade is initial funding needed? (2070 = 0 points; 2080 = 2; 2090 = 4; 2040 = 6; 2030 = 8; 2020 = 10)	Criteria 1 Total Score	Weighted Criteria 1 Total	Uniform Standard 2A - What supporting data is available to show that the quantity of water needed is available? (Models suggest insufficient quantities of water = 0 points; modeling performed = 0 points; models suggest sufficient quantity of water = 3; field tests, measurements, or project specific studies confirm sufficient quantities of water = 5)	Uniform Standard 2B - If necessary, does the sponsor hold necessary legal rights, water rights and/or contracts to use the water that this project would require? (Legal rights, water rights and/or contract application not submitted = 0 points; application administratively complete = 3; legal rights, water rights and/or contracts obtained or not needed = 5)	Uniform Standard 2C - What level of engineering and/or planning has been accomplished for this project? (Project idea is outlined in RWP = 1 point; feasibility studies initiated = 2; feasibility studies completed = 3; conceptual design initiated = 4; conceptual design completed = 5; preliminary engineering report initiated = 6; preliminary engineering report completed = 7; preliminary design initiated = 8; preliminary design completed = 9; final design complete = 10)	Uniform Standard 2D - Has the project sponsor requested in writing that the project be included in the Regional Water Plan? (No = 0 points; yes = 5)	Criteria 2 Total Score	Weighted Criteria 2 Total	Uniform Standard 3A - In the decade the project supply comes online, what is the % of the WUG's (or WUGs) needs satisfied by this project? (Calculation is based on the needs of all WUGs receiving water from the project.)	Converted Needs-based score for Uniform Standard 3A	Uniform Standard 3B - In the final decade of the planning period, what is the % of the WUG's (or WUGs) needs satisfied by this project? (Calculation is based on the needs of all WUGs receiving water from the project.)	Converted Needs-based score for Uniform Standard 3B	Uniform Standard 3C - Is this project the only economically feasible source of new supply for the WUG, other than conservation? (No = 0 points; Yes = 5)	Uniform Standard 3D - Does this project serve multiple WUGs? (No = 0 points; Yes = 5)	Criteria 3 Total Score	Weighted Criteria 3 Total		Uniform Standard 4A - Over what period of time is this project expected to provide water (regardless of the planning period)? (Less than or equal to 20 yrs = 5 points; greater than 20 yrs = 10)	Uniform Standard 4B - Does the volume of water supplied by the project change over the regional water planning period? (Decreases = 0 points; no change = 3; increases = 5)	Criteria 4 Total Score	Weighted Criteria 4 Total	Uniform Standard 5A - What is the expected unit cost of water supplied by this project compared to the median unit cost of all other recommended strategies in the region's current RWP? (Project's Unit Cost divided by the median project's unit cost) (200% or greater than median = 0 points; 150% to 200% = 1; 101% to 149% = 2; 50% to 100% = 4; 0% to 50% = 5)	Weighted Criteria 5 Total
938	C	Weatherford - 8 MGD WTP Expansion	WEATHERFORD	\$ 47,753,000	938	146			10	10	20	400	3	5	1	5	14	56	1033.18	10.00	18.41	1.84	0	5	16.84	140.34	10	5	15	150	2	40	786.34	
4086	C	Weatherford - Additional Indirect Reuse Phase I	WEATHERFORD	\$ 14,840,000	4086	146	x		10	10	20	400	3	5	1	5	14	56	1033.18	10.00	13.81	1.38	0	5	16.38	136.51	10	3	13	130	4	80	802.51	
4098	C	Weatherford - Additional Indirect Reuse Phase II	WEATHERFORD	\$ 486,000	4098	146	x		8	10	18	360	3	5	1	5	14	56	75.39	7.54	4.60	0.46	0	5	13.00	108.32	10	5	15	150	5	100	774.32	
1108	C	Weatherford - Expand Lake Benbrook Pump Station	WEATHERFORD	\$ 2,299,000	1108	146			10	10	20	400	3	5	1	5	14	56	206.45	10.00	1.84	0.18	0	5	15.18	126.53	10	3	13	130	4	80	792.33	
941	C	West Wise SUD - 1.5 MGD WTP Expansion	WEST WISE SUD	\$ 10,015,000	941	2805			4	6	10	200	3	5	1	5	14	56	58.54	5.85	71.61	7.16	0	5	18.02	150.13	10	5	15	150	1	20	576.13	
3822	C	White Shed WSC - New Well(s) in Woodbine Aquifer	WHITE SHED WSC	\$ 6,299,000	3822	13310			8	10	18	360	3	0	3	0	6	24	84.62	8.46	96.99	9.70	0	0	18.36	151.34	10	5	15	150	2	40	725.34	
1139	C	Willow Park - Connect to Fort Worth	WILLOW PARK	\$ 4,017,000	1139	2458			10	10	20	400	3	5	8	0	16	64	93.37	9.34	96.96	9.70	0	0	19.03	158.61	10	5	15	150	5	100	873.61	
1024	C	Wilmer - Direct connection to Dallas (36" Transmission	WILMER	\$ 18,621,000	1024	2460			10	10	20	400	3	5	1	0	9	36	82.35	8.24	11.65	1.17	0	0	9.40	78.34	10	5	15	150	0	0	664.34	
1025	C	Wilmer - Increase Capacity of Connection with Lancaster	WILMER	\$ 5,280,000	1025	2460			10	10	20	400	3	5	8	0	16	64	87.18	8.72	80.87	8.09	0	0	16.80	140.04	10	5	15	150	4	80	834.04	
943	C	Wise County WSD - 9 MGD WTP Expansion	WISE COUNTY WSD	\$ 3,139,000	943	157			10	10	20	400	3	5	8	0	21	84	77.06	7.71	90.31	9.03	0	5	21.74	181.14	10	5	15	150	2	40	851.14	
3862	C	Wright Patman Reallocation NTMWD, TRWD, and UTRW	NORTH TEXAS MWD	\$ 730,827,000	3862	102			0	6	6	120	5	0	3	0	13	52	13.16	1.32	13.16	1.32	0	5	7.63	63.59	10	3	13	130	2	40	405.59	
3862	C	Wright Patman Reallocation NTMWD, TRWD, and UTRW	TARRANT REGIONAL WD	\$ 765,040,000	3862	129			0	6	6	120	5	0	3	0	13	52	13.16	1.32	13.16	1.32	0	5	7.63	63.59	10	3	13	130	2	40	405.59	
3862	C	Wright Patman Reallocation NTMWD, TRWD, and UTRW	UPPER TRINITY REGIONAL WD	\$ 149,844,000	3862	141			0	6	6	120	5	0	3	0	13	52	13.16	1.32	13.16	1.32	0	5	7.63	63.59	10	3	13	130	2	40	405.59	
1010	C	Wylie Northeast SUD - Additional Delivery Infrastructure	WYLIE NORTHEAST SUD	\$ 5,731,000	1010	2870			8	10	18	360	3	5	8	0	16	64	92.68	9.27	94.59	9.46	0	0	18.73	156.06	10	5	15	150	2	100	830.06	