

**TO:** Board Members

**THROUGH:** Jeff Walker, Executive Administrator  
Todd Chenoweth, General Counsel  
Jessica Zuba, Deputy Executive Administrator, Water Supply & Infrastructure

**FROM:** Kevin Smith, Planner, Regional Water Planning  
Sarah Backhouse, Manager, Regional Water Planning

**DATE:** December 5, 2019

**SUBJECT:** Minor Amendment to the 2016 Region C Regional Water Plan

**ACTION REQUESTED**

Consider approving the adopted minor amendment to the 2016 Region C Regional Water Plan (RWP) and authorizing the Executive Administrator to hold the associated public hearing.

**BACKGROUND**

At its June 24, 2019 meeting, the Region C Regional Water Planning Group (RWPG) approved the City of Springtown’s (City) request for a minor amendment determination from the Executive Administrator (EA) to amend the 2016 Region C RWP to add components and revise the capital cost of the City’s Lake Intake Modification water management strategy project (WMSP). The amendment also updates the name of the WMSP to the Springtown Surface Water Treatment Plant and Supply project.

The City obtained a 2017 State Water Implementation Fund for Texas (SWIFT) commitment to construct two new wells into the Trinity Aquifer. New City administration requested a change to the project scope due to compliance issues at the surface water treatment plant and the City not utilizing full surface water supply available from current take or pay wholesale water contract. A change in scope for component currently included with RWP was approved by the Board at the November 21, 2019 Board meeting. Funding for other projects under the 2017 SWIFT prioritization cycle would not be affected by this change. Approval of this RWP and associated 2017 State Water Plan (SWP) amendment will allow the City to utilize 2017 SWIFT funds for the revised intake components not currently in the plan. The components of the recommended Lake Intake Modification WMSP in the 2016 Region C RWP did not include expansion of the water treatment plant or

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: Jeff Walker, Executive Administrator

booster station improvements. The RWP amendment incorporates these components and associated capital costs into the project. A WMSP with capital costs and all associated components must be in the most-recently adopted RWP and SWP for an entity to be eligible for SWIFT. Springtown will need to request a change of scope from the Board following amendments to the RWP and SWP to incorporate the additional project components in the commitment.

Amendment materials were submitted to the Texas Water Development Board (TWDB) on July 26, 2019. On August 14, 2019, the EA provided a written determination that the proposed project constitutes a minor amendment (Attachment A).

The recommended WMSP constitutes a minor amendment under 31 Texas Administrative Code (TAC) §357.51(c), based on the amendment having met the following criteria:

1. Does not result in over-allocation of an existing or planned source of water.
2. Does not relate to a new reservoir.
3. Does not increase unmet needs or produce new unmet needs in the adopted regional water plan.
4. Does not have a significant effect on instream flows, environmental flows, or freshwater flows to bays and estuaries.
5. Does not have a significant substantive impact on water planning or previously adopted management strategies.
6. Does not delete or change any legal requirements of the plan.

On October 7, 2019, a public meeting was held with a two-week public comment period on the proposed amendment before and after the public meeting. The RWPG adopted the minor amendment on October 7, 2019. No written public comments were received.

The Surface Water Treatment Plant and Supply project has a total capital cost of approximately \$2.4 million and includes improvements to the existing raw water pump station and water treatment plant booster station as well as increasing the water treatment plant treatment capacity from 1.0 MGD to 1.5 MGD. The amendment incorporates additional capital costs but does not change the total strategy supply volume of any related water management strategies.

### **KEY ISSUES**

1. On October 29, 2019, the Region C RWPG submitted the required written documentation of their adopted minor amendment, including an addendum to the 2016 Region C RWP to the TWDB (Attachment B).
2. The EA has reviewed the adopted amendment and determined that the statutory and rule requirements have been met.
3. If approved, an associated amendment to the 2017 SWP will be presented for the Board's consideration following a 30-day notice period and public hearing in accordance with 31 TAC §358.4 (a).

**RECOMMENDATION**

The EA recommends approval of the minor amendment to the 2016 Region C RWP and authorization to hold the associated 2017 SWP public hearing. The recommended project meets the minor amendment criteria in the agency's administrative rules and statute, and the planning group has submitted the required documentation.

Attachments:

- A. August 14, 2019 EA minor amendment determination response letter
- B. Adopted minor amendment documentation, including the addendum to the 2016 Region C RWP

# Texas Water Development Board

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

August 14, 2019

Mr. Kevin Ward, Chair  
Region C Regional Water Planning Group  
c/o Trinity River Authority  
5300 South Collins St.  
Arlington, Texas 76018

Dear Mr. Ward:

I have reviewed Region C's request, and based on the request and supporting materials, I have determined that amending the Region C Regional Water Plan (RWP) to revise the components and capital cost of the City of Springtown Surface Water Treatment Plant and Supply water management strategy project (formerly the Springtown Lake Intake Modifications project) constitutes a minor amendment under 31 Texas Administrative Code (TAC) §357.51(c).

If the Region C Regional Water Planning Group adopts the proposed minor amendment, the planning group will need to:

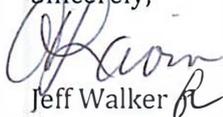
1. provide the Texas Water Development Board (TWDB) with documentation of the planning group action adopting this minor amendment,
2. issue and distribute an addendum to the 2016 Region C RWP updating the plan accordingly,
3. provide the TWDB with updated DB17 data to reflect all the associated changes to the 2016 Region C RWP and the 2017 State Water Plan, and
4. provide the TWDB with an updated recommended project prioritization list.

After receipt of all required information, the Board will consider approving the amendment at a regularly scheduled meeting, and then may amend the 2017 State Water Plan, as appropriate.

If Region C makes any substantive changes to the project components or configuration during the minor amendment process, the TWDB will need to review the modified proposed amendment to ensure that any other changes still meet all of the criteria under 31 TAC §357.51(c).

If you have any questions concerning this approval or its associated requirements, please contact Kevin Smith, Region C Project Manager, at 512-475-1561.

Sincerely,



Jeff Walker  
Executive Administrator

cc: David Miller, City Administrator, City of Springtown  
Kevin Smith, TWDB

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# REGION C WATER PLANNING GROUP

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

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October 23, 2019

Jeff Walker  
Executive Administrator  
Texas Water Development Board  
1700 North Congress  
Austin, Texas 78711-3231

RECEIVED  
OCT 29 2019

Texas Water Development Board

Re: Region C Approval of City of Springtown Amendment to 2016 Region C Plan

Dear Mr. Walker:

The City of Springtown has been pursuing a minor amendment to the *2016 Region C Water Plan*, to include a Water Treatment Plant Expansion/Upgrade and Pump Station Improvements with their existing Water Management Strategy titled "*Infrastructure needs (Lake intake modifications for lower lake levels)*". On June 24, 2019 the RCWPG voted to support Springtown's efforts to pursue this amendment. Subsequently TWDB determined the amendment to be a Minor Amendment, meeting the criteria of a minor amendment per TAC Chapter 357.51(c)(2).

On October 7, 2019 the RCWPG voted to approve Springtown's Minor Amendment to the *2016 Region C Water Plan*. Included in this submittal is the RCWPG-approved document entitled "City of Springtown, Minor Amendment to the 2016 Region C Water Plan." This document was posted 14 days prior to the October 7, 2019 meeting. Notice was posted 14 days prior to that meeting with instructions on where to find the document and how to submit comments up to 14 days after the meeting. No comments were received on this item. We ask that TWDB consider this amendment to the 2017 State Water Plan.

Please contact me if you have any questions regarding our request.

Sincerely,

Kevin Ward  
Chair, Region C Water Planning Group

C: Tom Kula, Region C Secretary  
Kevin Smith, TWDB Project Manager  
Amy Kaarlela, Freese and Nichols, Inc.

c/o TRA

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# City of Springtown, Minor Amendment to the *2016 Region C Water Plan*

## Table of Contents

<b>1.0 Rules and Guidance .....</b>	<b>2</b>
1.1 Texas Administrative Code 357.51(c).....	2
1.2 TWDB External Amendment Guidance, Minor Amendment .....	2
<b>2.0 Cover letter from the RWPG and Summary of the RWPG action taken .....</b>	<b>4</b>
<b>3.0 Evidence that the WMS for the minor amendment meets the criteria as listed in Texas Administrative Code 357.51(c)(2).....</b>	<b>5</b>
<b>4.0 Full Evaluation of the Water Management Strategy.....</b>	<b>6</b>
4.1 Description .....	6
4.2 Evaluation.....	6
4.3 Changes to Text and Tables from the <i>2016 Region C Water Plan</i> .....	7
<b>5.0 Required regional water planning database (DB17) updates .....</b>	<b>18</b>
<b>6.0 Adoption and Public Participation Process .....</b>	<b>18</b>
<b>7.0 Prioritization.....</b>	<b>19</b>

## **1.0 Rules and Guidance**

### **1.1 Texas Administrative Code 357.51(c)**

The following text was taken directly from the Texas Administrative Code 357.51(c).

“(c) Minor Amendments to RWPs and State Water Plan.

(1) Minor Amendment to RWP. A RWPG may amend its RWP by first providing a copy of the proposed amendment to the EA for a determination as to whether the amendment would be minor.

(2) EA Pre-Adoption Review. The EA shall evaluate the proposed minor amendment prior to the RWPG's vote to adopt the amendment. An amendment is minor if it meets the following criteria:

(A) does not result in over-allocation of an existing or planned source of water;

(B) does not relate to a new reservoir;

(C) does not have a significant effect on instream flows, environmental flows or freshwater flows to bays and estuaries;

(D) does not have a significant substantive impact on water planning or previously adopted management strategies; and

(E) does not delete or change any legal requirements of the plan.

(3) Determination by EA. If the EA determines that the proposed amendment is minor, EA shall notify, in writing, the RWPG as soon as practicable.

(4) RWPG Public Meeting. After receipt of the written determination from the EA, the RWPG shall conduct a public meeting in accordance with §357.21(c) of this title. The public shall have an opportunity to comment and the RWPG shall amend the proposed minor amendment based on public comments, as appropriate, and to comply with existing statutes and rules related to regional water planning responses.

(5) Board Approval of Minor Amendment. After adoption of the minor amendment, the RWPG shall submit the amendment to the Board which shall approve the amendment at its next regularly scheduled meeting unless the amendment contradicts or is in substantial conflict with statutes and rules relating to regional water planning.”

### **1.2 TWDB External Amendment Guidance, Minor Amendment**

The following text was taken directly from the TWDB document “External Amendment Guidance”.

“The process for a minor amendment to a regional water plan is described in 31 TAC Ch. 357.51(c) and has significantly less notice requirements than a full regional plan amendment carried out under 31 TAC Ch. 357.51(b), however, the amendment must meet certain criteria. These include:

(1) does not result in overallocation of an existing or planned source of water;

(2) does not relate to a new reservoir;

(3) does not have a significant effect on instream flows, environmental flows or freshwater flows to bays and estuaries;

(4) does not have a significant substantive impact on water planning or previously adopted management strategies; and

(5) does not delete or change any legal requirements of the plan.

Steps to conduct a minor amendment to the plan are as follows:

A. The entity proposing a revision to the regional water plan requests an agenda item on the RWPG's agenda for consideration of the minor amendment. Such consideration would be a posted agenda item for RWPG action at a regularly-posted public RWPG meeting. If the RWPG supports the minor amendment, the RWPG will submit a request for a minor amendment determination to the TWDB EA for approval (required in all cases).

**B. Materials to submit to the EA include:**

- a cover letter from the RWPG requesting a determination on the minor amendment and stating the need for the minor amendment;
- a summary of the RWPG action taken;
- evidence that the WMS for the minor amendment meets the criteria listed in 31 TAC Ch. 357.51(c)(2);
- information to demonstrate that the WMS has been fully evaluated in accordance with statute, rule, and contractual technical guidelines; and,
- all relevant data in the regional water planning database that would require updates in the Source module, WMS module, WUG module, or WWP module, such as source availability, water supplies (for a WUG or a WWP) or WMS (for a WUG or a WWP). Data requirements vary on a case-by-case basis. (The project manager shall coordinate with applicant and region to work with the WSSA Team. The project manager should submit data to the WSSA Team Lead via email to initiate amendment analysis and allow at least 2 weeks for the internal analysis to occur.)

**C. TWDB staff performs an internal analysis including, but not limited to: a water supply over-allocation analysis; identification of potential inter-regional conflicts; and confirmation that no new unmet needs result from the amendment.**

**D. TWDB staff prepares an internal memo to the EA considering the proposed amendment to the regional plan in the context of the associated rule requirements (e.g. 31 TAC 357.51(c)); draft memo to include recommendation on a determination, and an attached signature-ready letter in accordance with the staff recommendation. A memo template is included as part of this WPD.**

**E. Within 30 days of receipt of all required information, the EA will issue a response letter to the RWPG Chair, applicant, and political subdivision with the EA's determination of whether or not the amendment is considered minor.**

**F. After receipt of the EA's determination that the amendment qualifies as minor, the RWPG shall conduct a public meeting subject to the Open Meetings Act with at least two weeks notice prior to the public meeting. The public shall have an opportunity to comment at the meeting and the RWPG shall revise the proposed minor amendment, if necessary [31 TAC Ch. 357.21(c)(4)] and, if appropriate, adopt the minor amendment. Significant modifications to minor amendments would require additional TWDB review.**

**G. After adoption of the minor amendment, the RWPG shall submit written documentation of the amendment, including an addendum to the current regional water plan. The board shall approve the amendment at its next regularly scheduled meeting per 31 TAC Ch.357.51 (c)(5).**

**H. The TWDB will then amend the state water plan as appropriate.**

**I. If the minor amendment is denied by the EA, the RWPG may choose to proceed with a full amendment process as appropriate. Consideration to approve such an action would need to be posted as an agenda item at a regular RWPG meeting. Alternatively, the RWPG could approve in the same motion as pursuing the minor amendment for the entity to proceed with a full amendment should the EA conclude the change does not qualify for a minor amendment. "**

## 2.0 Cover letter from the RWPG and Summary of the RWPG action taken

### REGION C WATER PLANNING GROUP

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

#### Board Members

Kevin Ward, Chair  
Russell Laughlin, Vice-Chair  
Tom Kula, Secretary  
David Butler  
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G. K. Muenias  
Steve Mundt  
Bob Riley  
Drew Satterwhite  
Rick Shaffer  
Gary Spicer  
Cannie Stauderdae  
Jack Stevens  
Richard Wagner  
Dr. Tom Woodward

June 24, 2019

Jeff Walker  
Executive Administrator  
Texas Water Development Board  
1700 North Congress  
Austin, Texas 78711-3231

Re: Region C Support of City of Springtown Amendment Pursuit

Dear Mr. Walker:

The City of Springtown is currently pursuing an amendment to the 2016 *Region C Water Plan*, to include a Water Treatment Plant Expansion/Upgrade and Pump Station Improvements with their existing Water Management Strategy titled "*Infrastructure needs (Lake intake modifications for lower lake levels)*". The City's engineer made a presentation to the Region C Water Planning Group at the June 24, 2019 RCWPG meeting, and the RCWPG voted to support Springtown's efforts to pursue this amendment.

We believe that this amendment meets the criteria of a minor amendment per TAC Chapter 357.51(c)(2), and that there is a need for this amendment to enable Springtown to apply for and receive SWIFT funding. With this letter, the RCWPG is formally requesting that TWDB make a "Minor Amendment Determination" on this proposed amendment for Springtown. Included with this letter is detailed information about this proposed amendment as provided by the City's Engineer and as outlined in TWDB guidance for Minor Amendments.

Please contact me if you have any questions regarding our request.

Sincerely,



Kevin Ward  
Chair, Region C Water Planning Group

c/o TRA  
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C: Tom Kula, Region C Secretary  
Kevin Smith, TWDB Project Manager  
Amy Kaarlela, Freese and Nichols, Inc.

### **3.0 Evidence that the WMS for the minor amendment meets the criteria as listed in Texas Administrative Code 357.51(c)(2)**

<b>Criteria listed in TAC 357.51(c)(2)</b>	<b>Evidence</b>
Does not result in over-allocation of an existing or planned source of water Does not relate to a new reservoir	This amendment does not change the volume of supply from the 2016 Region C Water Plan. This infrastructure strategy is not related to a new reservoir
Does not have a significant effect on instream flows, environmental flows or freshwater flows to bays and estuaries	This amendment does not change the volume of supply from the 2016 Region C Water Plan. This strategy relates to use from an existing source of supply and does not have any effect on instream flows, environmental flows or freshwater flows to bays and estuaries
Does not have a significant substantive impact on water planning or previously adopted management strategies	This amendment does not change the volume of supply from the 2016 Region C Water Plan. This strategy does not have any impact on water planning, and only affects the previously adopted Strategy for Springtown by adding water treatment plant infrastructure. No other previously adopted strategies are impacted.
Does not delete or change any legal requirements of the plan	This strategy does not affect any legal requirements of the regional plan

## **4.0 Full Evaluation of the Water Management Strategy**

### **4.1 Description**

Springtown is a city of about 2,700 people located in northern Parker County. The city gets its current water supply from wells in the Trinity aquifer and its own water treatment plant (using raw water purchased from TRWD). In the *2016 Region C Water Plan*, water management strategies for Springtown include conservation, additional water from the Trinity aquifer (new wells), and additional raw water from TRWD with Infrastructure needs (improvements to the lake intake structure).

The amendment requested here is to include the addition of a Water Treatment Plant Expansion (0.5 MGD) to the Infrastructure needs (described in detail in the following paragraph). Revised Table 5D.296 shows the projected population and demand, the current supplies, and the water management strategies for Springtown, with the revised title of the Infrastructure needs strategy. This amendment does not change the volume of the strategy because the strategy volume was dependent on the existing supplies volume from TRWD, which was constrained by TRWD's existing supply limitations, not by Springtown's existing infrastructure limitations.

The City of Springtown "Surface Water Treatment Plant & Supply Project" includes several major elements. The first is improvements to the existing Raw Water Pump Station, including new pumps, piping, modifications to the pump building along with appropriate electrical improvements. [Note: although it has been renamed, this Raw Water Pump Station was the original portion of the strategy that was in the 2016 Region C Water Plan.] The second is improvements to The Surface Water Treatment Plant Booster Station including the addition of a Motor Control Center and new pumps. The final element is an additional Trident Water Treatment module that increases the overall capacity of the Surface Water Treatment Plant to 1.5 MGD. The Engineer's Preliminary Opinion of Probable Construction Cost is \$2,600,000 in current dollars. Cost in 2013 dollars is \$2,438,500. Previous cost in 2016 Region C Water Plan was \$280,800. Amendment makes an increase in total capital costs of \$2,158,300.

### **4.2 Evaluation**

#### **QUANTITY AND RELIABILITY**

The City currently has a take or pay contract with Tarrant Regional Water District (TRWD) for 1,345 acre-feet/year. The quantity of this strategy is not being amended, so as in the 2016 Region C Plan, this quantity remains reliable.

**FINANCIAL COST**

<b>WUG</b>	<b>Strategy</b>	<b>Implemented by</b>	<b>Quantity (Ac-Ft/Yr)</b>	<b>Capital Costs</b>	<b>UC- With Debt Service</b>	<b>IC- Without Debt Service</b>	<b>Table for Details</b>
Springtown	Surface Water Treatment Plant & Supply Project	2020	244	\$2,438,500	\$3.16	\$0.64	Q-175

**ENVIRONMENTAL IMPACTS AND LIMITATIONS ON WMS**

This strategy does not affect environmental and cultural resources including impacts to environmental water needs, wildlife habitats, and cultural resources. It has been confirmed by the Project Design Engineer that there are no required permits. No impact to agricultural resources.

**ALLOCATING WMS SUPPLIES**

The future availability shall be allocated to the WWP/WUG and then its customers.

**RECOMMENDED AND ALTERNATIVE WATER MANAGEMENT STRATEGIES**

This strategy was evaluated in accordance with the methodology outline in the 2016 Region C Water Plan, Appendix P, specifically pages P.25 through P.30.

**4.3 Changes to Text and Tables from the 2016 Region C Water Plan**

The pages that follow contain updated text and tables from the *2016 Region C Water Plan*. Below is a list of items presenting on the following pages. The portions of the text or table that have been updated are highlighted in yellow.

- Executive Summary, Table ES.2, Page ES.11, Total Cost of strategies
- Executive Summary, Table ES.3, Page ES.20, Parker County Strategies, Springtown
- Chapter 5D, Page 5D.306, Description of Springtown
- Chapter 5D, Table 5D-296
- Chapter 5D, Table 5D-298
- Chapter 5D, Table 5D-299
- Appendix C, Table C-293
- Appendix P, Page P.28, Parker County Strategies, Springtown
- Appendix Q, Table Q-175, Cost Estimate

<b>Table ES.2</b>					
<b>2070 Supplies for the Largest Wholesale Providers and for Region C</b>					
<b>Wholesale Water Provider</b>	<b>Supplies Available in 2070 from Current Sources<sup>(a)</sup></b>	<b>Supplies Available in 2070 from New Strategies<sup>(a)</sup></b>	<b>Total Supplies Available in 2070<sup>(a)</sup></b>	<b>% of Total Supply from Conservation and Reuse</b>	<b>Cost of Strategies (Millions)</b>
Dallas Water Utilities	506,363	414,323	920,686	31.9%	\$4,265
Tarrant Regional Water District	489,024	483,702	972,726	23.4%	\$5,620
North Texas Municipal Water District	383,146	580,122	963,268	20.6%	\$8,209
City of Fort Worth	282,992	257,766	540,757	26.1%	\$1,198
Trinity River Authority	114,996	142,426	257,422	42.8%	\$81
Upper Trinity Regional Water District	41,002	130,566	171,568	26.9%	\$1,325
Greater Texoma Utility Authority	23,333	69,837	93,170	10.0%	\$240
<b>Total for Region C<sup>(b)</sup></b>	<b>1,631,508</b>	<b>1,795,148</b>	<b>3,426,656</b>		<b>\$23,642</b>
<b>Total Demand in Region C</b>			<b>2,939,880</b>		
<b>Management Supply Factor</b>			<b>1.166</b>		
Notes:					
(a) Current sources include only those that area connected. Some supplies are used by more than one supplier. For example, TRWD supplies water to TRA and Fort Worth, DWU supplies water to UTRWD, etc.					
(b) Total for Region C is not a sum of the numbers above. It includes other providers as well. Some supplies serve multiple suppliers.					

**Table ES.3**  
**Summary of Recommended Strategies - Region C WWPs and WUGs\***

*\*values shown in gray italics are infrastructure projects to utilize the supply volumes from other strategies*

Entity	Recommended Strategy	Capital Cost	Cost Table	First Decade of Water Strategy	First Decade Water Supply Volume (acre-foot/year)	First Decade Estimated Annual Average Unit Cost (\$/acre-foot/year)	Year 2070 Water Supply Volume (acre-foot/year)	Year 2070 Estimated Annual Average Unit Cost (\$/acre-foot/year)	Year 2020 Water Supply Volume (acre-foot/year)	Year 2030 Water Supply Volume (acre-foot/year)	Year 2040 Water Supply Volume (acre-foot/year)	Year 2050 Water Supply Volume (acre-foot/year)	Year 2060 Water Supply Volume (acre-foot/year)	Year 2070 Water Supply Volume (acre-foot/year)
<b>Parker County</b>														
Aledo	Parallel pipeline and pump station from Fort Worth	\$7,710,500	Q-169	2040	107	\$2,665	159	\$336	0	0	67	164	277	269
Annetta	Connect to Weatherford (TRWD)	\$2,077,600	Q-171	2030	16	\$2,216	190	\$1,326	0	25	28	35	90	196
Annetta North	Connect to Weatherford (TRWD)	\$59,400	Q-171	2040	9	\$1,395	20	\$1,264	0	0	7	16	25	38
Annetta South	Connect to Weatherford (TRWD)	\$1,183,300	Q-171	2040	1	\$6,136	27	\$1,636	0	0	5	10	16	22
Cresson*	New wells in Trinity Aquifer	\$917,300	Q-170	2020	113	\$941	113	\$259	113	113	113	113	113	113
Parker County Other	Water Treatment Plant and Transmission Facilities	\$116,775,000	Q-174	2060	1,570	\$1,668	1,910	\$1,668	0	0	0	0	3,635	9,618
Parker County Other	New wells in Trinity Aquifer	\$1,448,000	Q-173	2020	200	\$849	200	\$244	200	200	200	200	200	200
Parker County SUD*	Additional BRA with 1 MGD Treatment Plant Expansion	\$6,776,000	Q-113	2020	540	\$1,499	540	\$450	540	540	540	540	540	540
Parker County SUD*	Additional Groundwater (new wells in Trinity aquifer)	\$3,850,000	Q-172	2060	513	\$881	513	\$881	0	0	0	0	513	513
Springtown	Infrastructure needs (Surface Water Treatment Plant & Supply Project)	\$2,438,500	Q-175	2020	67	\$1,030	190	\$210	67	244	237	230	227	236
Springtown	New wells in Trinity Aquifer	\$998,400	Q-176	2020	70	\$1,566	70	\$366	70	70	70	70	70	70
Willow Park	Connect to Weatherford (TRWD) Phase 1	\$588,100	Q-171	2030	17	\$1,444	197	\$1,284	0	137	306	206	1,135	1,562

Springtown is a city of about 2,700 people located in northern Parker County. The city gets its current water supply from wells in the Trinity aquifer and its own water treatment plant (using raw water purchased from TRWD). Water management strategies for Springtown include conservation, additional water from the Trinity aquifer (new wells), and additional raw water from TRWD with infrastructure improvements, Surface Water Treatment Plant & Supply Project. ~~lake intake structure due to potentially lower lake levels.~~ Table 5D.296 shows the projected population and demand, the current supplies, and the water management strategies for Springtown.

Chapter 5D, Table 5D-296

**Table 5D-296  
Springtown**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
<b>Projected Population</b>	<b>4,079</b>	<b>5,500</b>	<b>5,500</b>	<b>5,500</b>	<b>5,500</b>	<b>5,500</b>
<b>Projected Water Demand</b>						
Municipal Demand	577	757	749	745	744	743
<b>Total Projected Demand</b>	<b>577</b>	<b>757</b>	<b>749</b>	<b>745</b>	<b>744</b>	<b>743</b>
<b>Currently Available Water Supplies</b>						
Trinity Aquifer	95	95	95	95	95	95
Tarrant Regional Water District	340	340	340	340	340	327
<b>Total Current Supplies</b>	<b>435</b>	<b>435</b>	<b>435</b>	<b>435</b>	<b>435</b>	<b>422</b>
<b>Need (Demand - Current Supply)</b>	<b>142</b>	<b>322</b>	<b>314</b>	<b>310</b>	<b>309</b>	<b>321</b>
<b>Water Management Strategies</b>						
Water Conservation	5	8	7	10	12	15
Trinity Aquifer - new wells	70	70	70	70	70	70
Additional Water from TRWD	67	244	237	230	227	236
<i>Infrastructure needs (Surface Water Treatment Plant &amp; Supply Project)</i>	67	244	237	230	227	236
<b>Total Water Management Strategies</b>	<b>142</b>	<b>322</b>	<b>314</b>	<b>310</b>	<b>309</b>	<b>321</b>
<b>Springtown Reserve (Shortage)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Table 5D.1  
Costs for Recommended Water Management Strategies for Parker County  
Not Covered Under Wholesale Water Providers**

Water User Group	Strategy	Implemented by:	Quantity ** (Ac-Ft/Yr)	Capital Costs	Unit Cost (\$/1000 gal)		Table for Details
					With Debt Service	After Debt Service	
Aledo	Conservation	2020	40	\$21,877	\$0.80	\$0.00	Q-10
	Fort Worth (TRWD)	2020	919	\$0	\$1.96	\$1.96	None
	<i>Parallel pipeline and pump station from Fort Worth</i>	2040	277	\$7,710,500	\$8.18	\$1.03	Q-169
Annetta	Conservation	2020	6	\$2,716	\$0.70	\$0.00	Q-10
	Connect to Weatherford (TRWD)	2030	196	\$2,077,600	\$6.80	\$4.07	Q-171
Annetta North	Conservation	2020	2	\$1,136	\$0.29	\$0.00	Q-10
	Connect to Weatherford (TRWD)	2040	38	\$59,400	\$4.28	\$3.88	Q-171
Annetta South	Conservation	2020	1	\$1,026	\$0.26	\$0.00	Q-10
	Connect to Weatherford (TRWD)	2040	22	\$1,183,300	\$18.83	\$5.02	Q-171
Azle*	Conservation	See Tarrant County.					
	Additional TRWD	See Tarrant County.					
	Water treatment plant expansion	See Tarrant County.					
Cresson*	Conservation	2020	2	\$5,210	\$1.34	\$0.00	Q-10
	New wells in Trinity Aquifer	2020	113	\$917,300	\$2.89	\$0.79	Q-170
Fort Worth*	Conservation	See Tarrant County.					
	Other Measures	See Fort Worth in Section 5C.					

Water User Group	Strategy	Implemented by:	Quantity ** (Ac-Ft/Yr)	Capital Costs	Unit Cost (\$/1000 gal)		Table for Details
					With Debt Service	After Debt Service	
Hudson Oaks	Conservation	2020	36	\$18,908	\$3.45	\$1.29	Q-10
	Additional Weatherford	2050	192	\$0	\$3.78	\$3.78	None
Mineral Wells*	Conservation	2020	6	\$13,723	\$3.37	\$0.00	Q-10
Parker County Other	Conservation	2020	441	\$179,036	\$0.78	\$0.00	Q-10
	Additional Weatherford	2050	3,978	\$0	\$3.78	\$3.78	None
	Additional Walnut Creek SUD	2030	364	\$0	\$5.25	\$5.25	None
	Supply from TRWD	2060	9,618	\$0	\$0.97	\$0.97	None
	<i>Water Treatment Plant and Transmission Facilities</i>	2060	9,618	\$116,775,000	\$5.12	\$2.01	Q-174
	New wells in Trinity Aquifer	2020	200	\$1,448,000	\$2.61	\$0.75	Q-173
Parker County SUD*	Conservation	2020	40	\$35,633	\$1.83	\$0.00	Q-10
	Additional BRA with 1 MGD Treatment Plant Expansion	2020	540	\$6,776,000	\$4.60	\$1.38	Q-13
	Additional Groundwater (new wells in Trinity aquifer)	2020	513	\$3,860,000	\$2.70	\$0.77	Q-172
Reno	Conservation	2020	4	\$1,404	\$0.36	\$0.00	Q-10
	Additional Walnut Creek SUD	2040	24	\$0	\$5.25	\$5.25	None
Springtown	Conservation	2020	15	\$6,872	\$0.35	\$0.00	Q-10
	Additional TRWD	2020	244	\$0	\$0.97	\$0.97	None
	<i>Infrastructure needs (Surface Water Treatment Plant &amp; Supply Project)</i>	2020	244	\$2,438,500	\$3.16	\$0.64	Q-175
	New wells in Trinity Aquifer	2020	70	\$998,400	\$4.81	\$1.12	Q-176
Walnut Creek SUD*	Conservation	2020	117	\$75,798	\$1.30	\$0.00	Q-10
	Other Measures	See Walnut Creek SUD in Section 5C.2.					

Water User Group	Strategy	Implemented by:	Quantity ** (Ac-Ft/Yr)	Capital Costs	Unit Cost (\$/1000 gal)		Table for Details
					With Debt Service	After Debt Service	
Weatherford	Conservation	2020	1,756	\$3,295,000	\$10.25	\$1.29	Q-10
	Other Measures	See Weatherford in Section 5C.2.					
Willow Park	Conservation	2020	47	\$40,117	\$1.72	\$0.00	Q-10
	Supply from Weatherford	2030	1,562	\$0	\$3.78	\$3.78	None
	Connect to Weatherford (TRWD) – Phase I	2030	306	\$588,100	\$4.43	\$3.94	Q-171
Parker County Irrigation	None	N/A	N/A	N/A	N/A	N/A	N/A
Parker County Livestock	None	N/A	N/A	N/A	N/A	N/A	N/A
Parker County Manufacturing	Conservation	2030	31	\$0	\$0.95	\$0.95	Q-11
	Additional Weatherford	2030	634	\$0	\$3.78	\$3.78	None
	Additional Walnut Creek SUD	2030	87	\$0	\$5.25	\$5.25	None
Parker County Mining	None	N/A	N/A	N/A	N/A	N/A	N/A
Parker County Steam Electric	Additional Weatherford	2050	88	\$0	\$1.89	\$1.89	None

Notes: Water User Groups marked with an \* extend into more than one county.

\*\*Quantities listed are for the WUG only. They do not include the WUG's customers.

**Table 5D.2  
Summary of Recommended Water Management Strategies for Parker County Not Covered  
Under Wholesale Water Providers**

<b>Type of Strategy</b>	<b>Quantity (Ac-Ft/Yr)</b>	<b>Capital Costs</b>
Conservation*	2,544	\$3,698,456
Purchase from WWP	17,965	\$3,320,300
<i>Delivery infrastructure</i>	827	<b>\$8,298,600</b>
<i>Treatment plants</i>	10,158	<b>\$125,989,500</b>
Groundwater	896	\$7,223,700
<b>Total</b>		<b>\$148,530,556</b>

\* The conservation quantities represent the sum of the individual water user groups that have the majority of their service area located in this county, not the total conservation in the county.

**Table C-293**  
**Springtown**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
<b>Projected Population</b>	<b>4,079</b>	<b>5,500</b>	<b>5,500</b>	<b>5,500</b>	<b>5,500</b>	<b>5,500</b>
<b>Projected Water Demand</b>						
Municipal Demand	577	757	749	745	744	743
<b>Total Projected Demand</b>	<b>577</b>	<b>757</b>	<b>749</b>	<b>745</b>	<b>744</b>	<b>743</b>
<b>Currently Available Water Supplies</b>						
Trinity Aquifer	95	95	95	95	95	95
Tarrant Regional Water District	340	340	340	340	340	327
<b>Total Current Supplies</b>	<b>435</b>	<b>435</b>	<b>435</b>	<b>435</b>	<b>435</b>	<b>422</b>
<b>Need (Demand - Current Supply)</b>	<b>142</b>	<b>322</b>	<b>314</b>	<b>310</b>	<b>309</b>	<b>321</b>
<b>Water Management Strategies</b>						
Water Conservation	5	8	7	10	12	15
Trinity Aquifer - new wells	70	70	70	70	70	70
Additional Water from TRWD	67	244	237	230	227	236
<i>Infrastructure needs (Surface Water Treatment Plant &amp; Supply Project)</i>	67	244	237	230	227	236
<b>Total Water Management Strategies</b>	<b>142</b>	<b>322</b>	<b>314</b>	<b>310</b>	<b>309</b>	<b>321</b>
<b>Springtown Reserve (Shortage)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Appendix P, Table from Page P.28 (Only Showing Parker County strategies)

Entity	Recommended Strategy	Capital Cost	Cost Estimate Number	First Decade of Water Strategy	First Decade Water Supply Volume (acre-feet/year)	First Decade Estimated Annual Average Unit Cost (\$/acre-foot/year)	Year 2070 Water Supply Volume (acre-feet/year)	Year 2070 Estimated Annual Average Unit Cost (\$/acre-foot/year)
<b>Parker County</b>								
Aledo	Parallel pipeline and pump station from Fort Worth	\$7,710,500	Q-169	2040	67	\$2,664	269	\$336
Annetta	Connect to Weatherford (TRWD)	\$2,077,600	Q-171	2030	25	\$2,216	196	\$1,326
Annetta North	Connect to Weatherford (TRWD)	\$59,400	Q-171	2040	7	\$1,395	38	\$1,264
Annetta South	Connect to Weatherford (TRWD)	\$1,183,300	Q-171	2040	5	\$6,136	22	\$1,636
Springtown	Infrastructure needs (Surface Water Treatment Plant & Supply Project)	\$2,438,500	Q-175	2020	67	\$1,030	236	\$210
Willow Park	Connect to Weatherford (TRWD)	\$588,100	Q-171	2030	137	\$1,444	1,562	\$1,284

**Table Q-175**  
**Springtown - Infrastructure needs**  
**(Surface Water Treatment Plant & Supply Project)**

Owner: Springtown  
Amount: 244 Ac-Ft/Yr

<b>CAPITAL COSTS</b>	Size	Quantity	Unit	Unit Price	Cost
Raw Water Station		1	LS	\$457,808	\$457,808
Water Treatment Plant Expansion (0.5 MGD) and upgrade	0.5	MGD	LS	\$1,313,895	\$1,313,895
<b>Subtotal</b>					<b>\$1,771,704</b>
Engineering and Contingencies (35%)					\$620,096
<b>Subtotal</b>					<b>\$2,391,800</b>
Permitting and Mitigation					\$5,000
<b>Capital Cost Total</b>					<b>\$2,396,796</b>
Interest During Construction					\$41,704
<b>TOTAL COST</b>					<b>\$2,438,500</b>
Annual Cost					
Debt Service (5.5% for 20 years)					\$200,152
Operation and Maintenance					\$51,209
<b>Total Annual Costs</b>					<b>\$251,391</b>
<b>Unit Costs (During Amortization)</b>					
Cost per ac-ft					\$1,030
Cost per 1000 gallons					\$3.16
<b>Unit Costs (After Amortization)</b>					
Cost per ac-ft					\$210
Cost per 1000 gallons					\$0.64

## 5.0 Required regional water planning database (DB17) updates

See tables below. Consultants will continue to coordinate with TWDB on updates to Capital Cost, Unit Costs, and Project Description for DB17. Changes to DB17 include updated the project name, project description, capital costs, and removed relation of project to “Springtown New Wells in Trinity Aquifer” WMS. It was verified that no supply increase would occur due to plant upgrades, so supply numbers were unchanged. Unit costs also were unchanged since they reflect WMS costs (not project costs).

WMS Project Id	WMS Project Name	Project Sponsor Region	Project Online Decade	Latitude	Longitude	Project Sponsor	Project Capital Cost	Term of Debt Service	First Year Funding Required	Project Component
1105	Springtown - Surface Water Treatment Plant & Supply Project Q-175	C	2020	32.9490196	97.5184236	SPRINGTOWN	\$ 2,438,500	20	2020	Water Treatment Plant Expansion, Pump Station, Surface Water Intake

## 6.0 Adoption and Public Participation Process

This section documents the Adoption Process and the Public Participation Process for this Minor Amendment.

### Adoption Timeline

June 24, 2019 – City of Springtown representative made a presentation to Region C Water Planning Group (RCWPG) at public meeting. The RCWPG voted to support Springtown’s efforts to pursue a minor amendment; and RCWPG authorized submittal of a Request for Minor Amendment Determination to TWDB Executive Administrator (EA).

July 31, 2019– Region C Consultants submitted the proposed Springtown Minor Amendment packet to TWDB for Minor Amendment Determination. This request letter can be found in Section 2.0 of this document.

August 14, 2019 – TWDB sent notice to RCWPG that Springtown’s proposed amendment constituted a minor amendment under 31 TAC 357.51(c) and was therefore subject to the rules related to a Minor Amendment. TWDB’s response letter can be found on page 19 of this document.

September 23, 2019 – Region C political subdivision (Trinity River Authority) posted notice of the October 7, 2019 meeting at which the Springtown Minor Amendment would be considered for adoption by the RCWPG. This notice fulfilled the 14-day notice requirement and contained links to the website where the amendment document was posted as well as information regarding opportunity for public

comment. The public comment period was prior to and 14 days following the October 7, 2019 meeting. A copy of this public notice can be found on pages 20 through 22 of this document.

October 7, 2019 – The RCWPG voted at a public meeting to adopt Springtown’s Minor Amendment as part of the *2016 Region C Water Plan*. An opportunity for public comment was provided at the meeting and no comments were made. It was also announced that written comments would be accepted by TRA during the next 14 days.

October 22, 2019 – Public comment period is closed. No public comments were received.

October 23, 2019 – Final, Adopted Minor Amendment document was transmitted to TWDB.

### **Public Comments**

No public comments were received related to Springtown’s Minor Amendment.

## **7.0 Prioritization**

With the submission of the *2016 Region C Water Plan*, Region C also submitted a prioritization list of all projects scored and ranked according to TWDB guidelines. As part of this amendment, the Springtown project was re-scored and ranked. The updated Excel spreadsheet with the Project Scoring and Project Ranking Sheet will be submitted to TWDB with this Amendment. A table with the updated Project Ranking is at the end of this document.

The increased unit cost of Springtown’s project caused a deduction of 80 points in Standard 5A (comparison of the unit cost to the median unit costs of all projects), resulting in a new final score of 754.58 (from the previous 834.58). This cause the project’s overall ranking to drop from #98 to #222.

The median unit cost of all projects changed slightly (from \$639 to because \$640) due to the increased unit cost of the Springtown project. Because of this change in median unit, two other projects saw a slight change (+/-20 points) in Standard 5A scoring. Those projects are:

- Cross Timbers WSC – Infrastructure Improvements Q-99. Score went from 904 to 884. Ranking went from #9 to #20
- West Cedar Creek – Water Treatment Plant Expansion Q-13. Score went from 634.82 to 654.82. Ranking went from #441 to #404.

# 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) 475-2653

August 14, 2019

Mr. Kevin Ward, Chair  
Region C Regional Water Planning Group  
c/o Trinity River Authority  
5300 South Collins St.  
Arlington, Texas 76018

Dear Mr. Ward:

I have reviewed Region C's request, and based on the request and supporting materials, I have determined that amending the Region C Regional Water Plan (RWP) to revise the components and capital cost of the City of Springtown Surface Water Treatment Plant and Supply water management strategy project (formerly the Springtown Lake Intake Modifications project) constitutes a minor amendment under 31 Texas Administrative Code (TAC) §357.51(c).

If the Region C Regional Water Planning Group adopts the proposed minor amendment, the planning group will need to:

1. provide the Texas Water Development Board (TWDB) with documentation of the planning group action adopting this minor amendment,
2. issue and distribute an addendum to the 2016 Region C RWP updating the plan accordingly,
3. provide the TWDB with updated DB17 data to reflect all the associated changes to the 2016 Region C RWP and the 2017 State Water Plan, and
4. provide the TWDB with an updated recommended project prioritization list.

After receipt of all required information, the Board will consider approving the amendment at a regularly scheduled meeting, and then may amend the 2017 State Water Plan, as appropriate.

If Region C makes any substantive changes to the project components or configuration during the minor amendment process, the TWDB will need to review the modified proposed amendment to ensure that any other changes still meet all of the criteria under 31 TAC §357.51(c).

If you have any questions concerning this approval or its associated requirements, please contact Kevin Smith, Region C Project Manager, at 512-475-1561.

Sincerely,



Jeff Walker  
Executive Administrator

cc: David Miller, City Administrator, City of Springtown  
Kevin Smith, TWDB

Our Mission : Board Members  
To provide leadership, information, education, and : Peter M. Lake, Chairman | Kathleen Jackson, Board Member | Brooke T. Paup, Board Member  
support for planning, financial assistance, and :  
outreach for the conservation and responsible :  
development of water for Texas : Jeff Walker, Executive Administrator

## REGION C WATER PLANNING GROUP

OPEN PUBLIC MEETING

MONDAY, OCTOBER 7, 2019 AT 1:00 P.M.

THE MEETING WILL BE HELD AT  
NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS  
616 SIX FLAGS DRIVE, CENTERPOINT TWO BUILDING  
FIRST FLOOR TRANSPORTATION COUNCIL ROOM  
ARLINGTON, TEXAS 76011<sup>1</sup>

### AGENDA

- I. ROLL CALL
- II. APPROVAL OF MINUTES – JUNE 24, 2019
- III. PRIMARY ACTION ITEMS FOR CONSIDERATION
  - A. Election of Members to fill expiring terms
  - B. Nominating Committee for Slate of Officers for 2020
  - C. Consider Approval of City of Springtown's Minor Amendment to the *2016 Region C Water Plan* \*
  - D. Nomination of Representative to Interregional Planning Council
- IV. OTHER ITEMS (MAY RESULT IN ACTIONS)
  - A. Presentation on Conservation Strategies
  - B. Major Water Provider and Regional Water Provider Plans
  - C. Region C-D Coordination with consideration for subcommittee
  - D. Drought Chapter
  - E. Region C Website Update
  - F. Chapter 8 Legislative Recommendations

<sup>1</sup> If you plan to attend this public meeting and you have a disability that requires special arrangements at the meeting, please contact Crysta Guzman by phone at (817) 695-9231 or by email at [cguzman@nctcog.org](mailto:cguzman@nctcog.org), 72 hours in advance of the meeting. Reasonable accommodations will be made to assist your needs.

RCWPG AGENDA for OCTOBER 7, 2019  
SEPTEMBER 23, 2019  
PAGE 2

V. 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. Other Reports
- G. Confirm Date and Location of Next Meeting: Dec 9 or other; 1pm, NCTCOG, 616 Six Flags Drive, Centerpoint Two Building, First Floor Transportation Council Room, Arlington, Texas 76011
- H. Public Comments

VI. ADJOURNMENT

\*The minor amendment contemplated by Item III.C., above, is available for review and comment at the following Web addresses:

<http://www.regioncwater.org/Documents/General/SpringtownMinorAmendment-FullDocumentation.pdf>

The Region C Water Planning Group will accept written and oral comments on Item III.C. at the above-identified meeting. Written comments may also be submitted before or within 14 days following the foregoing meeting to the Trinity River Authority at the following address:

J. Kevin Ward, Administrative Officer  
Region C Water Planning Group  
c/o Trinity River Authority  
P.O. Box 60  
Arlington, TX 76004  
(817) 467-4343

Other questions concerning the foregoing meeting and agenda may be directed to the same address.

SUBMITTED BY: \_\_\_\_\_  
J. Kevin Ward, Administrative Officer

DATE: September 23, 2019

POSTED BY: \_\_\_\_\_

RCWPG AGENDA for OCTOBER 7, 2019  
SEPTEMBER 23, 2019  
PAGE 3

DATE: \_\_\_\_\_  
TIME: \_\_\_\_\_  
LOCATION: \_\_\_\_\_

<b>Project Name</b>	<b>FINAL SCORE FOR PROJECT</b>	<b>Ranking</b>
Trophy Club, Westlake, Fort Worth - Phase I: Joint 36" Water Delivery Line Q-197	932.0	1
Trophy Club, Westlake, Fort Worth - Phase I: Joint 36" Water Delivery Line Q-197	932.0	1
Trophy Club, Westlake, Fort Worth - Phase I: Joint 36" Water Delivery Line Q-197	932.0	1
Wylie NE SUD - Increase Delivery Infrastructure to Purchase Additional Water from NTMWD Q-80	931.9	4
DWU - Infrastructure to Treat and Deliver to Customers 2020 New Water Plant Q-40	922.3	5
East Fork SUD- Increase Delivery Infrastructure to Purchase Additional Water from NTMWD Q-181	911.0	6
Athens MWA WTP Infrastructure Improvements Q-145	904.1	7
Keller - Increase Delivery Infrastructure to Purchase Additional Water from Fort Worth Q-189	904.1	8
Terrell - Ground Storage Tank and Pump Station Expansion at West Side Pump Station Q-157	902.7	9
Terrell - Line to Feed Whole Customer (Kaufman Co WCID) Q-158	902.7	9
Terrell - Line to Feed Wholesale Customer (Fairfield Development) Q-159	902.7	9
Terrell - Line to Feed Wholesale Customers (Las Lomas MUD and Kaufman Co WCID) Q-161	902.7	9
Cash WSC - Increase Delivery Infrastructure to Purchase Additional Water from NTMWD Q-180	902.3	13
Bedford - Municipal Conservation - Water Distribution System Conservation Q-208	900.3	14
Blackland WSC - Direct Connect to NTMWD and Purchase Additional Water from NTMWD Q-179	898.0	15
Krum - New Well in Trinity Aquifer Q-105	895.5	16
Watauga & N Richland Hills - Increase Delivery Infrastructure to Purchase Additional Water Q-199	894.1	17
NTMWD Treatment & Treated Water Distribution Improvements 2010-2020 Q-28	888.3	18
Q-90 Irving - TRA Central Reuse	886.3	19
Cross Timbers WSC - Infrastructure Improvements Q-99	884.0	20
GTUA - Grayson County Water Supply Project Q-64	882.3	21
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2015-2019 Q-54	882.3	21

Project Name	FINAL SCORE FOR PROJECT	Ranking
Waxahachie - 36" Raw water line from Lake Waxahachie to Howard Rd WTP Q-121	882.3	21
Waxahachie - Increase delivery infrastructure to Rockett SUD (30" Raw water Line) Q-124	882.3	21
Waxahachie - Raw Water Intake Improvements at Lake Bardwell Q-127	882.3	21
Conservation, Water Loss Control - Annetta	880.3	26
Conservation, Water Loss Control - Annetta North	880.3	26
Conservation, Water Loss Control - Brandon-Irene WSC	880.3	26
Conservation, Water Loss Control - Dallas	880.3	26
Conservation, Water Loss Control - Flo Community WSC	880.3	26
Conservation, Water Loss Control - Johnson County SUD	880.3	26
Conservation, Water Loss Control - Log Cabin	880.3	26
Conservation, Water Loss Control - Macbee SUD	880.3	26
Conservation, Water Loss Control - Mountain Peak SUD	880.3	26
Conservation, Water Loss Control - Virginia Hill WSC	880.3	26
Parker - Increase Pump Station Capacity Q-76	874.0	36
Henderson County SEP - Transmission Facilities from Cedar Creek Lake Q-147	872.3	37
Azle - Water Treatment Plant Expansion Q-13	871.9	38
Trophy Club - Phase II: Increase delivery infrastructure from Ft Worth Q-198	870.3	39
Trinity River Authority Las Colinas Reuse (Dallas County Irrigation) Q-58	868.7	40
Terrell - Line to Feed Wholesale Customer (Fairfield Development Extension) Q-160	862.7	41
Terrell - Lines Along I-20 to Complete Looping in Southern System for Wholesale Customers Q-162	862.7	41
Terrell - New Delivery Point Connection from NTMWD (Waterlines, Pump Station, & Ground Storage Q-163	862.7	41
DWU - Infrastructure to Treat and Deliver to Customers 2025 WTP Expansions Q-40	862.3	44

Project Name	FINAL SCORE FOR PROJECT	Ranking
Waxahachie - 27" Raw water line from IPL to Howard Road Water Treatment Plant Q-119	862.3	44
Waxahachie - 36" Raw water line from IPL to Lake Waxahachie Q-120	862.3	44
Waxahachie - 48" TRWD Parallel Supply Line to Sokoll WTP Q-122	862.3	44
Weston - Connect to and Purchase Water from NTMWD Q-79	862.1	48
Conservation, Water Loss Control - Aledo	860.3	49
Conservation, Water Loss Control - Alvord	860.3	49
Conservation, Water Loss Control - Annetta South	860.3	49
Conservation, Water Loss Control - Blue Mound	860.3	49
Conservation, Water Loss Control - Buena Vista - Bethel SUD	860.3	49
Conservation, Water Loss Control - Cash SUD	860.3	49
Conservation, Water Loss Control - Files Valley WSC	860.3	49
Conservation, Water Loss Control - Hickory Creek SUD	860.3	49
Conservation, Water Loss Control - Maypearl	860.3	49
Conservation, Water Loss Control - Mineral Wells	860.3	49
Conservation, Water Loss Control - Mountain Spring WSC	860.3	49
Conservation, Water Loss Control - Navarro Mills WSC	860.3	49
Conservation, Water Loss Control - North Hunt SUD	860.3	49
Conservation, Water Loss Control - Reno	860.3	49
Conservation, Water Loss Control - Sanger	860.3	49
Conservation, Water Loss Control - Teague	860.3	49
Rockett SUD - Water Treatment Plant Expansion 1 Q-13	859.8	65
Newark - Connect to and Purchase Water from Rhome Q-203	855.6	66
Sunnyvale - Increase Delivery Infrastructure to Purchase Additional Water from NTMWD Q-93	855.1	67
Rowlett - Water System Improvements Q-214	854.3333333	
Fort Worth - Municipal Conservation - Advanced Meter Infrastructure Program Q-209	853.3	69
Conservation, Irrigation Restriction - Waxahachie	850.3	70
NTMWD Treatment & Treated Water Distribution Improvements 2020-2030 Q-28	847.4	71

<b>Project Name</b>	<b>FINAL SCORE FOR PROJECT</b>	<b>Ranking</b>
Conservation, Water Loss Control - Tom Bean	847.4	72
Midlothian - Water Treatment Plant Expansion 1 Q-13	845.1	73
Gastonia-Scurry SUD - Connect to Seagoville (DWU) Q-155	844.7	74
Denton - 30 MGD Ray Roberts Plant Expansion 1 Q-13	844.1	75
Fannin County SEP - Connect to and Purchase Water From Lake Texoma Q-128	842.3	76
Johnson County SUD - Connect to Purchase Water from Grand Prairie Q-188	842.3	76
Payne Springs - New Well in Carrizo-Wilcox Aquifer Q-148	842.3	76
Cresson - New Well in Trinity Aquifer Q-170	840.9	79
Conservation, Water Loss Control - Bethel-Ash WSC	840.3	80
Conservation, Water Loss Control - Cooke County	840.3	80
Conservation, Water Loss Control - Denton County	840.3	80
Conservation, Water Loss Control - Ellis County	840.3	80
Conservation, Water Loss Control - Fannin County	840.3	80
Conservation, Water Loss Control - Grayson County	840.3	80
Conservation, Water Loss Control - Hudson Oaks	840.3	80
Conservation, Water Loss Control - Jack County	840.3	80
Conservation, Water Loss Control - Kentucky Town WSC	840.3	80
Conservation, Water Loss Control - Lakewood Village	840.3	80
Conservation, Water Loss Control - Pantego	840.3	80
Conservation, Water Loss Control - Parker County	840.3	80
Conservation, Water Loss Control - Sansom Park	840.3	80
Conservation, Water Loss Control - Whitesboro	840.3	80
Wise County WSD - Water Treatment Plant Expansion 1 Q-13	838.5	94
M E N WSC - Upsize Lake Halbert Connection Q-166	836.8	95
Rockwall - Increase Delivery Infrastructure to Purchase Additional Water from NTMWD Q-183	836.1	96
Corsicana - New 8 MGD Water Treatment Plant Q-12	835.0	97
Grayson County Steam Electric Power - Direct Reuse from Sherman Q-211	834.4	98

<b>Project Name</b>	<b>FINAL SCORE FOR PROJECT</b>	<b>Ranking</b>
Grand Prairie - Increase Delivery Infrastructure to Purchase Additional Water from DWU Q-88	833.9	99
Tarrant County SEP - Direct Reuse Q-196	833.1	100
DWU - Connect to Bachman Q-37	832.3	101
UTRWD - Lake Ralph Hall and Reuse Q-52	831.3	102
Kennedale - Connect to and Purchase Water from Arlington Q-190	830.1	103
Trinity River Authority Kaufman County Reuse for Steam Electric Power Q-62	828.7	104
TRWD & DWU Integrated Pipeline Q-48	828.2	105
TRWD & DWU Integrated Pipeline Q-48	828.2	105
Conservation, Water Waste Prohibition - Argyle WSC	827.6	107
Bethesda WSC - Connect to and Purchase Water from Arlington Q-184	824.4	108
Eustace - New well in Carrizo-Wilcox Q-146	822.3	109
Muenster - Develop Muenster Lake Supply Q-85	822.3	109
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2020-2029 Q-54	822.3	109
Sardis Lone-Elm - Connect to and Purchase Water from Midlothian Q-117	821.6	112
Weatherford - Develop Lake Weatherford Reuse Project Q-177	821.5	113
Conservation, Water Loss Control - Eustace	820.3	114
Conservation, Water Loss Control - Luella SUD	820.3	114
Conservation, Water Loss Control - Parker County SUD	820.3	114
Mabank - Increase Delivery Infrastructure from Cedar Creek Lake Q-143	820.1	117
Conservation, Water Loss Control - Honey Grove	816.0	118
DWU - Infrastructure to Treat and Deliver to Customers 2035 WTP Expansions Q-40	814.3	119
DWU - Main Stem Pump Station Q-34	813.0	120
NTMWD - Main Stem Pump Station Q-22	813.0	120
Mansfield - Water Treatment Plant Expansion 1 Q-13	812.6	122
Pilot Point - New Well in Trinity Aquifer Q-106	808.3	123
Frisco - Develop Direct Reuse Q-74	807.1	124

<b>Project Name</b>	<b>FINAL SCORE FOR PROJECT</b>	<b>Ranking</b>
Walnut Creek SUD - New 6 MGD Water Treatment Plant Q-12	805.9	125
Blooming Grove - New Well in Trinity Aquifer Q-164	802.3	126
Denison - Expand Raw Water Delivery from Lake Texoma Q-137	802.3	126
Leonard - Water System Improvements Q-207	802.3	126
Mansfield - Water Treatment Plant Expansion 2 Q-13	802.2	129
Sherman - Desalination Water Treatment Plant Expansion 1 Q-13	802.2	130
Conservation, Water Loss Control - Bryson	800.3	131
Conservation, Water Loss Control - Fairfield	800.3	131
Conservation, Water Loss Control - Pilot Point	800.3	131
Conservation, Water Loss Control - South Grayson WSC	800.3	131
Conservation, Water Loss Control - Southmayd	800.3	131
Conservation, Water Loss Control - Trinidad	800.3	131
Conservation, Water Loss Control - Whitewright	800.3	131
Q-150 Fannin County Water Supply Project	799.3	138
Conservation, Water Loss Control - Corbet WSC	798.1	139
Fort Worth Direct Reuse - Alliance Corridor Q-68	797.3	140
Chatfield WSC - Water System Improvements Q-165	796.9	141
Wilmer - New Connection to Dallas (via Lancaster) Q-95	793.6	142
Palmer - Increase Delivery Infrastructure to Purchase Additional Water from Rockett SUD Q-113	791.9	143
Denton County Manufacturing - New Well in Woodbine Aquifer Q-100	788.8	144
Conservation, Water Waste Prohibition - Athens	788.1	145
NTMWD - Dredge Lake Lavon Q-20	787.1	146
Conservation, Water Loss Control - Payne Springs	786.8	147
Conservation, Water Loss Control - Henderson County	786.2	148
Conservation, Water Loss Control - Savoy	786.2	149
Waxahachie - Phase I Delivery Infrastructure to Customers in South Ellis County Q-125	785.7	150
Waxahachie - Howard Rd. Water Treatment Plant Expansion 1 Q-13	785.7	151
NTMWD - Lower Bois d'Arc Creek Reservoir Site Q-23	785.5	152
East Parker County - Pipeline from Weatherford to Annetta, Annetta North, Annetta South, and W Q-171	784.0	153
East Parker County - Pipeline from Weatherford to Annetta, Annetta North, Annetta South, and W Q-171	784.0	153
East Parker County - Pipeline from Weatherford to Annetta, Annetta North, Annetta South, and W Q-171	784.0	153

<b>Project Name</b>	<b>FINAL SCORE FOR PROJECT</b>	<b>Ranking</b>
East Parker County - Pipeline from Weatherford to Annetta, Annetta North, Annetta South, and W Q-171	784.0	153
Conservation, Water Loss Control - Aurora	783.2	157
Conservation, Water Loss Control - Valley View	782.8	158
Conservation, Water Loss Control - Woodbine WSC	782.5	159
Conservation, Water Waste Prohibition - Westover Hills	782.1	160
Conservation, Water Loss Control - Community WSC	781.4	161
Conservation, Water Loss Control - Runaway Bay	781.2	162
Conservation, Water Loss Control - Bedford	780.3	163
Conservation, Water Loss Control - Gainesville	780.3	163
Conservation, Water Loss Control - Lake Kiowa SUD	780.3	163
Conservation, Water Loss Control - Lakeside	780.3	163
Conservation, Water Loss Control - Lindsay	780.3	163
Conservation, Water Loss Control - Marilee SUD	780.3	163
Conservation, Water Loss Control - Milford	780.3	163
Conservation, Water Loss Control - Muenster	780.3	163
Conservation, Water Loss Control - Ponder	780.3	163
Conservation, Water Loss Control - Waxahachie	780.3	163
Conservation, Water Loss Control - Krum	779.8	173
Conservation, Water Loss Control - Collinsville	779.3	174
Conservation, Water Loss Control - New Fairview	778.9	175
Conservation, Water Loss Control - Italy	778.8	176
Conservation, Water Loss Control - Highland Park	778.6	177
Conservation, Water Loss Control - Rhome	778.4	178
Conservation, Water Loss Control - Chatfield WSC	778.2	179
Conservation, Water Loss Control - Kerens	778.1	180
Conservation, Water Loss Control - Dawson	778.1	181
Conservation, Water Loss Control - Rice	778.1	182
Conservation, Water Loss Control - Rice WSC	777.9	183
Conservation, Water Loss Control - Blue Ridge	777.4	184
Conservation, Water Loss Control - Aubrey	777.3	185
Grayson County Manufacturing - Direct Reuse from Sherman Q-210	776.3	186
NTMWD - Removal of Chapman Silt Barrier Q-19	774.4	187
DWU - Connect Lake Palestine Q-36	772.3	188
Van Alstyne - Water System Improvements Q-142	771.1	189
Conservation, Water Loss Control - Kennedale	769.5	190
Conservation, Water Loss Control - Chico	769.3	191
Freestone County Other - Connect to and Purchase Water from TRWD Q-134	768.5	192
NTMWD - Additional Measures to Access Full Lake Lavon Yield Q-21	767.8	193

Project Name	FINAL SCORE FOR PROJECT	Ranking
Conservation, Irrigation Restriction - Denton County FWSD #7	767.5	194
Conservation, Water Loss Control - Double Oak	767.1	195
Conservation, Water Loss Control - Copper Canyon	766.8	196
Conservation, Water Waste Prohibition - Haslet	765.8	197
Conservation, Water Loss Control - Denison	765.5	198
Conservation, Water Waste Prohibition - Weatherford	765.4	199
Conservation, Water Waste Prohibition - Midlothian	765.1	200
Crowley - Increase Delivery Infrastructure to Purchase Additional Water from Fort Worth Q-187	763.6	201
Ladonia - Connect to and Purchase Water from UTRWD (Lake Ralph Hall) Q-129	762.3	202
Conservation, Water Loss Control - Southwest Fannin County SUD	761.3	203
Trinity River Authority Dallas County Reuse for Steam Electric Power Q-59	760.7	204
Jack County Other - Connect to and Purchase Water from Walnut Creek SUD Q-152	760.7	205
Justin - New Well in Trinity Aquifer Q-104	760.6	206
Conservation, Water Loss Control - Everman	760.3	207
Conservation, Water Loss Control - Pelican Bay	760.3	207
Conservation, Water Loss Control - Bolivar WSC	760.2	209
Mountain Peak SUD - New Well in Woodbine Aquifer Q-112	759.4	210
Conservation, Water Loss Control - Lake Dallas	759.3	211
Conservation, Water Loss Control - Shady Shores	759.2	212
Conservation, Water Loss Control - Navarro County	759.0	213
Conservation, Water Loss Control - Providence Village WCID	759.0	214
Conservation, Water Loss Control - Hickory Creek	758.9	215
Conservation, Water Loss Control - Krugerville	758.7	216
Conservation, Water Loss Control - Newark	758.5	217
Conservation, Water Loss Control - Cross Roads	758.4	218
Conservation, Water Loss Control - M-E-N WSC	758.1	219
Conservation, Water Loss Control - Denton County FWSD #10	757.9	220
New Fairview - Connect to and Purchase Water from Rhome Q-202	754.8	221
Springtown - Lake Intake Modifications Q-175	754.6	222
Conservation, Water Loss Control - Athens	752.8	223
Lewisville - Water Treatment Plant Expansion 1 Q-13	752.0	224
Conservation, Water Loss Control - Haslet	751.1	225
Conservation, Water Waste Prohibition - Murphy	751.0	226
Wise County Manufacturing - New Wells in Trinity Aquifer Q-205	750.2	227
Prosper - Increase Delivery Infrastructure to Purchase Additional Water from NTMWD (Phase II) Q-78	749.3	228

<b>Project Name</b>	<b>FINAL SCORE FOR PROJECT</b>	<b>Ranking</b>
Conservation, Water Loss Control - Gunter	749.3	229
Denison - Water Treatment Plant Expansion 1 Q-13	748.9	230
Conservation, Water Waste Prohibition - Hudson Oaks	748.4	231
Midlothian - Purchase Duncanville's Joe Pool Yield Q-111	748.3	232
Gainesville - Direct Reuse Q-81	748.2	233
Conservation, Water Waste Prohibition - Euless	747.8	234
Prosper - Increase Delivery Infrastructure to Purchase Additional Water from NTMWD (Phase I) Q-77	747.5	235
Conservation, Irrigation Restriction - Denton County FWSD #10	747.3	236
Southlake - Increase Delivery Infrastructure to Purchase Additional Water from Fort Worth Q-195	747.1	237
TRWD - Cedar Creek Wetlands Reuse Q-49	745.8	238
Conservation, Water Loss Control - Malakoff	743.7	239
Conservation, Water Loss Control - Leonard	743.6	240
Corinth - New Well in Trinity Aquifer (2020) Q-96	742.9	241
Pelican Bay - Connect to and Purchase Water from Azle (TRWD) Q-194	742.3	242
Conservation, Water Loss Control - Bonham	741.4	243
Conservation, Water Loss Control - Arlington	741.1	244
Conservation, Water Loss Control - West Wise SUD	740.9	245
Rockett SUD - Water Treatment Plant Expansion 2 Q-13	740.9	246
Conservation, Water Loss Control - Walnut Creek SUD	739.5	247
Conservation, Water Loss Control - East Cedar Creek FWSD	738.8	248
Conservation, Water Loss Control - Two Way SUD	738.7	249
Parker County SUD - Additional BRA with Treatment Plant Q-13	738.5	250
Conservation, Water Loss Control - Corsicana	737.6	251
DWU - Infrastructure to Treat and Deliver to Customers 2045 WTP Expansions Q-40	734.3	252
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2030-2040 Q-54	734.3	253
Melissa - Increase Delivery Infrastructure to Purchase Additional Water from NTMWD Q-75	733.6	254
Conservation, Water Loss Control - Westworth Village	730.6	255
Gainesville - Infrastructure to Deliver to Customers Q-82	729.3	256
Burleson - Increase Delivery Infrastructure to Purchase Additional Water from Fort Worth Q-186	729.2	257
Conservation, Water Loss Control - White Settlement	728.9	258
Conservation, Water Loss Control - Howe	727.5	259
Rockett SUD - Increase Delivery Infrastructure to Purchase Additional Water from Midlothian Q-115	723.9	260

Project Name	FINAL SCORE FOR PROJECT	Ranking
Conservation, Water Loss Control - Colleyville	721.4	261
Grand Prairie - Connect to and Purchase Water from Arlington Q-87	721.0	262
Conservation, Water Loss Control - Lowry Crossing	720.5	263
Conservation, Water Loss Control - Talty	720.4	264
Conservation, Water Loss Control - Talty WSC	719.7	265
Conservation, Water Loss Control - Mabank	719.6	266
Conservation, Water Loss Control - Bartonville	719.4	267
Conservation, Water Loss Control - Willow Park	719.2	268
Conservation, Water Loss Control - Ladonia	719.1	269
Conservation, Water Loss Control - Oak Point	718.7	270
Parker County Other - New Wells in Trinity Aquifer Q-173	718.5	271
Conservation, Water Loss Control - Paloma Creek	718.4	272
Conservation, Water Loss Control - Westlake	718.2	273
Conservation, Water Loss Control - Trenton	718.1	274
Conservation, Water Loss Control - Anna	718.1	275
Mabank - Water Treatment Plant Expansion 1 Q-13	717.3	276
Conservation, Water Loss Control - Caddo Basin SUD	715.7	277
DWU - Main Stem Balancing Reservoir Q-35	714.3	278
Blue Ridge - Connect to and Purchase Water from NTMWD Q-69	712.1	279
Jack County Other - Connect to and Purchase Water from Jacksboro Q-151	711.6	280
Conservation, Water Loss Control - Garrett	710.8	281
Kaufman County Other - Connect to and Purchase Water from TRWD Q-149	710.4	282
Celina - Connect to and Purchase Water from NTMWD Q-71	709.4	283
Weatherford - Increase Benbrook Pump Station Capacity Q-178	707.8	284
Fort Worth - Eagle Mountain 35 MGD Expansion Q-13	707.1	285
Conservation, Water Loss Control - Van Alstyne	707.1	286
Conservation, Water Loss Control - Tioga	706.9	287
Conservation, Irrigation Restriction - Heath	706.0	288
Conservation, Water Waste Prohibition - Benbrook	706.0	289
Conservation, Water Loss Control - Tarrant County	705.4	290
Conservation, Water Loss Control - Fort Worth	704.9	291
Conservation, Water Loss Control - Ector	704.3	292
GTUA - Reuse for Grayson County Steam Electric Power Q-63	704.2	293
UTRWD - Direct Reuse Q-53	703.5	294
Navarro County SEP - Purchase Water from Corsicana Q-167	703.1	295
Denton County Other - New Well in Trinity Aquifer Q-102	702.1	296
Conservation, Water Loss Control - Bridgeport	700.9	297
Pantego - Connect to and Purchase Water from Arlington Q-192	700.7	298
Conservation, Water Loss Control - St. Paul	700.5	299

Project Name	FINAL SCORE FOR PROJECT	Ranking
Conservation, Water Loss Control - Oak Grove	700.5	300
Conservation, Water Loss Control - Scurry	700.4	301
Conservation, Water Loss Control - Post Oak Bend City	700.4	302
Conservation, Water Loss Control - Kaufman	700.2	303
Conservation, Water Loss Control - Nevada	700.2	304
Conservation, Water Loss Control - Frost	700.2	305
Conservation, Water Loss Control - Richardson	700.2	306
Conservation, Water Loss Control - University Park	699.4	307
Bells - New Well in Woodbine Aquifer Q-136	698.9	308
Conservation, Water Loss Control - Seven Points	698.6	309
Conservation, Water Loss Control - Terrell	698.5	310
Rice WSC - Increase Delivery Infrastructure to Purchase Additional Water from Corsicana Q-114	698.5	311
Conservation, Water Loss Control - Argyle WSC	698.1	312
Conservation, Water Loss Control - Blooming Grove	698.1	313
Conservation, Water Loss Control - Northlake	697.6	314
Conservation, Water Loss Control - Gastonia-Scurry SUD	697.4	315
Conservation, Water Loss Control - Sardis-Lone Elm WSC	697.2	316
Conservation, Water Loss Control - Josephine	697.2	317
Fort Worth Future Direct Reuse Q-67	696.6	318
Fort Worth - West Plant 23 MGD Expansion Q-13	696.4	319
Conservation, Water Loss Control - Springtown	696.1	320
Conservation, Water Loss Control - Pecan Hill	695.8	321
Conservation, Water Loss Control - Bardwell	695.6	322
Conservation, Water Loss Control - Jacksboro	695.5	323
Conservation, Water Loss Control - Burleson	694.1	324
Conservation, Water Loss Control - Ennis	691.4	325
Gunter - New Well in Trinity Aquifer (2020) Q-139	688.7	326
Conservation, Water Waste Prohibition - Cedar Hill	687.3	327
Conservation, Water Loss Control - Glenn Heights	686.5	328
Conservation, Irrigation Restriction - Lucas	685.8	329
Conservation, Water Loss Control - Balch Springs	685.6	330
Fort Worth - Rolling Hills 50 MGD Expansion Q-13	685.3	331
Conservation, Water Loss Control - Ovilla	685.2	332
Denton County Other - New Well in Woodbine Aquifer Q-101	685.0	333
Kaufman County Mining - New Wells in Trinity Aquifer Q-216	684.996763 8	334
Conservation, Irrigation Restriction - Corinth	684.5	335
Conservation, Irrigation Restriction - Midlothian	684.1	336

Project Name	FINAL SCORE FOR PROJECT	Ranking
Conservation, Water Loss Control - Collin County	684.0	337
Ellis County SEP - Purchase Water from Waxahachie Q-107	683.3	338
Conservation, Water Loss Control - Dallas County	683.2	339
Waxahachie - Dredge Lake Waxahachie Q-123	683.2	340
Conservation, Water Loss Control - Euless	682.5	341
Conservation, Water Loss Control - Denton County FWSD #1A	681.9	342
Conservation, Water Loss Control - River Oaks	681.8	343
Conservation, Water Loss Control - Melissa	681.2	344
Conservation, Water Loss Control - Kaufman County	681.1	345
Conservation, Water Loss Control - Pottsboro	681.0	346
Conservation, Water Loss Control - Rockwall County	680.8	347
Pantego - Connect to and Purchase Water from Fort Worth Q-193	680.7	348
Conservation, Water Loss Control - Highland Village	680.5	349
Conservation, Water Loss Control - Plano	680.5	350
Conservation, Water Loss Control - New Hope	680.4	351
Conservation, Water Loss Control - McLendon-Chisholm	680.4	352
Conservation, Water Loss Control - College Mound WSC	680.4	353
Conservation, Water Loss Control - Lavon	680.4	354
Conservation, Water Loss Control - Hackberry	680.4	355
Conservation, Water Loss Control - Bells	680.0	356
Conservation, Water Loss Control - Wise County	679.9	357
Conservation, Water Loss Control - Farmersville	679.7	358
Conservation, Water Loss Control - North Collin WSC	679.6	359
Conservation, Water Loss Control - Denton County FWSD #7	679.0	360
Conservation, Water Loss Control - Freestone County	678.7	361
Conservation, Water Loss Control - Tool	678.7	362
Conservation, Water Loss Control - Princeton	678.7	363
NTMWD Treatment & Treated Water Distribution Improvements 2030-2040 Q-28	678.6	364
Conservation, Water Loss Control - Royse City	678.5	365
Conservation, Water Loss Control - Oak Leaf	678.4	366
Conservation, Water Loss Control - Mustang SUD	677.3	367
Fairfield - Connect to and Purchase Water from TRWD (Richland-Chambers) Q-132	677.3	368
Conservation, Water Loss Control - Lavon SUD	677.1	369
Conservation, Water Loss Control - Red Oak	677.0	370
Conservation, Water Loss Control - Crandall	676.5	371
Conservation, Water Loss Control - High Point WSC	676.3	372
Conservation, Water Loss Control - Gun Barrel City	675.9	373

Project Name	FINAL SCORE FOR PROJECT	Ranking
Conservation, Water Loss Control - Justin	675.7	374
Conservation, Water Loss Control - Wilmer	675.3	375
Conservation, Water Loss Control - Seagoville	675.0	376
Conservation, Water Loss Control - Lucas	669.6	377
Corinth - Upgrade Existing Well Q-98	669.1	378
Conservation, Irrigation Restriction - Roanoke	668.1	379
Conservation, Water Loss Control - Trophy Club	666.8	380
Conservation, Water Waste Prohibition - Ennis	666.5	381
Conservation, Irrigation Restriction - Desoto	666.3	382
Conservation, Water Loss Control - Saginaw	666.0	383
Conservation, Water Loss Control - The Colony	666.0	384
Conservation, Water Waste Prohibition - Farmers Branch	665.9	385
NTMWD & Irving - Lake Chapman Pump Station Expansion Q-24	665.7	386
NTMWD & Irving - Lake Chapman Pump Station Expansion Q-24	665.7	386
Conservation, Irrigation Restriction - Lewisville	665.1	388
Conservation, Irrigation Restriction - Lancaster	664.6	389
Conservation, Irrigation Restriction - Ennis	664.5	390
Conservation, Irrigation Restriction - Benbrook	664.3	391
Conservation, Irrigation Restriction - Farmers Branch	664.3	392
Forney - Increase Pump Station Capacity Q-154	662.9	393
Conservation, Water Loss Control - Westover Hills	662.4	394
Conservation, Water Loss Control - Prosper	659.8	395
Conservation, Water Loss Control - Dalworthington Gardens	659.3	396
Conservation, Water Loss Control - Ables Springs WSC	659.2	397
Conservation, Water Loss Control - Parker	659.2	398
Midlothian - Water Treatment Plant Expansion 2 Q-13	658.6	399
Conservation, Water Loss Control - Argyle	658.6	400
Conservation, Water Loss Control - Frisco	658.0	401
Conservation, Water Loss Control - Roanoke	656.8	402
Wilmer - Direct Connection to Dallas Q-94	656.0	403
West Cedar Creek - Water Treatment Plant Expansion Q-13	654.8	404
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2040-2050 Q-54	654.3	405
Conservation, Water Loss Control - Venus	653.7	406
Springtown - New Well in Trinity Aquifer Q-176	653.3	407
Conservation, Water Loss Control - Boyd	653.2	408
Corinth - New Well in Trinity Aquifer (2030) Q-97	649.8	409
Weston - New Wells in Woodbine Aquifer Q-215	649.656896	410
Southwest Fannin Co SUD - New Well in Woodbine Aquifer Q-130	649.6	411

Project Name	FINAL SCORE FOR PROJECT	Ranking
NTMWD - Additional Lake Texoma Supply Blend with Lower Bois d'Arc Q-25	649.2	412
Conservation, Water Loss Control - Forest Hill	647.4	413
Collin County Manufacturing - New Well in Woodbine Aquifer Q-72	646.1	414
Conservation, Water Loss Control - Haltom City	645.9	415
Conservation, Water Loss Control - Richland Hills	644.1	416
Conservation, Water Loss Control - Wortham	643.9	417
Lewisville - Water Treatment Plant Expansion 2 Q-13	642.5	418
Conservation, Water Loss Control - Sherman	641.5	419
Conservation, Water Loss Control - Murphy	640.8	420
Conservation, Water Loss Control - Allen	640.7	421
Conservation, Water Loss Control - Culleoka WSC	640.5	422
Conservation, Water Loss Control - Fairview	640.5	423
Conservation, Water Loss Control - Copeville SUD	640.5	424
Conservation, Water Loss Control - Forney Lake WSC	640.4	425
Conservation, Water Loss Control - Sunnyvale	640.2	426
Conservation, Water Loss Control - Fate	640.2	427
Conservation, Water Loss Control - Garland	640.0	428
Conservation, Water Loss Control - Rose Hill SUD	639.3	429
Conservation, Water Loss Control - Lake Worth	638.9	430
Weatherford - Water Treatment Plant Expansion 1 Q-13	638.7	431
Conservation, Water Loss Control - Little Elm	638.5	432
Conservation, Water Loss Control - Denton	638.4	433
Conservation, Water Loss Control - Flower Mound	638.4	434
Conservation, Water Loss Control - Benbrook	638.3	435
Conservation, Water Loss Control - Grand Prairie	637.8	436
Conservation, Water Loss Control - Rockwall	637.6	437
Conservation, Water Loss Control - Weatherford	637.0	438
Conservation, Water Loss Control - West Cedar Creek MUD	636.2	439
Conservation, Water Loss Control - Kemp	635.4	440
Conservation, Water Loss Control - DeSoto	635.0	441
Conservation, Water Loss Control - Bethesda WSC	634.6	442
Grayson County Mining - New Well in Trinity Aquifer Q-138	634.3	443
Corsicana - Water Treatment Plant Expansion Q-13	634.0	444
Conservation, Water Loss Control - Farmers Branch	633.4	445
Denton - 20 MGD Ray Roberts Plant Expansion Q-13	633.2	446
Conservation, Water Loss Control - Grapevine	632.6	447
Sardis-Lone Elm WSC - Increase Delivery Infrastructure to Purchase Additional Water from Rocke Q-118	632.1	448
Teague - New Wells in Trinity Aquifer Q-135	629.1	449

<b>Project Name</b>	<b>FINAL SCORE FOR PROJECT</b>	<b>Ranking</b>
Conservation, Water Loss Control - Carrollton	626.1	450
Conservation, Water Loss Control - Cockrell Hill	625.6	451
Conservation, Water Loss Control - Lewisville	624.7	452
Conservation, Water Loss Control - McKinney	624.0	453
Waxahachie - Howard Rd. Water Treatment Plant Expansion 2 Q-13	622.4	454
NTMWD Treatment & Treated Water Distribution Improvements 2040-2050 Q-28	621.4	455
Conservation, Water Loss Control - Seis Lagos UD	620.8	456
Conservation, Water Loss Control - Wylie	620.5	457
Conservation, Water Loss Control - Mesquite	620.5	458
Conservation, Water Loss Control - Mount Zion WSC	620.4	459
Conservation, Water Loss Control - Blackland WSC	620.0	460
Conservation, Water Loss Control - Edgecliff Village	619.2	461
Conservation, Water Loss Control - Keller	618.4	462
Conservation, Water Loss Control - East Fork SUD	617.3	463
Conservation, Water Loss Control - Cresson	617.1	464
Conservation, Water Loss Control - Corinth	616.6	465
Conservation, Water Loss Control - Irving	616.2	466
Conservation, Water Loss Control - Combine	615.4	467
Conservation, Water Loss Control - Midlothian	615.3	468
Conservation, Water Loss Control - Decatur	615.1	469
Conservation, Water Loss Control - Mansfield	614.9	470
Conservation, Water Loss Control - Rockett SUD	614.4	471
Conservation, Water Loss Control - Southlake	614.0	472
Kennedale - Increase Delivery Infrastructure to Purchase Additional Water from Fort Worth Q-191	612.5	473
Hackberry - Increase Delivery Infrastructure to Purchase Additional Water from NTMWD Q-103	611.4	474
Conservation, Water Loss Control - Hurst	609.1	475
Fort Worth - West Plant 35 MGD Expansion Q-13	606.8	476
Ennis - Water Treatment Plant Expansion 1 Q-13	606.0	477
Conservation, Water Loss Control - Coppell	605.7	478
Conservation, Water Loss Control - Duncanville	605.6	479
Conservation, Water Loss Control - Cedar Hill	605.4	480
Conservation, Water Loss Control - Addison	605.3	481
Conservation, Water Loss Control - Hutchins	604.8	482
Fort Worth - Eagle Mountain 30 MGD Expansion Q-13	603.4	483
Conservation, Water Loss Control - Ferris	602.0	484
Conservation, Water Loss Control - Lancaster	601.2	485

Project Name	FINAL SCORE FOR PROJECT	Ranking
Conservation, Water Loss Control - Azle	600.9	486
Conservation, Water Loss Control - Sachse	600.8	487
Conservation, Water Loss Control - Rowlett	600.6	488
Sulphur Basin Supplies - TRWD, NTWMD, UTRWD Q-18	600.6	489
Sulphur Basin Supplies - TRWD, NTWMD, UTRWD Q-18	600.6	489
Sulphur Basin Supplies - TRWD, NTWMD, UTRWD Q-18	600.6	489
Trenton - New Wells in Woodbine Aquifer Q-131	600.4	492
Conservation, Water Loss Control - Heath	599.9	493
Conservation, Water Loss Control - Crowley	597.3	494
Conservation, Water Loss Control - Weston	597.0	495
Conservation, Water Loss Control - Wylie Northeast SUD	596.9	496
Conservation, Water Loss Control - Forney	596.7	497
Conservation, Water Loss Control - Palmer	596.5	498
Conservation, Water Loss Control - Watauga	595.9	499
Conservation, Water Loss Control - North Richland Hills	595.5	500
Conservation, Water Loss Control - Celina	595.3	501
Chico - Increase Delivery Infrastructure to Purchase Additional Water from West Wise SUD Q-201	593.5	502
Aledo - Parallel Pipeline & Pump Station Expansion to Purchase Additional Water from Fort Wort Q-169	586.4	503
Waxahachie - Phase II Delivery Infrastructure to Customers in South Ellis County Q-126	586.4	504
Ferris - Increase Delivery Infrastructure to Purchase Additional Water from Rockett SUD Q-109	585.6	505
Glenn Heights - Increase Delivery Infrastructure to Purchase Additional Water from DWU Q-86	585.3	506
Navarro Mills WSC - New Well in Woodbine Aquifer Q-168	577.5	507
Freestone County Other - Increase Delivery Infrastructure to Purchase Additional Water from Co Q-133	577.0	508
Gunter - New Well in Trinity Aquifer (2030) Q-140	575.0	509
DWU - Neches River Run-of-the-River Diversions Project Q-38	574.3	510
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2050-2060 Q-54	574.3	510
Sherman - New 10 MGD Desalination Plant Q-12	574.2	512
GTUA - Collin-Grayson Municipal Alliance East-West Water Line Q-65	573.9	513
Mansfield - Water Treatment Plant Expansion 3 Q-13	573.3	514
College Mound - Increase Delivery Infrastructure to Purchase Additional Water from Terrell Q-153	562.9	515
Rockett SUD - Water Treatment Plant Expansion 3 Q-13	559.1	516

Project Name	FINAL SCORE FOR PROJECT	Ranking
Lewisville - Water Treatment Plant Expansion 3 Q-13	558.3	517
Denton - 30 MGD Ray Roberts Plant Expansion 2 Q-13	556.6	518
TRWD - Lake Tehuacana Q-50	554.9	519
Trinity River Authority Freestone County Reuse for Steam Electric Power Q-61	546.0	520
Bridgeport - Expand Capacity of Lake Intake and Pump Station Q-200	545.1	521
West Wise SUD - Water Treatment Plant Expansion Q-13	542.4	522
Fate - Increase Delivery Infrastructure to Purchase Additional Water from NTMWD Q-182	540.1	523
Weatherford - New 14 MGD Water Treatment Plant Q-12	538.0	524
Ennis Indirect Reuse Q-108	536.7	525
NTMWD Treatment & Treated Water Distribution Improvements 2050-2060 Q-28	534.3	526
NTMWD Treatment & Treated Water Distribution Improvements 2060-2070 Q-28	534.3	526
Fort Worth - 50 MGD Expansion 1 Q-13	530.3	528
Wise County WSD - Water Treatment Plant Expansion 2 Q-13	526.8	529
Fort Worth - 50 MGD Expansion 2 Q-13	523.1	530
Ovilla - Increase Delivery Infrastructure to Purchase Additional Water from DWU Q-92	496.1	531
UTRWD WTP and Treated Water Distribution System Water Management Strategies 2060-2070 Q-54	494.3	532
DWU - Lake Columbia Q-39	492.3	533
Gainesville - Water Treatment Plant Expansion 1 Q-13	491.2	534
Midlothian - Water Treatment Plant Expansion 3 Q-13	490.7	535
Parker County Other - Connect to and Purchase Water from TRWD Q-174	490.3	536
Ennis - Water Treatment Plant Expansion 2 Q-13	486.8	537
Weatherford - Water Treatment Plant Expansion 2 Q-13	485.3	538
GTUA - Collin-Grayson Municipal Alliance Water Transmission System - Phase 2 Q-66	484.5	539
Gainesville - Water Treatment Plant Expansion 2 Q-13	477.1	540
Denton - Water Treatment Plant Expansion 1 Q-13	475.8	541
Mansfield - Water Treatment Plant Expansion 4 Q-13	468.7	542
Bridgeport - Water Treatment Plant Expansion 1 Q-13	468.4	543
NTMWD - Additional Lake Texoma Blend with Sulphur Basin Water Q-26	465.9	544
Blue Ridge - Increase Delivery Infrastructure to Purchase Additional Water from NTMWD Q-70	457.6	545
East Cedar Creek - Water Treatment Plant Expansion Q-13	455.2	546
Benbrook - Water Treatment Plant Expansion Q-13	450.6	547
Denison - New 4 MGD Water Treatment Plant Q-12	448.0	548

<b>Project Name</b>	<b>FINAL SCORE FOR PROJECT</b>	<b>Ranking</b>
Fort Worth - 50 MGD Expansion 3 Q-13	446.0	549
Trinity River Authority Ellis County Reuse for Steam Electric Power Q-60	434.1	550
Mabank - Water Treatment Plant Expansion 2 Q-13	428.3	551
Waxahachie - Howard Rd. Water Treatment Plant Expansion 3 Q-13	427.6	552
Ennis - Water Treatment Plant Expansion 3 Q-13	426.5	553
Parker County SUD - New Wells in Trinity Aquifer Q-172	423.2	554
Southmayd - New Wells in Woodbine Aquifer Q-141	414.3	555
Rockett SUD - Water Treatment Plant Expansion 4 Q-13	409.3	556
Sherman - Desalination Water Treatment Plant Expansion 2 Q-13	400.4	557
Denton - Water Treatment Plant Expansion 2 Q-13	393.1	558
Walnut Creek SUD - New 12 MGD Water Treatment Plant Q-12	392.3	559
Kaufman County Mining - Connect to and Purchase Water from NTMWD Q-156	376.1	560
Denison - Water Treatment Plant Expansion 2 Q-13	367.5	561
NTMWD - Toledo Bend Q-57	366.5	562
Fort Worth - 50 MGD Expansion 4 Q-13	365.8	563
Runaway Bay - Increase Capacity of Lake Intake Q-204	361.0	564
NTMWD - Oklahoma Water Q-27	354.0	565
Fort Worth - 50 MGD Expansion 5 Q-13	352.8	566
Runaway Bay - Water Treatment Plant Expansion Q-13	261.0	567
Bridgeport - Water Treatment Plant Expansion 2 Q-13	259.3	568
DWU - Infrastructure to Treat and Deliver to Customers 2058 WTP Expansions Q-40	80.0	569
Collin County Other - New Well in Woodbine Aquifer Q-73	0.0	570
Conservation, Water Loss Control - Oakwood	0.0	570
DWU - Connect Lake Palestine Q-36	0.0	570
DWU - IPL Infrastructure Improvements Q-47	0.0	570
DWU - IPL Infrastructure Improvements Q-47	0.0	570
Gainesville - Lake Texoma Q-83	0.0	570
Irving - Oklahoma (Lake Hugo) Q-91	0.0	570
Irving - Indirect Reuse (Ellis County Off-Channel Reservoir) Q-89	0.0	570
Midlothian - Direct Potable Reuse (Mountain Creek WWTP Effluent) Q-110	0.0	570
Rockett SUD - Direct Connection to DWU Q-116	0.0	570