



## Filing Receipt

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**Control Number - 51545**  
**ItemNumber - 47**

**DOCKET NO. 51545**

<b>PETITION OF COMPASS</b>	<b>§</b>	<b>BEFORE THE</b>
<b>DATACENTERS DFW III, LLC TO</b>	<b>§</b>	
<b>AMEND ROCKETT SPECIAL</b>	<b>§</b>	<b>PUBLIC UTILITY COMMISSION</b>
<b>UTILITY DISTRICT'S CERTIFICATE</b>	<b>§</b>	
<b>OF CONVENIENCE AND</b>	<b>§</b>	
<b>NECESSITY IN ELLIS COUNTY BY</b>	<b>§</b>	<b>OF TEXAS</b>
<b>EXPEDITED RELEASE</b>	<b>§</b>	

**APPRAISAL REPORT**

COMES NOW, Compass Datacenters DFW III, LLC (Compass or Petitioner) and files this Appraisal Report (attached hereto as **Attachment A**).

Respectfully submitted,

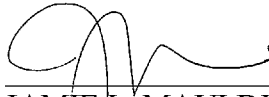
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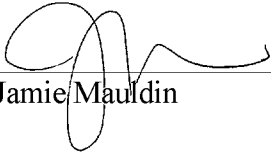
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**ATTORNEYS FOR COMPASS  
DATACENTERS DFW III, LLC**

**CERTIFICATE OF SERVICE**

I certify that, unless otherwise ordered by the presiding officer, notice of the filing of this document was provided to all parties of record via electronic mail on December 20, 2021, in accordance with the Order Suspending Rules, issued in Project No. 50664.

  
\_\_\_\_\_  
Jamie Mauldin



December 14, 2021

Ms. Jamie L. Mauldin, Principal  
Lloyd Gosselink Rochelle & Townsend, P.C.  
816 Congress Ave., Suite 1900  
Austin, TX 78701

Re: Compensation Determination for Area Subject to Petition of Compass Datacenters DFW III, LLC to Amend Rockett Special Utility District's Certificate of Convenience and Necessity in Ellis County by Expedited Release (PUC Docket No. 51545)

Dear Ms. Mauldin,

On behalf of Willdan Financial Services ("Willdan"), my staff and I have completed our valuation of the property that is the subject of a petition set forth by Compass Datacenters DFW III, LLC ("Compass") for Streamlined Expedited Release from Rockett Special Utility District ("Rockett") Water CCN No. 10099. This property is located in Ellis County and is identified in Texas Public Utility Commission Docket No. 51545. The petition was approved via the issuance of an Order dated October 12, 2021, and included in this summary valuation as **Appendix A**.

Specifically, Ordering Paragraph Number 7 states that "the amount of compensation to be awarded to the CCN holder, if any, commences with the filing of this Order in accordance with the schedule adopted in Order No. 6. Any decision on compensation will be made by a separate order." The purpose of this summary letter is to provide our opinion on the value of the CCN to the prior certificate holder, Rockett SUD.

### **Governing Statutes and Rules**

The Petition in this proceeding was filed in accordance with Texas Water Code (TWC) §13.254 and 16 Texas Administrative Code (TAC) § 24.245(h). TWC §13.254 provides for the following relative to the valuation to be conducted as part of this proceeding:

- (f) The utility commission may require an award of compensation by the petitioner to the certificate holder in the manner provided by this section, and
- (h) Section 13.254(g) applies to a determination of the monetary amount of compensation under this section.

In reference to TWC §13.254(g) and 16 TAC § 24.245(j), the factors ensuring that the compensation to a retail public utility is just and adequate shall include:



Ms. Jamie L. Mauldin  
December 14, 2021  
Page | 2

- (1). Specific to real property, the value of real property owned and utilized by the retail public utility for its facilities determined in accordance with the standards set forth in Chapter 21, Property Code, governing actions in eminent domain.
- (2). Specific to personal property, the factors ensuring that the compensation to a retail public utility is just and adequate shall include:
  - (A) The amount of the former CCN holder's debt allocable to service to the removed area;
  - (B) The value of the service facilities belonging to the former CCN holder that are located within the removed area;
  - (C) The amount of any expenditures for planning, design, or construction of the service facilities of the former CCN holder that are allocable to service to the removed area;
  - (D) The amount of the former CCN holder's contractual obligations allocable to the removed area;
  - (E) Any demonstrated impairment of service or any increase of cost to consumers of the former CCN holder remaining after a CCN revocation or amendment under this section;
  - (F) The impact on future revenues lost from existing customers;
  - (G) Necessary and reasonable legal expenses and professional fees, including costs incurred to comply with TWC §13.257(r); and
  - (H) Any other relevant factors as determined by the Commission.

## Documents Reviewed

On November 2, 2021, representatives of Compass submitted an extensive Request for Information to Rockett SUD. The purpose of this RFI was to obtain the background documentation and data required to enable us to prepare a valuation, and to justify any assessment of value to be offered by Rockett's representatives. In response, Rockett provided electronic files containing documents for our review. These and other documents we reviewed in conducting this valuation analysis, include, but are not limited to the following:

- Texas Water Code Section 13.254 and others
- Texas Administrative Code Section 24.245
- Filings with the Public Utility Commission of Texas in Docket No. 51545
- The Original Petition filed by Compass Datacenters DFW III, LLC to Amend Rockett SUD's Certificate of Convenience and Necessity in Ellis County by Expedited Release



Ms. Jamie L. Mauldin  
December 14, 2021  
Page | 3

- Order Approving Expedited Release in PUC Docket No. 51545 (included as **Appendix A**)
- Rockett SUD's Responses to Compass Datacenters DFW III, LLC's First Request for Information including:
  - Rockett SUD: Financial Statements and Independent Auditor's Report for the Year Ended December 31, 2016; 2017; 2018; 2019; and 2020
  - Rockett SUD: Schedule of Revenues, Expenses, and Changes in Net Assets Budget Summary for the Year Ending December 31, 2021
- 2021 Region C Water Plan Dated November 2020: Prepared for The Region C Water Planning Group, which includes extensive data on forecast and expected growth in Rockett's service territory

## Background

On November 20, 2021, Compass Datacenters DFW III, LLC filed a petition for streamlined expedited release of property in Ellis County from the service area under water certificate of convenience and necessity (CCN) number 10099. Rockett SUD was identified as the holder of CCN number 10099. There are three contiguous tracts of land owned by Compass. Tract 1 is approximately 93.713 acres of which 75.500 acres is requested being released as part of this petition. Tract 2 is approximately 74.900 acres, of which Petitioner is requesting 71.304 acres be released. Tract 3 is composed of approximately 2.545 acres, of which Petitioner is requesting 2.486 acres be released. Tracts 2 and 3 are under common ownership and therefore, are defined as one tract of land under 16 TAC § 24.3(38). As such, Compass is requesting a total of 149.29 acres be released as part of this petition. These three tracts of land are located within the City of Red Oak city limits east of Interstate 35 and just south of the Dallas County line in Ellis County, Texas. On October 12, 2021, the Commission issued an Order releasing the tracts of land identified in the petition from the Rockett SUD's service area under CCN number 10099.

As noted in the PUC's Decertification Order, "the CCN holder has no facilities or lines that provide water service to the release property." As of today, there is a shell building on part of Tract 1 that is being served by Rockett. This portion of the property is not included in the petition for expedited release. In addition, Compass has started preliminary site work on the properties that are subject to this expedited release.

## Analysis of Valuation Criteria

In this section we evaluate each of the factors outlined in TWC §13.254(g) and 16 TAC § 24.245(j) for the purposes of assessing a valuation of the decertified CCN. I will first state the criteria and then provide my analysis and conclusions regarding an appropriate valuation.

1. **The value of real property owned and utilized by the retail public utility for its facilities.**



Ms. Jamie L. Mauldin  
December 14, 2021  
Page | 4

Findings:

Specific to the expedited release, the certificated area is being released from Rockett's CCN. However, no real property is changing hands as a result of the decertification. Further, according to Findings of Fact Nos. 37, 38, 39, 40, 45, 46, 47, 48, and 49 in

**Appendix A:**

"The release property is not receiving actual water service from the CCN holder."

"The petitioner has not requested water service from the CCN holder or any other utility for the release property, nor has it paid any fees or charges to initiate or maintain such service."

"There are no billing records or other documents indicating an existing water account with the CCN holder for the release property."

"The CCN holder provides water service in the vicinity of, but not on, the release property."

"The CCN holder has not committed or dedicated any facilities or lines to the release property for water service."

"The CCN holder has no facilities or lines that provide water service to the release property."

"The CCN holder has not performed any acts for or supplied anything to the release property."

"The CCN holder provides water service to an approximately 20.752-acre area within the petitioner's tract of land referred to as phase one, but that area is not within the release property."

"The CCN holder has installed equipment on the phase one portion of the tract of land, including an 8-inch domestic water meter, a 2-inch irrigation meter, and a fire hydrant meter, but that equipment is located outside of the release property and does not serve the release property."

No portion of the numerous pages of documents provided by Rockett in response to specific RFIs regarding growth and service to the CCN area contained any conclusive identification of lines or assets that were developed or currently exist for the purpose of servicing the CCN area.

In summary, there are no facilities in the area to be decertified, nor to the best of my knowledge has Rockett SUD performed acts or supplied any service to the subject area. There is no real property that is owned and utilized by Rockett ("retail public facility") for its facilities within the subject area.

Further, no portion of the documents provided by Rockett SUD in response to specific RFIs contained any conclusive documentation regarding expected future development in the specific CCN area. Growth estimates were provided in the form of the 2021 Region C



Ms. Jamie L. Mauldin  
December 14, 2021  
Page | 5

Water Plan, and were general in nature. The estimates showed that the vast majority of Rockett's future growth was expected to occur in Ellis County, where the Compass's Tracts are located. Selected pages from the Water Plan are included as **Appendix B**.

This lack of documentation of specific growth in the CCN area leads to the reasonable conclusion that no growth or development would be expected in the CCN area in the foreseeable future if Rockett were to continue to possess the CCN.

Therefore, it is my opinion that the value for **Factor 1** is \$0.00 associated with real property owned and utilized by the retail public utility.

**2A. The amount of the retail public utility's debt allocable for service to the removed area.**

Findings:

Similar to Item No. 1 above, Rockett SUD has no facilities and/or customers within the subject area, nor has Rockett performed acts or supplied any service to the subject area. Therefore, it is my opinion that \$0.00 in Rockett's current debt is allocable to this area for **Factor 2A**.

**2B. The value of the service facilities of the retail public utility located within the removed area.**

Findings:

The Findings of Fact cited above state conclusively that Rockett SUD does not maintain service facilities on the subject area. Therefore, it is my opinion that there is \$0.00 value to be assigned to **Factor 2B**.

**2C. The amount of any expenditures for planning, design, or construction of the service facilities that are allocable to service to the removed area.**

Findings:

While Rockett SUD may provide service in the general vicinity of the areas to be decertified, additional investment and additional action would be necessary to provide and expand the utility's service to the subject area.

Therefore, based on documentation provided and reviewed, and to the best of my knowledge, I have seen no evidence that expenditures associated with the planning, design, or construction of service facilities can be allocable to the area to be decertified. As a result, I have assigned a \$0.00 value to **Factor 2C**.



**2D. The amount of contractual obligations allocable to the removed area.**

Findings:

As previously stated in the Findings of Fact, Rockett SUD does not have any existing customers or infrastructure located within the subject area.

Therefore, it is unreasonable to allocate any existing contractual obligations to the removed area. As a result, my opinion of value for **Factor 2D** is \$0.00.

**2E. Any demonstrated impairment of service or any increase of cost to consumers remaining after the decertification.**

Findings:

There are no current customers or facilities within the subject area, and the evidence in Factor 1 leads to the reasonable conclusion that no growth or development would be expected in the CCN area for the foreseeable future if Rockett were to continue to possess the CCN.

Therefore, it is my opinion that there is no evidence of impairment of services and/or increase in costs to the remaining customers of Rockett SUD as a result of decertification. No current customers contribute to fixed cost recovery currently from the subject area, and there is no reasonable expectation of future development that will lead to future customers contributing to fixed cost recovery. As a result, my opinion of value for **Factor 2E** is \$0.00.

**2F. The impact on future revenues lost from existing customers.**

Findings:

As previously stated, there are no existing customers within the subject area as specifically stated in the Findings of Fact. Therefore, there is no loss of future revenues from existing customers in the area. Given this, my opinion of value for **Factor 2F** is \$0.00.

**2G. Necessary and reasonable legal expenses and professional fees.**

Findings:

Rockett SUD is entitled to recovery of any necessary and reasonable legal expenses related to its participation in Docket No. 51545, along with professional fees incurred in preparing its determination of compensation. At this time, I do not have any information regarding these amounts. I recommend that the Commission order Rockett SUD to



Ms. Jamie L. Mauldin  
December 14, 2021  
Page | 7

produce invoice documentation in support of any requested legal expenses and professional fees, as well as specific justification for the reasonableness of such expenses. Based on that evidence provided by Rockett the Commission should make a determination as to whether Rockett is entitled to reimbursement for legal and professional expenses, and if so, the total amount of such reimbursement.

## 2H. Any other relevant factors.

### Findings:

As indicated in Docket No. 51545, while Rockett SUD may provide service to nearby properties in the vicinity of the property subject to decertification within this proceeding, there are currently no assets located within the area to be decertified. Rockett would incur additional capital cost to provide service to the subject area.

As shown in the 2021 Region C Water Plan Dated November 2020 and prepared for The Region C Water Planning Group, Section 5E, pages 185-186, based on current projections, Rockett SUD's Total Projected Demands will exceed its currently available supply by 703 ac-ft/year by 2030. According to the Water Plan, "the recommended water management strategies for Rockett SUD include implementing water conservation measures, purchasing additional TRWD water, and expanding the Sokoll WTP."

This refutes any argument that capacity in Rockett's existing treatment plant or distribution facilities would be "stranded" or lose value due to the decertification of this portion of the CCN. First, the evidence in Factor 1 leads to the reasonable conclusion that no growth or development would be expected in the CCN area for the foreseeable future if Rockett were to continue to possess the CCN. This undermines any argument that any of Rockett's existing capacity is for the purpose of serving the CCN area. Second, even if this were the case, Rockett could use this capacity to service its expected growth in other areas. Therefore, the investment could not be considered stranded, or dedicated to the CCN area, nor should Rockett be entitled to compensation for this investment.

Selected pages from the Water Plan are included as **Appendix B**.

Further, I have researched other transactions involving parcels that have been decertified from both water and sewer CCN's. A summary of the transactions is included in **Appendix C**. These transactions date from 2015 through present. The majority of the transactions identified were for decertified parcels that were similar to the circumstances identified in the Compass petition and Order Findings of Fact for PUC Docket No. 51545. Most of the transactions involved one or more appraisals as shown on **Schedule 1**. Additionally, a few of the transactions did not involve an appraisal as a settlement was reached between the two parties before the appraisal process was begun, as identified on **Schedule 2**. As shown on **Schedule 1** and **Schedule 2**, other than an allowance for "necessary and reasonable legal expenses and professional fees" the vast majority of the transactions identified resulted in a PUC Order of no compensation due.



Ms. Jamie L. Mauldin  
December 14, 2021  
Page | 8

I am unaware of any other relevant factors to be considered within this proceeding which would merit further analysis for determining just and adequate compensation.

## Conclusion

Based upon my analysis, as governed by TWC §13.254(g), and on the Commission's Findings of Fact noted above, it is my opinion that the compensation determination for the area subject to the Landowner's application for Expedited Decertification is zero dollars (\$0.00), with the exception that Rockett SUD should be allowed to recover necessary and reasonable legal and professional fees as approved by the Commission.

We appreciate this opportunity to assist you in this matter. If you have any questions, please do not hesitate to contact me at 972.378.6588 or [djackson@willdan.com](mailto:djackson@willdan.com).

Respectfully submitted,

## WILLDAN FINANCIAL SERVICES



**Dan V. Jackson**  
Vice President

## List of Appendices

- Appendix A – Order Approving Expedited Release in PUC Docket No. 51545
- Appendix B – 2021 Region C Water Plan Dated November 2020 (Selected Pages)
- Appendix C – Selected Decertified Parcel Analysis – Texas Public Utility Commission Dockets
- Appendix D – Resume of Dan V. Jackson, MBA



# Appendices



# Appendix A

DOCKET NO. 51545

PETITION OF COMPASS § PUBLIC UTILITY COMMISSION  
DATACENTERS DFW III, LLC TO §  
AMEND ROCKETT SPECIAL § OF TEXAS  
UTILITY DISTRICT'S CERTIFICATE §  
OF CONVENIENCE AND NECESSITY §  
IN ELLIS COUNTY BY EXPEDITED §  
RELEASE §

ORDER

This Order addresses the petition of Compass Datacenters DFW III, LLC for streamlined expedited release of a portion of a tract of land in Ellis County from the service area under certificate of convenience and necessity (CCN) number 10099. Rockett Special Utility District is the holder of CCN number 10099. For the reasons stated in this Order, the Commission releases the land from Rockett SUD's certificated service area. In addition, the Commission amends Rockett SUD's CCN number 10099 to reflect the removal of the tract of land from the service area.

Following entry of this Order, the Commission will determine the amount of compensation, if any, to be awarded to Rockett SUD, which will be addressed by a separate order.

**I. Findings of Fact**

The Commission makes the following findings of fact.

**Petitioner**

1. Compass Datacenters DFW III, LLC is a Delaware limited liability company registered with the Texas secretary of state under filing number 803462401.

**CCN Holder**

2. Rockett SUD is a special utility district operating under chapter 65 of the Texas Water Code (TWC).
3. Rockett SUD holds water CCN number 10099 that obligates it to provide retail water service in its certificated service area in Ellis County.

Docket No. 51545

Order

Page 2 of 8

**Petition**

4. On November 20, 2020, the petitioner filed a petition for streamlined expedited release of a portion of its tract of land from the CCN holder's service area under CCN number 10099.
5. The petition includes documentation demonstrating the petitioner is registered with the Texas secretary of state as a foreign limited liability company; an affidavit, dated November 20, 2020, of Jared Day, the petitioner's president and chief financial officer; general and detailed maps; a special warranty deed dated November 1, 2019, which includes metes and bounds descriptions of the parcels comprising the tract of land; digital mapping data; and proof of notice to the CCN holder.
6. On May 6, 2021, the petitioner filed an amended petition.
7. The amended petition includes documentation demonstrating the petitioner is registered with the Texas secretary of state as a foreign limited liability company; an affidavit, dated May 4, 2021, of Mr. Day; revised mapping materials; a special warranty deed dated November 1, 2019; a special warranty deed executed on November 1, 2019, to be effective on November 8, 2019; revised digital mapping data; and proof of notice to the CCN holder.
8. In Order No. 6 filed on June 4, 2021, the administrative law judge (ALJ) found the petition, as supplemented, administratively complete.

**Notice**

9. On November 20, 2020, a copy of the petition was sent by the petitioner to the CCN holder, by certified mail, return receipt requested.
10. In Order No. 6 filed on June 4, 2021, the ALJ found the notice sufficient.

**Intervention and Response to Petition**

11. In Order No. 2 filed on January 27, 2021, the ALJ granted the CCN holder's motion to intervene.
12. On December 29, 2020, the CCN holder filed a response to the petition.
13. The response includes an affidavit, dated December 29, 2020, of Kay Phillips, general manager of the CCN holder; email correspondence between Ms. Phillips and the CCN holder's legal counsel; a conditional commitment for guarantee dated July 25, 2019, between the CCN holder and the United States Department of Agriculture (USDA) and

Docket No. 51545

Order

Page 3 of 8

related documents; a loan note guarantee dated December 8, 2020; a map of the tracts of land; an application for non-standard water utility service; a non-standard service contract between the petitioner and the CCN holder dated March 17, 2020, with attachments; invoices from the CCN holder to the petitioner; a CCN holder receipt dated March 18, 2020; and a waterline easement dated May 12, 2020, with attachments.

14. On May 14, 2021, the CCN holder filed a response to the amended petition.
15. The response includes the same materials that were included in the CCN holder's December 29, 2020 response.
16. On June 24, 2021, the CCN holder filed another response to the amended petition.
17. The response includes the same materials that were included in the CCN holder's December 29, 2020 response. In addition, the response included additional invoices from the CCN holder to the petitioner; and an affidavit, dated June 23, 2021, by Robert Woodall, the CCN holder's operations manager.

**The Motion to Abate**

18. On December 17, 2020, Commission Staff moved to have this proceeding abated, pending resolution of Docket No. 49871.<sup>1</sup>
19. In Order No. 4 filed on March 9, 2021, the ALJ denied Commission Staff's motion to abate.

**The Motions to Dismiss**

20. On December 29, 2020, the CCN holder filed a motion to dismiss.
21. On January 7, 2021, the petitioner filed a response to the motion to dismiss.
22. In Order No. 4 filed on March 9, 2021, the ALJ denied the motion to dismiss.
23. On May 14, 2021, the CCN holder filed a second motion to dismiss.
24. On May 21, 2021, the petitioner filed a response to the second motion to dismiss.
25. In Order No. 6 filed on June 4, 2021, the ALJ denied the second motion to dismiss.
26. On June 24, 2021, the CCN holder filed a third motion to dismiss.

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<sup>1</sup> *Petition of the City of Red Oak Industrial Development Corporation to Amend Rockett Special Utility District's Water Certificate of Convenience and Necessity in Dallas and Ellis Counties by Expedited Release*, Docket No. 49871, Order (Mar. 5, 2021).

Docket No. 51545

Order

Page 4 of 8

- 27. On July 15, 2021, the petitioner filed a response to the third motion to dismiss.
- 28. In Order No. 7 filed on July 30, 2021, the ALJ denied the third motion to dismiss.

**The Tract of Land**

- 29. The tract of land is approximately 171.158 acres, is in Ellis County, and is comprised of three contiguous parcels.
- 30. Parcel A is approximately 93.713 acres, parcel B is approximately 74.900 acres, and parcel C is approximately 2.545 acres.
- 31. The portion of the tract of land for which the petitioner seeks streamlined expedited release (the release property) is approximately 149.34 acres.
- 32. The release property is located within the CCN holder's certificated service area.

**Ownership of the Tract of Land**

- 33. The petitioner acquired parcels A and B by a special warranty deed dated November 1, 2019.
- 34. The petitioner acquired parcel C by a special warranty deed executed on November 1, 2019, to be effective on November 8, 2019.

**Qualifying County**

- 35. Ellis County has a population of more than 47,500 and is adjacent to Dallas County.
- 36. Dallas County has a population of at least one million.

**Water Service**

- 37. The release property is not receiving actual water service from the CCN holder.
- 38. The petitioner has not requested water service from the CCN holder or any other utility for the release property, nor has it paid any fees or charges to initiate or maintain such service.
- 39. There are no billing records or other documents indicating an existing water account with the CCN holder for the release property.
- 40. The CCN holder provides water service to an approximately 20.752-acre area within the petitioner's tract of land referred to as phase one, but that area is not within the release property.

Docket No. 51545

Order

Page 5 of 8

41. On December 20, 2019, the petitioner submitted to the CCN holder an application for non-standard water utility service, to explore the feasibility of the CCN holder providing water service to phase one, which is located outside the release property, and to phases two, three, and four, which lie, in whole or in part, within the release property.
42. When it applied for non-standard water utility service, the petitioner used the CCN holder's application form, which states that the application does not obligate the CCN holder to provide service until the application has been evaluated and a final non-standard contract has been executed by all necessary parties.
43. Effective March 17, 2020, the petitioner and the CCN holder executed a final non-standard contract which obligated the CCN holder to provide water service to phase one.
44. A final non-standard contract has not been executed by the petitioner and the CCN holder in relation to phases two, three, and four.
45. The CCN holder has installed equipment on the phase one portion of the tract of land, including an 8-inch domestic water meter, a 2-inch irrigation meter, and a fire hydrant meter, but that equipment is located outside of the release property and does not serve the release property.
46. The CCN holder provides water service in the vicinity of, but not on, the release property.
47. The CCN holder has not committed or dedicated any facilities or lines to the release property for water service.
48. The CCN holder has no facilities or lines that provide water service to the release property.
49. The CCN holder has not performed any acts for or supplied anything to the release property.

**Map and Certificate**

50. On July 8, 2021, Commission Staff filed its recommendation on final disposition that included a certificate and a map on which it identified the release property in relationship to the CCN holder's certificated service area.

## II. Conclusions of Law

The Commission makes the following conclusions of law.

1. The Commission has authority over the petition for streamlined expedited release under TWC §§ 13.254 and 13.2541.
2. The petitioner provided notice of the petition in compliance with 16 Texas Administrative Code (TAC) § 24.245(h)(3)(F).
3. No opportunity for a hearing on a petition for streamlined expedited release is provided under TWC §§ 13.254 and 13.2541 or 16 TAC § 24.245(h)(7).
4. Petitions for streamlined expedited release filed under TWC §§ 13.254 and 13.2541 and 16 TAC § 24.245(h) are not contested cases.
5. Landowners seeking streamlined expedited release under TWC §§ 13.254 and 13.2541 and 16 TAC § 24.245(h) are required to submit a verified petition through a notarized affidavit, and the CCN holder may submit a response to the petition.
6. To obtain release under TWC § 13.2541(b), a landowner must demonstrate that the landowner owns a tract of land that is at least 25 acres, that the tract of land is located in a qualifying county, and that the tract of land is not receiving service of the type that the current CCN holder is authorized to provide under the applicable CCN.
7. Ellis County is a qualifying county under TWC § 13.2541(b) and 16 TAC § 24.245(h)(2).
8. The petitioner owns the tract of land, which is at least 25 acres and includes the release property for which it seeks streamlined expedited release through the petition.
9. The release property is not receiving water service under the standards of TWC §§ 13.002(21) and 13.2541(b) and 16 TAC § 24.245(h), as interpreted in *Texas General Land Office v. Crystal Clear Water Supply Corporation*, 449 S.W.3d 130 (Tex. App.—Austin 2014, pet. denied).
10. The petitioner is entitled under TWC § 13.2541(b) to the release of the release property from the CCN holder's certificated service area.
11. After the date of this Order, the CCN holder has no obligation under TWC § 13.254(h) to provide retail water service to the release property.

**Docket No. 51545**

**Order**

**Page 7 of 8**

12. The Commission may release only the property of the landowner from a CCN under TWC§ 13.2541(b). The Commission has no authority to decertificate any facilities or equipment owned and operated by the CCN holder to provide retail water service or retail sewer service through the streamlined-expedited-release process under TWC § 13.2541(b).
13. The Commission processed the petition in accordance with the TWC and Commission rules.
14. Under TWC § 13.257(r) and (s), the CCN holder is required to record certified copies of the approved certificate and map, along with a boundary description of the service area, in the real property records of Ellis County no later than the 31st day after the date the CCN holder receives this Order.
15. A retail public utility may not under TWC § 13.254(d) provide retail water service or retail sewer service to the public within the release property unless just and reasonable compensation under TWC § 13.254(g) has been paid to the CCN holder.

### **III. Ordering Paragraphs**

In accordance with these findings of fact and conclusions of law, the Commission issues the following orders.

1. The Commission releases the release property identified in the petition from the CCN holder's service area under CCN number 10099.
2. The Commission does not decertificate any of the CCN holder's equipment or facilities that may lay on or under the release property.
3. The Commission amends CCN number 10099 in accordance with this Order.
4. The Commission approves the map attached to this Order.
5. The Commission issues the certificate attached to this Order.
6. The CCN holder must file in this docket proof of the recording required in TWC § 13.257(r) and (s) within 45 days of the date of this Order.
7. The proceeding to determine the amount of compensation to be awarded to the CCN holder, if any, commences with the filing of this Order in accordance with the schedule adopted in Order No. 6. Any decision on compensation will be made by a separate order.



Docket No. 51545


Order

Page 8 of 8

8. The Commission denies all other motions and any other requests for general or specific relief not expressly granted by this Order

Signed at Austin, Texas the 12<sup>th</sup> day of October, 2021.

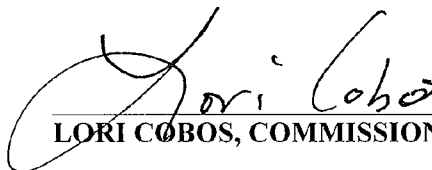
PUBLIC UTILITY COMMISSION OF TEXAS



PETER M. LAKE, CHAIRMAN



WILL MCADAMS, COMMISSIONER



LORI COBOS, COMMISSIONER



JIMMY GLOTELTY, COMMISSIONER



# **Public Utility Commission of Texas**

**By These Presents Be It Known To All That**

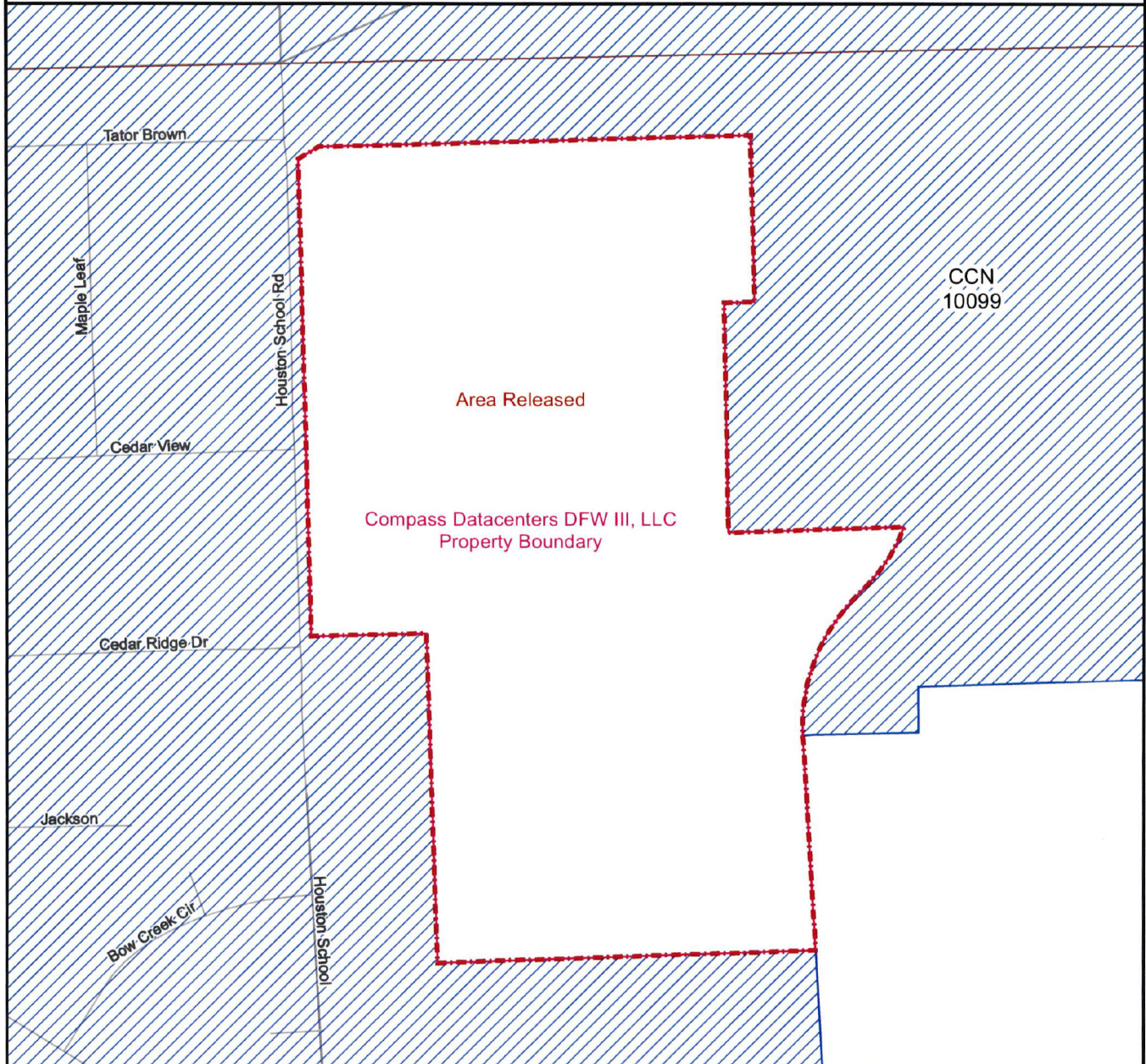
## **Rockett Special Utility District**

having obtained certification to provide water utility service for the convenience and necessity of the public, and it having been determined by this Commission that the public convenience and necessity would in fact be advanced by the provision of such service, Rockett Special Utility District is entitled to this

### **Certificate of Convenience and Necessity No. 10099**

to provide continuous and adequate water utility service to that service area or those service areas in Dallas and Ellis Counties as by final Order or Orders duly entered by this Commission, which Order or Orders resulting from Docket No. 51545 are on file at the Commission offices in Austin, Texas; and are matters of official record available for public inspection; and be it known further that these presents do evidence the authority and the duty of the Rockett Special Utility District to provide such utility service in accordance with the laws of this State and Rules of this Commission, subject only to any power and responsibility of this Commission to revoke or amend this Certificate in whole or in part upon a subsequent showing that the public convenience and necessity would be better served thereby.

Rockett Special Utility District  
 Portion of Water CCN No. 10099  
 PUC Docket No. 51545  
 Petition by Compass Datacenters DFW III, LLC to Amend  
 Rockett Special Utility District's CCN by Expedited Release in Ellis County



**Water CCN**



10099 - Rockett SUD



Area Released



Property Boundary

0 300 600  
Feet



Public Utility Commission of Texas  
 1701 N. Congress Ave  
 Austin, TX 78701

Map by: Komal Patel  
 Date created: June 14, 2021  
 Project Name: 51545RockettSUD.mxd

# Appendix B



# 2021 **REGION C** WATER PLAN

## Volume I. Main Report

November 2020

Prepared for the Region C Water Planning  
Group

Freese and Nichols, Inc.  
Plummer Associates, Inc.

CP&Y, Inc.  
Cooksey Communications

# Attachment Two

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*Projected Population for WUGs in  
Multiple Counties or Regions*



**Attachment 2 - Projected Population for WUGs in Multiple Counties or Regions**

County	Water User Group (WUG)	Final Region C Population					
		2020	2030	2040	2050	2060	2070
KAUFMAN	ABLES SPRINGS WSC	4,502	5,582	6,730	8,443	10,293	12,308
HUNT (D)	ABLES SPRINGS WSC	866	1,327	1,952	2,816	4,046	5,834
VAN ZANDT (D)	ABLES SPRINGS WSC	33	36	39	41	44	45
	<b>ABLES SPRINGS WSC TOTAL</b>	<b>5,401</b>	<b>6,945</b>	<b>8,721</b>	<b>11,300</b>	<b>14,383</b>	<b>18,187</b>
HENDERSON	ATHENS	14,241	15,906	17,294	19,125	32,895	48,841
HENDERSON (I)	ATHENS	274	294	311	333	352	371
	<b>ATHENS TOTAL</b>	<b>14,515</b>	<b>16,200</b>	<b>17,605</b>	<b>19,458</b>	<b>33,247</b>	<b>49,212</b>
PARKER	AZLE	2,467	2,676	2,887	3,100	3,746	4,806
TARRANT	AZLE	9,872	10,701	11,545	12,403	14,985	19,223
	<b>AZLE TOTAL</b>	<b>12,339</b>	<b>13,377</b>	<b>14,432</b>	<b>15,503</b>	<b>18,731</b>	<b>24,029</b>
HENDERSON	B B S WSC	29	30	30	30	30	30
HENDERSON (I)	B B S WSC	1,345	1,388	1,405	1,405	1,405	1,405
	<b>B B S WSC TOTAL</b>	<b>1,374</b>	<b>1,418</b>	<b>1,435</b>	<b>1,435</b>	<b>1,435</b>	<b>1,435</b>
COLLIN	B H P WSC	510	778	1,001	1,011	1,032	1,032
ROCKWALL	B H P WSC	302	375	475	612	808	1,092
HUNT (D)	B H P WSC	4,421	5,494	6,950	8,960	11,824	15,986
	<b>B H P WSC TOTAL</b>	<b>5,233</b>	<b>6,647</b>	<b>8,426</b>	<b>10,583</b>	<b>13,664</b>	<b>18,110</b>
COLLIN	BEAR CREEK SUD	5,179	8,287	11,920	16,695	20,961	26,474
ROCKWALL	BEAR CREEK SUD	670	843	1,159	1,514	3,020	6,383
	<b>BEAR CREEK SUD TOTAL</b>	<b>5,849</b>	<b>9,130</b>	<b>13,079</b>	<b>18,209</b>	<b>23,981</b>	<b>32,857</b>
HENDERSON	BETHEL ASH WSC	2,115	2,385	2,609	2,907	3,163	3,411
HENDERSON (I)	BETHEL ASH WSC	3,154	3,565	3,908	4,362	4,753	5,133
VAN ZANDT (D)	BETHEL ASH WSC	905	1,185	1,399	1,613	1,788	1,938
	<b>BETHEL ASH WSC TOTAL</b>	<b>6,174</b>	<b>7,135</b>	<b>7,916</b>	<b>8,882</b>	<b>9,704</b>	<b>10,482</b>
TARRANT	BETHESDA WSC	10,614	11,933	13,238	14,507	15,778	17,023
JOHNSON (G)	BETHESDA WSC	18,180	20,976	23,861	27,024	30,437	34,090



County	Water User Group (WUG)	Final Region C Population					
		2020	2030	2040	2050	2060	2070
	<b>BETHESDA WSC TOTAL</b>	<b>28,794</b>	<b>32,909</b>	<b>37,099</b>	<b>41,531</b>	<b>46,215</b>	<b>51,113</b>
<b>ROCKWALL</b>	BLACKLAND WSC	4,237	4,804	5,163	5,312	5,986	6,448
<b>HUNT (D)</b>	BLACKLAND WSC	43	43	43	43	43	43
	<b>BLACKLAND WSC TOTAL</b>	<b>4,280</b>	<b>4,847</b>	<b>5,206</b>	<b>5,355</b>	<b>6,029</b>	<b>6,491</b>
<b>COOKE</b>	BOLIVAR WSC	1,169	1,255	1,320	1,386	1,441	1,488
<b>DENTON</b>	BOLIVAR WSC	9,904	12,050	14,614	17,479	20,832	24,660
<b>WISE</b>	BOLIVAR WSC	883	1,018	1,157	1,309	1,472	1,644
	<b>BOLIVAR WSC TOTAL</b>	<b>11,956</b>	<b>14,323</b>	<b>17,091</b>	<b>20,174</b>	<b>23,745</b>	<b>27,792</b>
<b>ELLIS</b>	BRANDON IRENE WSC	70	90	112	145	177	215
<b>NAVARRO</b>	BRANDON IRENE WSC	193	213	234	257	281	307
<b>HILL (G)</b>	BRANDON IRENE WSC	1,750	1,863	1,940	2,018	2,080	2,126
	<b>BRANDON IRENE WSC TOTAL</b>	<b>2,013</b>	<b>2,166</b>	<b>2,286</b>	<b>2,420</b>	<b>2,538</b>	<b>2,648</b>
<b>TARRANT</b>	BURLESON	8,434	8,791	9,768	13,675	16,606	18,559
<b>JOHNSON (G)</b>	BURLESON	34,351	41,851	48,862	53,368	59,303	66,588
	<b>BURLESON TOTAL</b>	<b>42,785</b>	<b>50,642</b>	<b>58,630</b>	<b>67,043</b>	<b>75,909</b>	<b>85,147</b>
<b>COLLIN</b>	CADDO BASIN SUD	2,315	2,922	4,004	5,337	6,868	8,517
<b>HUNT (D)</b>	CADDO BASIN SUD	7,800	10,341	13,788	18,546	25,327	35,181
	<b>CADDO BASIN SUD TOTAL</b>	<b>10,115</b>	<b>13,263</b>	<b>17,792</b>	<b>23,883</b>	<b>32,195</b>	<b>43,698</b>
<b>COLLIN</b>	CARROLLTON	4	6	9	12	15	19
<b>DALLAS</b>	CARROLLTON	51,277	51,277	51,277	51,277	51,277	51,277
<b>DENTON</b>	CARROLLTON	79,200	81,682	81,682	81,682	81,682	81,682
	<b>CARROLLTON TOTAL</b>	<b>130,481</b>	<b>132,965</b>	<b>132,968</b>	<b>132,971</b>	<b>132,974</b>	<b>132,978</b>
<b>ROCKWALL</b>	CASH SUD	1,220	1,580	1,989	2,403	2,864	3,354
<b>HOPKINS (D)</b>	CASH SUD	104	112	119	123	131	138
<b>HUNT (D)</b>	CASH SUD	18,458	22,148	26,579	31,894	38,273	45,925
<b>RAINS (D)</b>	CASH SUD	709	752	764	772	776	778
	<b>CASH SUD TOTAL</b>	<b>20,491</b>	<b>24,592</b>	<b>29,451</b>	<b>35,192</b>	<b>42,044</b>	<b>50,195</b>

County	Water User Group (WUG)	Final Region C Population					
		2020	2030	2040	2050	2060	2070
DALLAS	CEDAR HILL	53,244	65,133	76,989	83,579	83,579	83,579
ELLIS	CEDAR HILL	694	884	1,103	1,421	1,421	1,421
	<b>CEDAR HILL TOTAL</b>	<b>53,938</b>	<b>66,017</b>	<b>78,092</b>	<b>85,000</b>	<b>85,000</b>	<b>85,000</b>
COLLIN	CELINA	21,257	51,038	77,710	105,998	134,286	162,573
DENTON	CELINA	743	5,248	17,514	37,427	37,427	37,427
	<b>CELINA TOTAL</b>	<b>22,000</b>	<b>56,286</b>	<b>95,224</b>	<b>143,425</b>	<b>171,713</b>	<b>200,000</b>
DALLAS	COMBINE WSC	810	986	1,185	1,412	1,669	1,956
KAUFMAN	COMBINE WSC	2,904	3,503	4,122	5,066	6,047	7,089
	<b>COMBINE WSC TOTAL</b>	<b>3,714</b>	<b>4,489</b>	<b>5,307</b>	<b>6,478</b>	<b>7,716</b>	<b>9,045</b>
DALLAS	COPPELL	40,848	41,747	41,809	41,809	41,809	41,809
DENTON	COPPELL	1,134	1,134	1,134	1,134	1,134	1,134
	<b>COPPELL TOTAL</b>	<b>41,982</b>	<b>42,881</b>	<b>42,943</b>	<b>42,943</b>	<b>42,943</b>	<b>42,943</b>
TARRANT	CROWLEY	16,250	18,986	22,679	27,268	34,890	39,874
JOHNSON (G)	CROWLEY	61	96	132	170	212	257
	<b>CROWLEY TOTAL</b>	<b>16,311</b>	<b>19,082</b>	<b>22,811</b>	<b>27,438</b>	<b>35,102</b>	<b>40,131</b>
COLLIN	DALLAS	71,320	73,220	74,169	74,169	74,169	74,169
DALLAS	DALLAS	1,141,059	1,242,191	1,420,781	1,591,937	1,722,709	1,785,569
DENTON	DALLAS	29,680	32,203	36,598	40,789	43,991	45,531
ROCKWALL	DALLAS	77	103	132	162	195	230
	<b>DALLAS TOTAL</b>	<b>1,242,136</b>	<b>1,347,717</b>	<b>1,531,680</b>	<b>1,707,057</b>	<b>1,841,064</b>	<b>1,905,499</b>
FANNIN	DELTA COUNTY MUD	45	45	46	46	47	49
DELTA (D)	DELTA COUNTY MUD	1,794	1,819	1,834	1,859	1,911	1,968
	<b>DELTA COUNTY MUD TOTAL</b>	<b>1,839</b>	<b>1,864</b>	<b>1,880</b>	<b>1,905</b>	<b>1,958</b>	<b>2,017</b>
COLLIN	DESERT WSC	400	451	531	675	917	1,198
FANNIN	DESERT WSC	682	770	817	997	1,442	2,135
GRAYSON	DESERT WSC	618	676	732	792	875	947
	<b>DESERT WSC TOTAL</b>	<b>1,700</b>	<b>1,897</b>	<b>2,080</b>	<b>2,464</b>	<b>3,234</b>	<b>4,280</b>
COLLIN	EAST FORK SUD	10,735	12,040	13,826	13,963	14,492	14,997

County	Water User Group (WUG)	Final Region C Population					
		2020	2030	2040	2050	2060	2070
DALLAS	EAST FORK SUD	3,725	3,725	3,376	4,169	4,942	5,717
ROCKWALL	EAST FORK SUD	1,240	1,735	2,298	2,868	3,566	4,286
	<b>EAST FORK SUD TOTAL</b>	<b>15,700</b>	<b>17,500</b>	<b>19,500</b>	<b>21,000</b>	<b>23,000</b>	<b>25,000</b>
DALLAS	FERRIS	6	10	14	19	23	27
ELLIS	FERRIS	2,944	5,190	7,186	8,181	9,177	10,173
	<b>FERRIS TOTAL</b>	<b>2,950</b>	<b>5,200</b>	<b>7,200</b>	<b>8,200</b>	<b>9,200</b>	<b>10,200</b>
ELLIS	FILES VALLEY WSC	755	961	1,199	1,545	1,896	2,302
HILL (G)	FILES VALLEY WSC	2,538	2,702	2,812	2,928	3,014	3,065
	<b>FILES VALLEY WSC TOTAL</b>	<b>3,293</b>	<b>3,663</b>	<b>4,011</b>	<b>4,473</b>	<b>4,910</b>	<b>5,367</b>
FREESTONE	FLO COMMUNITY WSC	454	489	513	532	545	555
LEON (H)	FLO COMMUNITY WSC	3,858	3,919	3,969	4,036	4,095	4,152
	<b>FLO COMMUNITY WSC TOTAL</b>	<b>4,312</b>	<b>4,408</b>	<b>4,482</b>	<b>4,568</b>	<b>4,640</b>	<b>4,707</b>
DENTON	FLOWER MOUND	75,315	84,200	86,000	88,000	90,000	92,730
TARRANT	FLOWER MOUND	240	270	270	270	270	270
	<b>FLOWER MOUND TOTAL</b>	<b>75,555</b>	<b>84,470</b>	<b>86,270</b>	<b>88,270</b>	<b>90,270</b>	<b>93,000</b>
KAUFMAN	FORNEY LAKE WSC	7,012	8,694	10,482	13,149	22,474	32,306
ROCKWALL	FORNEY LAKE WSC	763	959	1,183	1,409	1,690	1,978
	<b>FORNEY LAKE WSC TOTAL</b>	<b>7,775</b>	<b>9,653</b>	<b>11,665</b>	<b>14,558</b>	<b>24,164</b>	<b>34,284</b>
DENTON	FORT WORTH	36,529	56,185	81,471	114,851	147,198	179,544
JOHNSON (G)	FORT WORTH	0	0	0	5,036	8,057	10,072
PARKER	FORT WORTH	63,316	99,884	113,006	126,940	135,422	143,903
TARRANT	FORT WORTH	848,803	1,042,039	1,282,178	1,395,762	1,493,447	1,592,141
WISE	FORT WORTH	12,176	17,481	22,561	29,015	35,327	41,639
	<b>FORT WORTH TOTAL</b>	<b>960,824</b>	<b>1,215,589</b>	<b>1,499,216</b>	<b>1,671,604</b>	<b>1,819,451</b>	<b>1,967,299</b>
COLLIN	FRISCO	112,747	116,865	137,833	199,910	234,514	251,443
DENTON	FRISCO	75,596	95,300	120,040	121,546	123,051	123,557
	<b>FRISCO TOTAL</b>	<b>188,343</b>	<b>212,165</b>	<b>257,873</b>	<b>321,456</b>	<b>357,565</b>	<b>375,000</b>

County	Water User Group (WUG)	Final Region C Population					
		2020	2030	2040	2050	2060	2070
COLLIN	FROGNOT WSC	1,630	1,904	2,326	2,928	3,344	3,720
HUNT (D)	FROGNOT WSC	27	32	38	47	52	59
	<b>FROGNOT WSC TOTAL</b>	<b>1,657</b>	<b>1,936</b>	<b>2,364</b>	<b>2,975</b>	<b>3,396</b>	<b>3,779</b>
COLLIN	GARLAND	317	396	492	619	755	900
DALLAS	GARLAND	254,381	278,659	293,920	297,792	299,655	299,509
ROCKWALL	GARLAND	3	4	4	5	6	7
	<b>GARLAND TOTAL</b>	<b>254,701</b>	<b>279,059</b>	<b>294,416</b>	<b>298,416</b>	<b>300,416</b>	<b>300,416</b>
DALLAS	GLENN HEIGHTS	13,822	18,831	23,973	29,555	34,995	45,991
ELLIS	GLENN HEIGHTS	3,874	4,929	6,153	7,930	9,728	14,843
	<b>GLENN HEIGHTS TOTAL</b>	<b>17,696</b>	<b>23,760</b>	<b>30,126</b>	<b>37,485</b>	<b>44,723</b>	<b>60,834</b>
DALLAS	GRAND PRAIRIE	166,208	206,781	231,491	231,491	231,491	231,491
ELLIS	GRAND PRAIRIE	55	71	88	114	140	170
TARRANT	GRAND PRAIRIE	51,864	51,864	51,864	51,864	51,864	51,864
	<b>GRAND PRAIRIE TOTAL</b>	<b>218,127</b>	<b>258,716</b>	<b>283,443</b>	<b>283,469</b>	<b>283,495</b>	<b>283,525</b>
COLLIN	HICKORY CREEK SUD	104	149	209	305	433	614
FANNIN	HICKORY CREEK SUD	297	327	348	369	402	438
HUNT (D)	HICKORY CREEK SUD	4,272	6,245	8,920	12,615	17,880	25,530
	<b>HICKORY CREEK SUD TOTAL</b>	<b>4,673</b>	<b>6,721</b>	<b>9,477</b>	<b>13,289</b>	<b>18,715</b>	<b>26,582</b>
KAUFMAN	HIGH POINT WSC	4,314	5,356	6,462	8,057	12,155	15,724
ROCKWALL	HIGH POINT WSC	565	709	873	1,056	1,604	2,091
	<b>HIGH POINT WSC TOTAL</b>	<b>4,879</b>	<b>6,065</b>	<b>7,335</b>	<b>9,113</b>	<b>13,759</b>	<b>17,815</b>
ELLIS	HILCO UNITED SERVICES	149	160	167	183	192	202
	HILCO UNITED SERVICES	5,459	5,882	6,189	6,513	6,822	7,064
	<b>HILCO UNITED SERVICES TOTAL</b>	<b>5,608</b>	<b>6,042</b>	<b>6,356</b>	<b>6,696</b>	<b>7,014</b>	<b>7,266</b>
TARRANT	JOHNSON COUNTY SUD	2,649	2,897	3,233	3,568	3,904	4,240
HILL (G)	JOHNSON COUNTY SUD	127	147	168	191	216	243

County	Water User Group (WUG)	Final Region C Population					
		2020	2030	2040	2050	2060	2070
JOHNSON (G)	JOHNSON COUNTY SUD	39,437	45,811	52,381	59,562	67,296	75,558
	<b>JOHNSON COUNTY SUD TOTAL</b>	<b>42,213</b>	<b>48,855</b>	<b>55,782</b>	<b>63,321</b>	<b>71,416</b>	<b>80,041</b>
COLLIN	JOSEPHINE	1,434	2,300	3,226	4,175	4,352	4,352
HUNT (D)	JOSEPHINE	184	325	517	783	783	783
	<b>JOSEPHINE TOTAL</b>	<b>1,618</b>	<b>2,625</b>	<b>3,743</b>	<b>4,958</b>	<b>5,135</b>	<b>5,135</b>
DALLAS	LEWISVILLE	841	841	841	841	841	841
DENTON	LEWISVILLE	106,485	121,082	138,526	158,014	176,513	176,513
	<b>LEWISVILLE TOTAL</b>	<b>107,326</b>	<b>121,923</b>	<b>139,367</b>	<b>158,855</b>	<b>177,354</b>	<b>177,354</b>
HENDERSON	MABANK	3,715	4,141	4,568	5,975	8,339	11,619
KAUFMAN	MABANK	6,048	6,673	7,208	9,726	13,712	19,106
VAN ZANDT (D)	MABANK	243	271	299	391	546	761
	<b>MABANK TOTAL</b>	<b>10,006</b>	<b>11,085</b>	<b>12,075</b>	<b>16,092</b>	<b>22,597</b>	<b>31,486</b>
KAUFMAN	MACBEE SUD	267	331	399	501	611	730
HUNT (D)	MACBEE SUD	346	430	544	701	925	1,250
VAN ZANDT (D)	MACBEE SUD	7,068	7,757	8,283	8,806	9,240	9,612
	<b>MACBEE SUD TOTAL</b>	<b>7,681</b>	<b>8,518</b>	<b>9,226</b>	<b>10,008</b>	<b>10,776</b>	<b>11,592</b>
ELLIS	MANSFIELD	110	130	162	236	293	361
TARRANT	MANSFIELD	67,501	85,935	102,678	127,297	146,050	164,697
JOHNSON (G)	MANSFIELD	2,576	3,695	4,849	6,115	7,481	8,942
	<b>MANSFIELD TOTAL</b>	<b>70,187</b>	<b>89,760</b>	<b>107,689</b>	<b>133,648</b>	<b>153,824</b>	<b>174,000</b>
COLLIN	MARILEE SUD	4,580	4,580	4,663	4,663	4,663	4,663
GRAYSON	MARILEE SUD	3,106	3,375	3,570	3,570	3,570	3,570
	<b>MARILEE SUD TOTAL</b>	<b>7,686</b>	<b>7,955</b>	<b>8,233</b>	<b>8,233</b>	<b>8,233</b>	<b>8,233</b>
DALLAS	MESQUITE	149,800	164,758	186,045	202,822	219,171	235,561
KAUFMAN	MESQUITE	136	170	204	257	313	374
	<b>MESQUITE TOTAL</b>	<b>149,936</b>	<b>164,928</b>	<b>186,249</b>	<b>203,079</b>	<b>219,484</b>	<b>235,935</b>
PARKER	MINERAL WELLS	2,107	2,078	2,044	2,004	1,958	1,905
PALO PINTO (G)	MINERAL WELLS	15,820	16,978	17,760	18,483	19,034	19,470

County	Water User Group (WUG)	Final Region C Population					
		2020	2030	2040	2050	2060	2070
	<b>MINERAL WELLS TOTAL</b>	<b>17,927</b>	<b>19,056</b>	<b>19,804</b>	<b>20,487</b>	<b>20,992</b>	<b>21,375</b>
<b>ELLIS</b>	MOUNTAIN PEAK SUD	9,467	12,047	12,800	18,377	21,269	23,861
<b>JOHNSON (G)</b>	MOUNTAIN PEAK SUD	3,579	4,362	5,170	6,056	7,012	8,035
	<b>MOUNTAIN PEAK SUD TOTAL</b>	<b>13,046</b>	<b>16,409</b>	<b>17,970</b>	<b>24,433</b>	<b>28,281</b>	<b>31,896</b>
<b>COOKE</b>	MOUNTAIN SPRING WSC	2,654	2,848	2,998	3,146	5,000	7,999
<b>DENTON</b>	MOUNTAIN SPRING WSC	55	61	68	74	84	94
	<b>MOUNTAIN SPRING WSC TOTAL</b>	<b>2,709</b>	<b>2,909</b>	<b>3,066</b>	<b>3,220</b>	<b>5,084</b>	<b>8,093</b>
<b>DENTON</b>	MUSTANG SUD	30,336	56,772	83,209	109,647	136,080	162,519
<b>GRAYSON</b>	MUSTANG SUD	264	268	271	273	280	281
	<b>MUSTANG SUD TOTAL</b>	<b>30,600</b>	<b>57,040</b>	<b>83,480</b>	<b>109,920</b>	<b>136,360</b>	<b>162,800</b>
<b>COLLIN</b>	Nevada WSC	2,418	2,983	3,512	11,407	27,028	48,652
<b>ROCKWALL</b>	Nevada WSC	75	91	111	449	1,122	2,019
	<b>Nevada WSC TOTAL</b>	<b>2,493</b>	<b>3,074</b>	<b>3,623</b>	<b>11,856</b>	<b>28,150</b>	<b>50,671</b>
<b>FANNIN</b>	NORTH HUNT SUD	525	577	617	653	709	769
<b>DELTA (D)</b>	NORTH HUNT SUD	286	290	290	290	290	290
<b>HUNT (D)</b>	NORTH HUNT SUD	3,522	4,602	6,069	8,092	10,974	15,163
	<b>NORTH HUNT SUD TOTAL</b>	<b>4,333</b>	<b>5,469</b>	<b>6,976</b>	<b>9,035</b>	<b>11,973</b>	<b>16,222</b>
<b>PARKER</b>	NORTH RURAL WSC	770	826	864	899	926	947
<b>PALO PINTO (G)</b>	NORTH RURAL WSC	1,631	1,750	1,831	1,905	1,962	2,006
	<b>NORTH RURAL WSC TOTAL</b>	<b>2,401</b>	<b>2,576</b>	<b>2,695</b>	<b>2,804</b>	<b>2,888</b>	<b>2,953</b>
<b>DALLAS</b>	OVILLA	485	624	768	924	1,076	1,862
<b>ELLIS</b>	OVILLA	4,000	5,089	6,352	8,186	10,042	18,505
	<b>OVILLA TOTAL</b>	<b>4,485</b>	<b>5,713</b>	<b>7,120</b>	<b>9,110</b>	<b>11,118</b>	<b>20,367</b>
<b>PARKER</b>	PARKER COUNTY SUD	6,762	10,732	14,702	18,672	22,642	26,612
<b>PALO PINTO (G)</b>	PARKER COUNTY SUD	60	80	102	128	158	193

County	Water User Group (WUG)	Final Region C Population					
		2020	2030	2040	2050	2060	2070
	<b>PARKER COUNTY SUD TOTAL</b>	<b>6,822</b>	<b>10,812</b>	<b>14,804</b>	<b>18,800</b>	<b>22,800</b>	<b>26,805</b>
<b>COLLIN</b>	PLANO	279,151	283,397	287,717	288,601	289,054	292,054
<b>DENTON</b>	PLANO	7,449	7,747	7,946	7,946	7,946	7,946
	<b>PLANO TOTAL</b>	<b>286,600</b>	<b>291,144</b>	<b>295,663</b>	<b>296,547</b>	<b>297,000</b>	<b>300,000</b>
<b>FREESTONE</b>	PLEASANT GROVE WSC	1,243	1,288	1,402	1,877	2,649	4,292
<b>NAVARRO</b>	PLEASANT GROVE WSC	111	115	125	167	236	383
	<b>PLEASANT GROVE WSC TOTAL</b>	<b>1,354</b>	<b>1,403</b>	<b>1,527</b>	<b>2,044</b>	<b>2,885</b>	<b>4,675</b>
<b>KAUFMAN</b>	POETRY WSC	909	1,136	1,402	1,866	2,527	3,402
<b>HUNT (D)</b>	POETRY WSC	2,303	2,909	3,668	4,729	6,341	8,535
	<b>POETRY WSC TOTAL</b>	<b>3,212</b>	<b>4,045</b>	<b>5,070</b>	<b>6,595</b>	<b>8,868</b>	<b>11,937</b>
<b>FREESTONE</b>	POINT ENTERPRISE WSC	817	865	905	948	983	1,013
<b>LIMESTONE (G)</b>	POINT ENTERPRISE WSC	782	825	858	889	916	935
	<b>POINT ENTERPRISE WSC TOTAL</b>	<b>1,599</b>	<b>1,690</b>	<b>1,763</b>	<b>1,837</b>	<b>1,899</b>	<b>1,948</b>
<b>NAVARRO</b>	POST OAK SUD	706	757	801	874	973	1,099
<b>HILL (G)</b>	POST OAK SUD	898	963	1,020	1,112	1,239	1,369
<b>LIMESTONE (G)</b>	POST OAK SUD	152	163	173	185	199	213
	<b>POST OAK SUD TOTAL</b>	<b>1,756</b>	<b>1,883</b>	<b>1,994</b>	<b>2,171</b>	<b>2,411</b>	<b>2,681</b>
<b>COLLIN</b>	PROSPER	19,003	22,000	25,000	28,000	35,056	35,056
<b>DENTON</b>	PROSPER	1,157	5,609	10,058	15,029	15,944	15,944
	<b>PROSPER TOTAL</b>	<b>20,160</b>	<b>27,609</b>	<b>35,058</b>	<b>43,029</b>	<b>51,000</b>	<b>51,000</b>
<b>GRAYSON</b>	RED RIVER AUTHORITY OF TEXAS	1,457	1,625	1,773	1,921	2,062	1,976
<b>CHILDRESS (A)</b>	RED RIVER AUTHORITY OF TEXAS	942	978	1,007	1,036	1,066	1,094
<b>CLAY (B)</b>	RED RIVER AUTHORITY OF TEXAS	1,542	1,542	1,542	1,542	1,542	1,542

County	Water User Group (WUG)	Final Region C Population					
		2020	2030	2040	2050	2060	2070
<b>COLLINGSWORTH (A)</b>	RED RIVER AUTHORITY OF TEXAS	576	642	701	759	815	860
<b>COTTLE (B)</b>	RED RIVER AUTHORITY OF TEXAS	49	49	49	49	49	49
<b>DICKENS (O)</b>	RED RIVER AUTHORITY OF TEXAS	45	50	55	59	64	68
<b>DONLEY (A)</b>	RED RIVER AUTHORITY OF TEXAS	950	1,059	1,156	1,252	1,345	1,432
<b>FOARD (B)</b>	RED RIVER AUTHORITY OF TEXAS	363	363	363	363	363	363
<b>HALL (A)</b>	RED RIVER AUTHORITY OF TEXAS	364	406	442	479	442	470
<b>HARDEMAN (B)</b>	RED RIVER AUTHORITY OF TEXAS	524	584	637	690	741	789
<b>KING (B)</b>	RED RIVER AUTHORITY OF TEXAS	217	217	217	217	217	217
<b>KNOX (G)</b>	RED RIVER AUTHORITY OF TEXAS	111	124	125	128	128	129
<b>MONTAGUE (B)</b>	RED RIVER AUTHORITY OF TEXAS	316	352	385	417	447	476
<b>MOTLEY (O)</b>	RED RIVER AUTHORITY OF TEXAS	23	26	28	31	33	35
<b>WILBARGER (B)</b>	RED RIVER AUTHORITY OF TEXAS	1,050	1,171	1,279	1,386	1,487	1,584
	<b>RED RIVER AUTHORITY OF TEXAS TOTAL</b>	<b>8,529</b>	<b>9,188</b>	<b>9,759</b>	<b>10,329</b>	<b>10,801</b>	<b>11,084</b>
<b>PARKER</b>	RENO	2,522	2,566	2,613	2,670	2,734	2,809
<b>TARRANT</b>	RENO	15	22	29	36	44	49
	<b>RENO TOTAL</b>	<b>2,537</b>	<b>2,588</b>	<b>2,642</b>	<b>2,706</b>	<b>2,778</b>	<b>2,858</b>
<b>ELLIS</b>	RICE WATER SUPPLY AND SEWER SERVICE	5,861	7,190	8,710	10,758	12,925	15,421
<b>NAVARRO</b>	RICE WATER SUPPLY AND SEWER SERVICE	3,660	4,511	5,492	6,514	7,828	9,338
	<b>RICE WATER SUPPLY AND SEWER SERVICE TOTAL</b>	<b>9,521</b>	<b>11,701</b>	<b>14,202</b>	<b>17,272</b>	<b>20,753</b>	<b>24,759</b>



County	Water User Group (WUG)	Final Region C Population					
		2020	2030	2040	2050	2060	2070
COLLIN	RICHARDSON	35,700	35,700	35,700	36,536	38,207	41,690
DALLAS	RICHARDSON	73,816	76,839	79,892	82,378	82,378	82,378
	<b>RICHARDSON TOTAL</b>	<b>109,516</b>	<b>112,539</b>	<b>115,592</b>	<b>118,914</b>	<b>120,585</b>	<b>124,068</b>
DALLAS	ROCKETT SUD	1,000	2,000	2,999	3,999	4,999	5,999
ELLIS	ROCKETT SUD	39,447	51,008	56,000	75,000	100,000	130,000
	<b>ROCKETT SUD TOTAL</b>	<b>40,447</b>	<b>53,008</b>	<b>58,999</b>	<b>78,999</b>	<b>104,999</b>	<b>135,999</b>
DALLAS	ROWLETT	59,891	65,397	70,903	75,409	78,784	83,228
ROCKWALL	ROWLETT	7,632	7,632	7,632	7,632	7,763	7,825
	<b>ROWLETT TOTAL</b>	<b>67,523</b>	<b>73,029</b>	<b>78,535</b>	<b>83,041</b>	<b>86,547</b>	<b>91,053</b>
COLLIN	ROYSE CITY	2,225	10,604	19,182	30,063	40,153	52,844
ROCKWALL	ROYSE CITY	9,054	9,706	10,000	24,000	40,712	45,160
HUNT (D)	ROYSE CITY	372	462	584	753	994	1,345
	<b>ROYSE CITY TOTAL</b>	<b>11,651</b>	<b>20,772</b>	<b>29,766</b>	<b>54,816</b>	<b>81,859</b>	<b>99,349</b>
COLLIN	SACHSE	8,108	8,108	8,108	8,441	8,535	8,535
DALLAS	SACHSE	20,596	20,596	20,596	20,596	20,596	20,596
	<b>SACHSE TOTAL</b>	<b>28,704</b>	<b>28,704</b>	<b>28,704</b>	<b>29,037</b>	<b>29,131</b>	<b>29,131</b>
PARKER	SANTO SUD	94	102	108	114	121	128
HOOD (G)	SANTO SUD	55	60	63	67	70	75
PALO PINTO (G)	SANTO SUD	2,028	2,208	2,330	2,470	2,614	2,768
	<b>SANTO SUD TOTAL</b>	<b>2,177</b>	<b>2,370</b>	<b>2,501</b>	<b>2,651</b>	<b>2,805</b>	<b>2,971</b>
DALLAS	SEAGOVILLE	18,853	22,871	26,888	30,904	34,987	34,974
KAUFMAN	SEAGOVILLE	29	36	44	55	67	80
	<b>SEAGOVILLE TOTAL</b>	<b>18,882</b>	<b>22,907</b>	<b>26,932</b>	<b>30,959</b>	<b>35,054</b>	<b>35,054</b>
ELLIS	SOUTH ELLIS COUNTY WSC	1,563	1,887	2,313	3,144	4,227	5,902
NAVARRO	SOUTH ELLIS COUNTY WSC	59	71	88	115	154	215
	<b>SOUTH ELLIS COUNTY WSC TOTAL</b>	<b>1,622</b>	<b>1,958</b>	<b>2,401</b>	<b>3,259</b>	<b>4,381</b>	<b>6,117</b>
COLLIN	SOUTH GRAYSON SUD	1,232	1,538	2,057	2,501	2,920	3,324

County	Water User Group (WUG)	Final Region C Population					
		2020	2030	2040	2050	2060	2070
GRAYSON	SOUTH GRAYSON SUD	2,902	3,118	3,565	3,717	3,928	4,052
	<b>SOUTH GRAYSON SUD TOTAL</b>	<b>4,134</b>	<b>4,656</b>	<b>5,622</b>	<b>6,218</b>	<b>6,848</b>	<b>7,376</b>
DENTON	SOUTHLAKE	1,014	1,310	1,662	2,057	2,518	3,045
TARRANT	SOUTHLAKE	26,695	29,882	34,862	39,843	44,823	49,803
	<b>SOUTHLAKE TOTAL</b>	<b>27,709</b>	<b>31,192</b>	<b>36,524</b>	<b>41,900</b>	<b>47,341</b>	<b>52,848</b>
FANNIN	SOUTHWEST FANNIN COUNTY SUD	4,108	4,516	4,806	5,090	6,114	7,269
GRAYSON	SOUTHWEST FANNIN COUNTY SUD	1,727	2,308	3,072	3,947	5,382	7,061
	<b>SOUTHWEST FANNIN COUNTY SUD TOTAL</b>	<b>5,835</b>	<b>6,824</b>	<b>7,878</b>	<b>9,037</b>	<b>11,496</b>	<b>14,330</b>
COOKE	TWO WAY SUD	100	108	113	119	124	128
GRAYSON	TWO WAY SUD	6,156	7,963	9,411	11,368	15,200	19,653
	<b>TWO WAY SUD TOTAL</b>	<b>6,256</b>	<b>8,071</b>	<b>9,524</b>	<b>11,487</b>	<b>15,324</b>	<b>19,781</b>
ELLIS	VENUS	81	102	128	165	202	246
JOHNSON (G)	VENUS	3,335	3,848	4,377	4,957	5,583	6,253
	<b>VENUS TOTAL</b>	<b>3,416</b>	<b>3,950</b>	<b>4,505</b>	<b>5,122</b>	<b>5,785</b>	<b>6,499</b>
HENDERSON	VIRGINIA HILL WSC	2,384	2,734	3,027	3,413	3,774	4,246
HENDERSON (I)	VIRGINIA HILL WSC	3,335	3,848	4,377	4,957	5,583	6,253
	<b>VIRGINIA HILL WSC TOTAL</b>	<b>5,719</b>	<b>6,582</b>	<b>7,404</b>	<b>8,370</b>	<b>9,357</b>	<b>10,499</b>
PARKER	WALNUT CREEK SUD	17,811	21,176	22,589	32,601	48,379	63,430
WISE	WALNUT CREEK SUD	3,540	4,790	6,072	7,487	11,101	14,351
	<b>WALNUT CREEK SUD TOTAL</b>	<b>21,351</b>	<b>25,966</b>	<b>28,661</b>	<b>40,088</b>	<b>59,480</b>	<b>77,781</b>
HENDERSON	WEST CEDAR CREEK MUD	13,963	14,406	14,817	15,570	19,500	24,500
KAUFMAN	WEST CEDAR CREEK MUD	4,103	4,560	5,009	5,861	6,705	7,605
	<b>WEST CEDAR CREEK MUD TOTAL</b>	<b>18,066</b>	<b>18,966</b>	<b>19,826</b>	<b>21,431</b>	<b>26,205</b>	<b>32,105</b>

County	Water User Group (WUG)	Final Region C Population					
		2020	2030	2040	2050	2060	2070
COLLIN	WEST LEONARD WSC	318	362	441	596	857	1,142
FANNIN	WEST LEONARD WSC	1,238	1,362	1,310	1,388	1,623	1,996
HUNT (D)	WEST LEONARD WSC	50	57	70	90	129	171
	<b>WEST LEONARD WSC TOTAL</b>	<b>1,606</b>	<b>1,781</b>	<b>1,821</b>	<b>2,074</b>	<b>2,609</b>	<b>3,309</b>
DENTON	WESTLAKE	26	34	45	56	69	85
TARRANT	WESTLAKE	1,515	4,200	6,882	7,694	7,681	7,665
	<b>WESTLAKE TOTAL</b>	<b>1,541</b>	<b>4,234</b>	<b>6,927</b>	<b>7,750</b>	<b>7,750</b>	<b>7,750</b>
COLLIN	WESTMINSTER WSC	1,889	2,204	2,687	3,377	3,851	4,277
GRAYSON	WESTMINSTER WSC	20	24	29	35	40	44
	<b>WESTMINSTER WSC</b>	<b>1,909</b>	<b>2,228</b>	<b>2,716</b>	<b>3,412</b>	<b>3,891</b>	<b>4,321</b>
FANNIN	WHITEWRIGHT	10	11	12	13	14	15
GRAYSON	WHITEWRIGHT	1,896	1,919	1,941	1,867	1,978	2,199
	<b>WHITEWRIGHT TOTAL</b>	<b>1,906</b>	<b>1,930</b>	<b>1,953</b>	<b>1,880</b>	<b>1,992</b>	<b>2,214</b>
FANNIN	WOLFE CITY	90	112	142	183	242	327
HUNT (D)	WOLFE CITY	1,720	2,137	2,704	3,486	4,600	6,220
	<b>WOLFE CITY TOTAL</b>	<b>1,810</b>	<b>2,249</b>	<b>2,846</b>	<b>3,669</b>	<b>4,842</b>	<b>6,547</b>
COOKE	WOODBINE WSC	6,131	6,946	7,762	8,577	9,390	10,203
GRAYSON	WOODBINE WSC	79	89	97	107	121	131
	<b>WOODBINE WSC TOTAL</b>	<b>6,210</b>	<b>7,035</b>	<b>7,859</b>	<b>8,684</b>	<b>9,511</b>	<b>10,334</b>
COLLIN	WYLIE	41,381	44,531	46,984	50,563	52,636	57,986
DALLAS	WYLIE	2,324	2,388	2,452	2,515	2,579	2,704
ROCKWALL	WYLIE	3,451	3,546	3,640	3,734	3,894	4,119
	<b>WYLIE TOTAL</b>	<b>47,156</b>	<b>50,465</b>	<b>53,076</b>	<b>56,812</b>	<b>59,109</b>	<b>64,809</b>

# Attachment Four

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## *Municipal Demand for WUGs in Multiple Counties or Regions*



**Attachment 4 - Projected Municipal Demand for WUGs in Multiple Counties or Regions**

County	Water User Group (WUG)	Region C Final Demand (Acre-Feet per Year)					
		2020	2030	2040	2050	2060	2070
KAUFMAN	ABLES SPRINGS WSC	303	375	452	567	692	827
HUNT (D)	ABLES SPRINGS WSC	58	89	131	189	272	392
VAN ZANDT (D)	ABLES SPRINGS WSC	2	2	3	3	3	3
	<b>ABLES SPRINGS WSC TOTAL</b>	<b>363</b>	<b>466</b>	<b>586</b>	<b>759</b>	<b>967</b>	<b>1,222</b>
HENDERSON	ATHENS	2,906	3,174	3,400	3,730	6,394	9,484
HENDERSON (I)	ATHENS	56	59	61	65	68	72
	<b>ATHENS TOTAL</b>	<b>2,962</b>	<b>3,233</b>	<b>3,461</b>	<b>3,795</b>	<b>6,462</b>	<b>9,556</b>
PARKER	AZLE	386	407	430	457	551	705
TARRANT	AZLE	1,546	1,629	1,721	1,829	2,203	2,822
	<b>AZLE TOTAL</b>	<b>1,932</b>	<b>2,036</b>	<b>2,151</b>	<b>2,286</b>	<b>2,754</b>	<b>3,527</b>
HENDERSON (C)	B B S WSC	3	3	3	3	3	3
HENDERSON (I)	B B S WSC	131	130	127	124	124	124
	<b>B B S WSC TOTAL</b>	<b>134</b>	<b>133</b>	<b>130</b>	<b>127</b>	<b>127</b>	<b>127</b>
COLLIN	B H P WSC	38	55	68	68	69	69
ROCKWALL	B H P WSC	23	26	32	41	54	73
HUNT (D)	B H P WSC	330	386	471	602	795	1,074
	<b>B H P WSC TOTAL</b>	<b>391</b>	<b>467</b>	<b>571</b>	<b>711</b>	<b>918</b>	<b>1,216</b>
HENDERSON	BETHEL ASH WSC	215	234	251	276	300	323
HENDERSON (I)	BETHEL ASH WSC	321	350	376	414	450	486
VAN ZANDT (D)	BETHEL ASH WSC	92	116	134	153	169	183
	<b>BETHEL ASH WSC TOTAL</b>	<b>628</b>	<b>700</b>	<b>761</b>	<b>843</b>	<b>919</b>	<b>992</b>
TARRANT	BETHESDA WSC	2,225	2,448	2,678	2,914	3,164	3,412
JOHNSON (G)	BETHESDA WSC	3,811	4,304	4,826	5,428	6,104	6,833
	<b>BETHESDA WSC TOTAL</b>	<b>6,036</b>	<b>6,752</b>	<b>7,504</b>	<b>8,342</b>	<b>9,268</b>	<b>10,245</b>
ROCKWALL	BLACKLAND WSC	857	952	1,009	1,030	1,159	1,248
HUNT (D)	BLACKLAND WSC	9	9	8	8	8	8

County	Water User Group (WUG)	Region C Final Demand (Acre-Feet per Year)					
		2020	2030	2040	2050	2060	2070
	<b>BLACKLAND WSC TOTAL</b>	<b>866</b>	<b>961</b>	<b>1,017</b>	<b>1,038</b>	<b>1,167</b>	<b>1,256</b>
<b>COOKE</b>	BOLIVAR WSC	104	107	109	113	117	121
<b>DENTON</b>	BOLIVAR WSC	885	1,028	1,212	1,429	1,697	2,007
<b>WISE</b>	BOLIVAR WSC	79	87	96	107	120	134
	<b>BOLIVAR WSC TOTAL</b>	<b>1,068</b>	<b>1,222</b>	<b>1,417</b>	<b>1,649</b>	<b>1,934</b>	<b>2,262</b>
<b>ELLIS</b>	BRANDON IRENE WSC	9	11	14	18	22	26
<b>HILL (G)</b>	BRANDON IRENE WSC	231	237	239	246	253	259
<b>NAVARRO</b>	BRANDON IRENE WSC	25	27	29	31	34	37
	<b>BRANDON IRENE WSC TOTAL</b>	<b>265</b>	<b>275</b>	<b>282</b>	<b>295</b>	<b>309</b>	<b>322</b>
<b>TARRANT</b>	BURLESON	1,275	1,299	1,425	1,982	2,402	2,683
<b>JOHNSON (G)</b>	BURLESON	5,191	6,185	7,128	7,736	8,578	9,626
	<b>BURLESON TOTAL</b>	<b>6,466</b>	<b>7,484</b>	<b>8,553</b>	<b>9,718</b>	<b>10,980</b>	<b>12,309</b>
<b>COLLIN</b>	CADDO BASIN SUD	258	312	417	551	707	876
<b>HUNT (D)</b>	CADDO BASIN SUD	870	1,105	1,438	1,914	2,607	3,617
	<b>CADDO BASIN SUD TOTAL</b>	<b>1,128</b>	<b>1,417</b>	<b>1,855</b>	<b>2,465</b>	<b>3,314</b>	<b>4,493</b>
<b>COLLIN</b>	CARROLLTON	1	1	2	2	3	3
<b>DALLAS</b>	CARROLLTON	9,532	9,329	9,173	9,087	9,070	9,069
<b>DENTON</b>	CARROLLTON	14,723	14,861	14,613	14,476	14,448	14,446
	<b>CARROLLTON TOTAL</b>	<b>24,256</b>	<b>24,191</b>	<b>23,788</b>	<b>23,565</b>	<b>23,521</b>	<b>23,518</b>
<b>ROCKWALL</b>	CASH SUD	140	176	217	260	309	362
<b>HOPKINS (D)</b>	CASH SUD	12	12	13	13	14	15
<b>HUNT (D)</b>	CASH SUD	2,120	2,464	2,902	3,451	4,130	4,950
<b>RAINS (D)</b>	CASH SUD	81	84	83	84	84	84
	<b>CASH SUD TOTAL</b>	<b>2,353</b>	<b>2,736</b>	<b>3,215</b>	<b>3,808</b>	<b>4,537</b>	<b>5,411</b>

County	Water User Group (WUG)	Region C Final Demand (Acre-Feet per Year)					
		2020	2030	2040	2050	2060	2070
DALLAS	CEDAR HILL	10,660	12,810	14,994	16,201	16,186	16,184
ELLIS	CEDAR HILL	139	174	215	275	275	275
	<b>CEDAR HILL TOTAL</b>	<b>10,799</b>	<b>12,984</b>	<b>15,209</b>	<b>16,476</b>	<b>16,461</b>	<b>16,459</b>
COLLIN	CELINA	4,419	10,515	15,980	21,784	27,596	33,405
DENTON	CELINA	154	1,081	3,602	7,691	7,691	7,690
	<b>CELINA TOTAL</b>	<b>4,573</b>	<b>11,596</b>	<b>19,582</b>	<b>29,475</b>	<b>35,287</b>	<b>41,095</b>
DALLAS	COMBINE WSC	77	90	105	123	145	170
KAUFMAN	COMBINE WSC	275	318	365	442	526	616
	<b>COMBINE WSC TOTAL</b>	<b>352</b>	<b>408</b>	<b>470</b>	<b>565</b>	<b>671</b>	<b>786</b>
DALLAS	COPPELL	10,828	10,928	10,848	10,793	10,779	10,779
DENTON	COPPELL	301	297	294	293	292	292
	<b>COPPELL TOTAL</b>	<b>11,129</b>	<b>11,225</b>	<b>11,142</b>	<b>11,086</b>	<b>11,071</b>	<b>11,071</b>
TARRANT	CROWLEY	2,409	2,753	3,244	3,874	4,945	5,647
JOHNSON (G)	CROWLEY	9	14	19	24	30	36
	<b>CROWLEY TOTAL</b>	<b>2,418</b>	<b>2,767</b>	<b>3,263</b>	<b>3,898</b>	<b>4,975</b>	<b>5,683</b>
COLLIN	DALLAS	15,806	15,886	15,830	15,706	15,681	15,679
DALLAS	DALLAS	252,895	269,507	303,241	337,113	364,228	377,457
DENTON	DALLAS	6,578	6,987	7,811	8,638	9,301	9,625
ROCKWALL	DALLAS	17	22	28	34	41	48
	<b>DALLAS TOTAL</b>	<b>275,296</b>	<b>292,402</b>	<b>326,910</b>	<b>361,491</b>	<b>389,251</b>	<b>402,810</b>
FANNIN	DELTA COUNTY MUD	3	3	3	3	3	3
DELTA (D)	DELTA COUNTY MUD	127	123	124	125	129	133
	<b>DELTA COUNTY MUD TOTAL</b>	<b>130</b>	<b>126</b>	<b>127</b>	<b>128</b>	<b>132</b>	<b>136</b>
COLLIN	DESERT WSC	51	56	64	81	110	144
FANNIN	DESERT WSC	86	95	99	120	173	256
GRAYSON	DESERT WSC	78	83	89	95	105	114
	<b>DESERT WSC TOTAL</b>	<b>215</b>	<b>234</b>	<b>252</b>	<b>296</b>	<b>388</b>	<b>514</b>



County	Water User Group (WUG)	Region C Final Demand (Acre-Feet per Year)					
		2020	2030	2040	2050	2060	2070
<b>COLLIN</b>	EAST FORK SUD	1,308	1,407	1,581	1,581	1,638	1,694
<b>DALLAS</b>	EAST FORK SUD	454	435	386	472	558	646
<b>ROCKWALL</b>	EAST FORK SUD	151	203	263	325	403	484
	<b>EAST FORK SUD TOTAL</b>	<b>1,913</b>	<b>2,045</b>	<b>2,230</b>	<b>2,378</b>	<b>2,599</b>	<b>2,824</b>
<b>DALLAS</b>	FERRIS	1	2	2	3	3	4
<b>ELLIS</b>	FERRIS	460	787	1,069	1,206	1,348	1,492
	<b>FERRIS TOTAL</b>	<b>461</b>	<b>789</b>	<b>1,071</b>	<b>1,209</b>	<b>1,351</b>	<b>1,496</b>
<b>ELLIS</b>	FILES VALLEY WSC	116	143	175	223	273	332
<b>HILL (G)</b>	FILES VALLEY WSC	389	402	410	423	434	441
	<b>FILES VALLEY WSC TOTAL</b>	<b>505</b>	<b>545</b>	<b>585</b>	<b>646</b>	<b>707</b>	<b>773</b>
<b>FREESTONE</b>	FLO COMMUNITY WSC	58	61	61	63	65	66
<b>LEON (H)</b>	FLO COMMUNITY WSC	334	384	436	490	550	611
	<b>FLO COMMUNITY WSC TOTAL</b>	<b>392</b>	<b>445</b>	<b>497</b>	<b>553</b>	<b>615</b>	<b>677</b>
<b>DENTON</b>	FLOWER MOUND	18,988	20,956	21,288	21,714	22,184	22,855
<b>TARRANT</b>	FLOWER MOUND	61	67	67	67	67	67
	<b>FLOWER MOUND TOTAL</b>	<b>19,049</b>	<b>21,023</b>	<b>21,355</b>	<b>21,781</b>	<b>22,251</b>	<b>22,922</b>
<b>KAUFMAN</b>	FORNEY LAKE WSC	1,137	1,391	1,666	2,083	3,552	5,102
<b>ROCKWALL</b>	FORNEY LAKE WSC	124	153	188	223	267	312
	<b>FORNEY LAKE WSC TOTAL</b>	<b>1,261</b>	<b>1,544</b>	<b>1,854</b>	<b>2,306</b>	<b>3,819</b>	<b>5,414</b>
<b>DENTON</b>	FORT WORTH	7,190	10,843	15,557	21,833	27,949	34,079
<b>JOHNSON</b>	FORT WORTH	0	0	0	957	1,530	1,912
<b>PARKER</b>	FORT WORTH	12,462	19,277	21,579	24,131	25,713	27,314
<b>TARRANT</b>	FORT WORTH	167,062	201,103	244,833	265,334	283,569	302,202
<b>WISE</b>	FORT WORTH	2,396	3,374	4,308	5,516	6,708	7,903

County	Water User Group (WUG)	Region C Final Demand (Acre-Feet per Year)					
		2020	2030	2040	2050	2060	2070
	<b>FORT WORTH TOTAL</b>	<b>189,110</b>	<b>234,597</b>	<b>286,277</b>	<b>317,771</b>	<b>345,469</b>	<b>373,410</b>
COLLIN	FRISCO	27,373	28,159	33,122	47,995	56,266	60,316
DENTON	FRISCO	18,354	22,963	28,846	29,181	29,522	29,638
	<b>FRISCO TOTAL</b>	<b>45,727</b>	<b>51,122</b>	<b>61,968</b>	<b>77,176</b>	<b>85,788</b>	<b>89,954</b>
COLLIN	FROGNOT WSC	171	193	232	289	329	366
HUNT (D)	FROGNOT WSC	3	3	4	5	5	6
	<b>FROGNOT WSC TOTAL</b>	<b>174</b>	<b>196</b>	<b>236</b>	<b>294</b>	<b>334</b>	<b>372</b>
COLLIN	GARLAND	51	62	76	94	115	137
DALLAS	GARLAND	41,055	43,806	45,270	45,349	45,528	45,506
ROCKWALL	GARLAND	0	1	1	1	1	1
	<b>GARLAND TOTAL</b>	<b>41,106</b>	<b>43,869</b>	<b>45,347</b>	<b>45,444</b>	<b>45,644</b>	<b>45,644</b>
DALLAS	GLENN HEIGHTS	1,513	2,002	2,516	3,083	3,644	4,783
ELLIS	GLENN HEIGHTS	424	524	646	827	1,013	1,544
	<b>GLENN HEIGHTS TOTAL</b>	<b>1,937</b>	<b>2,526</b>	<b>3,162</b>	<b>3,910</b>	<b>4,657</b>	<b>6,327</b>
DALLAS	GRAND PRAIRIE	26,811	32,615	36,061	35,851	35,799	35,792
ELLIS	GRAND PRAIRIE	9	11	14	18	22	26
TARRANT	GRAND PRAIRIE	8,366	8,180	8,079	8,032	8,021	8,019
	<b>GRAND PRAIRIE TOTAL</b>	<b>35,186</b>	<b>40,806</b>	<b>44,154</b>	<b>43,901</b>	<b>43,842</b>	<b>43,837</b>
COLLIN	HICKORY CREEK SUD	10	14	20	28	40	57
FANNIN	HICKORY CREEK SUD	30	31	33	34	37	41
HUNT (D)	HICKORY CREEK SUD	425	596	835	1,172	1,658	2,365
	<b>HICKORY CREEK SUD TOTAL</b>	<b>465</b>	<b>641</b>	<b>888</b>	<b>1,234</b>	<b>1,735</b>	<b>2,463</b>
KAUFMAN	HIGH POINT WSC	391	462	542	668	1,003	1,296
ROCKWALL	HIGH POINT WSC	51	61	73	88	132	172

County	Water User Group (WUG)	Region C Final Demand (Acre-Feet per Year)					
		2020	2030	2040	2050	2060	2070
	<b>HIGH POINT WSC TOTAL</b>	<b>442</b>	<b>523</b>	<b>615</b>	<b>756</b>	<b>1,135</b>	<b>1,468</b>
ELLIS	HILCO UNITED SERVICES	21	22	22	24	25	26
BOSQUE (G)	HILCO UNITED SERVICES	198	207	213	222	232	244
HILL (G)	HILCO UNITED SERVICES	565	589	607	633	661	681
	<b>HILCO UNITED SERVICES TOTAL</b>	<b>784</b>	<b>818</b>	<b>842</b>	<b>879</b>	<b>918</b>	<b>951</b>
TARRANT	JOHNSON COUNTY SUD	341	361	396	433	472	512
HILL (G)	JOHNSON COUNTY SUD	16	18	21	23	26	29
JOHNSON (G)	JOHNSON COUNTY SUD	5,079	5,720	6,413	7,220	8,136	9,127
	<b>JOHNSON COUNTY SUD TOTAL</b>	<b>5,436</b>	<b>6,099</b>	<b>6,830</b>	<b>7,676</b>	<b>8,634</b>	<b>9,668</b>
COLLIN	JOSEPHINE	307	485	676	874	910	910
HUNT (D)	JOSEPHINE	39	68	108	164	164	164
	<b>JOSEPHINE TOTAL</b>	<b>346</b>	<b>553</b>	<b>785</b>	<b>1,038</b>	<b>1,074</b>	<b>1,074</b>
COLLIN	BEAR CREEK SUD	611	948	1,342	1,865	2,336	2,947
ROCKWALL	BEAR CREEK SUD	79	96	130	169	337	711
	<b>BEAR CREEK SUD TOTAL</b>	<b>690</b>	<b>1,044</b>	<b>1,472</b>	<b>2,034</b>	<b>2,673</b>	<b>3,658</b>
DALLAS	LEWISVILLE	158	155	153	152	152	152
DENTON	LEWISVILLE	19,984	22,285	25,176	28,536	31,821	31,817
	<b>LEWISVILLE TOTAL</b>	<b>20,142</b>	<b>22,440</b>	<b>25,329</b>	<b>28,688</b>	<b>31,973</b>	<b>31,969</b>
HENDERSON	MABANK	736	806	880	1,144	1,593	2,218
KAUFMAN	MABANK	1,198	1,299	1,388	1,862	2,620	3,648
VAN ZANDT (D)	MABANK	48	53	58	75	104	145
	<b>MABANK TOTAL</b>	<b>1,982</b>	<b>2,158</b>	<b>2,326</b>	<b>3,081</b>	<b>4,317</b>	<b>6,011</b>
KAUFMAN	MACBEE SUD	18	22	27	34	41	49

County	Water User Group (WUG)	Region C Final Demand (Acre-Feet per Year)					
		2020	2030	2040	2050	2060	2070
HUNT (D)	MACBEE SUD	23	29	37	47	62	84
VAN ZANDT (D)	MACBEE SUD	475	521	557	592	621	646
	<b>MACBEE SUD TOTAL</b>	<b>516</b>	<b>572</b>	<b>621</b>	<b>673</b>	<b>724</b>	<b>779</b>
ELLIS	MANSFIELD	30	35	44	64	79	97
TARRANT	MANSFIELD	18,494	23,327	27,730	34,279	39,293	44,295
JOHNSON (G)	MANSFIELD	706	1,003	1,310	1,647	2,013	2,405
	<b>MANSFIELD TOTAL</b>	<b>19,230</b>	<b>24,365</b>	<b>29,084</b>	<b>35,990</b>	<b>41,385</b>	<b>46,797</b>
COLLIN	MARILEE SUD	675	665	668	666	665	665
GRAYSON	MARILEE SUD	458	490	513	510	510	508
	<b>MARILEE SUD TOTAL</b>	<b>1,133</b>	<b>1,155</b>	<b>1,181</b>	<b>1,176</b>	<b>1,175</b>	<b>1,173</b>
DALLAS	MESQUITE	22,314	23,822	26,318	28,392	30,609	32,880
KAUFMAN	MESQUITE	20	25	29	36	44	52
	<b>MESQUITE TOTAL</b>	<b>22,334</b>	<b>23,847</b>	<b>26,347</b>	<b>28,428</b>	<b>30,653</b>	<b>32,932</b>
PARKER	MINERAL WELLS	343	330	318	308	300	292
PALO PINTO (G)	MINERAL WELLS	2,579	2,692	2,759	2,840	2,919	2,985
	<b>MINERAL WELLS TOTAL</b>	<b>2,922</b>	<b>3,022</b>	<b>3,077</b>	<b>3,148</b>	<b>3,219</b>	<b>3,277</b>
ELLIS	MOUNTAIN PEAK SUD	2,971	3,733	3,937	5,635	6,517	7,309
JOHNSON (G)	MOUNTAIN PEAK SUD	1,123	1,351	1,591	1,857	2,149	2,461
	<b>MOUNTAIN PEAK SUD TOTAL</b>	<b>4,094</b>	<b>5,084</b>	<b>5,528</b>	<b>7,492</b>	<b>8,666</b>	<b>9,770</b>
COOKE	MOUNTAIN SPRING WSC	445	468	486	506	801	1,279
DENTON	MOUNTAIN SPRING WSC	9	10	11	12	13	15
	<b>MOUNTAIN SPRING WSC TOTAL</b>	<b>454</b>	<b>478</b>	<b>497</b>	<b>518</b>	<b>814</b>	<b>1,294</b>
DENTON	MUSTANG SUD	4,549	8,361	12,201	16,049	19,904	23,763
GRAYSON	MUSTANG SUD	40	39	40	40	41	41

County	Water User Group (WUG)	Region C Final Demand (Acre-Feet per Year)					
		2020	2030	2040	2050	2060	2070
	<b>MUSTANG SUD TOTAL</b>	<b>4,589</b>	<b>8,400</b>	<b>12,241</b>	<b>16,089</b>	<b>19,945</b>	<b>23,804</b>
<b>COLLIN</b>	NEVADA WSC	242	289	334	1,074	2,537	4,563
<b>ROCKWALL</b>	NEVADA WSC	8	9	11	42	105	189
	<b>NEVADA WSC TOTAL</b>	<b>250</b>	<b>298</b>	<b>345</b>	<b>1,116</b>	<b>2,642</b>	<b>4,752</b>
<b>FANNIN</b>	NORTH HUNT SUD	35	39	41	44	48	52
<b>DELTA (D)</b>	NORTH HUNT SUD	19	19	19	19	19	19
<b>HUNT (D)</b>	NORTH HUNT SUD	237	309	408	544	738	1,019
	<b>NORTH HUNT SUD TOTAL</b>	<b>291</b>	<b>367</b>	<b>468</b>	<b>607</b>	<b>805</b>	<b>1,090</b>
<b>PARKER</b>	NORTH RURAL WSC	75	77	78	79	82	83
	NORTH RURAL WSC	158	163	165	168	173	177
	<b>NORTH RURAL WSC TOTAL</b>	<b>233</b>	<b>240</b>	<b>243</b>	<b>247</b>	<b>255</b>	<b>260</b>
<b>DALLAS</b>	OVILLA	116	146	178	213	248	429
<b>ELLIS</b>	OVILLA	954	1,192	1,473	1,891	2,317	4,264
	<b>OVILLA TOTAL</b>	<b>1,070</b>	<b>1,338</b>	<b>1,651</b>	<b>2,104</b>	<b>2,565</b>	<b>4,693</b>
<b>PARKER</b>	PARKER COUNTY SUD	718	1,107	1,495	1,886	2,282	2,680
<b>PALO PINTO (G)</b>	PARKER COUNTY SUD	6	8	10	13	16	19
	<b>PARKER COUNTY SUD TOTAL</b>	<b>724</b>	<b>1,115</b>	<b>1,505</b>	<b>1,899</b>	<b>2,298</b>	<b>2,699</b>
<b>COLLIN</b>	PLANO	71,890	71,978	72,314	72,139	72,158	72,907
<b>DENTON</b>	PLANO	1,918	1,968	1,997	1,986	1,984	1,984
	<b>PLANO TOTAL</b>	<b>73,808</b>	<b>73,946</b>	<b>74,311</b>	<b>74,125</b>	<b>74,142</b>	<b>74,891</b>
<b>FREESTONE</b>	PLEASANT GROVE WSC	124	123	129	170	239	386
<b>NAVARRO</b>	PLEASANT GROVE WSC	11	11	11	15	21	34
	<b>PLEASANT GROVE WSC TOTAL</b>	<b>135</b>	<b>134</b>	<b>140</b>	<b>185</b>	<b>260</b>	<b>420</b>

County	Water User Group (WUG)	Region C Final Demand (Acre-Feet per Year)					
		2020	2030	2040	2050	2060	2070
KAUFMAN	POETRY WSC	100	121	146	193	260	350
HUNT (D)	POETRY WSC	253	309	382	488	653	878
	<b>POETRY WSC TOTAL</b>	<b>353</b>	<b>430</b>	<b>528</b>	<b>681</b>	<b>913</b>	<b>1,228</b>
FREESTONE	POINT ENTERPRISE WSC	89	91	92	95	98	101
LIMESTONE (G)	POINT ENTERPRISE WSC	85	87	87	89	91	93
	<b>POINT ENTERPRISE WSC TOTAL</b>	<b>174</b>	<b>178</b>	<b>179</b>	<b>184</b>	<b>189</b>	<b>194</b>
NAVARRO	POST OAK SUD	52	53	54	59	65	74
HILL (G)	POST OAK SUD	66	67	69	75	83	92
LIMESTONE (G)	POST OAK SUD	11	11	12	12	13	14
	<b>POST OAK SUD TOTAL</b>	<b>129</b>	<b>131</b>	<b>135</b>	<b>146</b>	<b>161</b>	<b>180</b>
COLLIN	PROSPER	4,872	5,600	6,352	7,108	8,896	8,895
DENTON	PROSPER	296	1,427	2,556	3,815	4,046	4,046
	<b>PROSPER TOTAL</b>	<b>5,168</b>	<b>7,028</b>	<b>8,908</b>	<b>10,924</b>	<b>12,942</b>	<b>12,941</b>
GRAYSON	RED RIVER AUTHORITY OF TEXAS	358	392	421	454	487	467
KNOX (G)	RED RIVER AUTHORITY OF TEXAS	27	30	30	30	30	30
MOTLEY (O)	RED RIVER AUTHORITY OF TEXAS	6	6	7	7	8	8
COTTLE (B)	RED RIVER AUTHORITY OF TEXAS	12	12	12	12	12	12
DICKENS (O)	RED RIVER AUTHORITY OF TEXAS	11	12	13	14	15	16

County	Water User Group (WUG)	Region C Final Demand (Acre-Feet per Year)					
		2020	2030	2040	2050	2060	2070
<b>KING (B)</b>	RED RIVER AUTHORITY OF TEXAS	53	52	52	51	51	51
<b>FOARD (B)</b>	RED RIVER AUTHORITY OF TEXAS	89	87	86	86	86	86
<b>HALL (A)</b>	RED RIVER AUTHORITY OF TEXAS	89	98	105	113	104	111
<b>MONTAGUE (B)</b>	RED RIVER AUTHORITY OF TEXAS	78	85	91	99	106	112
<b>HARDEMAN (B)</b>	RED RIVER AUTHORITY OF TEXAS	129	141	151	163	175	186
<b>COLLINGSWORTH (A)</b>	RED RIVER AUTHORITY OF TEXAS	142	155	167	179	192	203
<b>CHILDRESS (A)</b>	RED RIVER AUTHORITY OF TEXAS	232	236	239	245	252	258
<b>DONLEY (A)</b>	RED RIVER AUTHORITY OF TEXAS	234	255	275	296	318	338
<b>CLAY(B)</b>	RED RIVER AUTHORITY OF TEXAS	379	372	366	365	364	364
<b>WILBARGER (B)</b>	RED RIVER AUTHORITY OF TEXAS	258	282	304	328	351	374
	<b>RED RIVER AUTHORITY OF TEXAS TOTAL</b>	<b>2,097</b>	<b>2,215</b>	<b>2,319</b>	<b>2,442</b>	<b>2,551</b>	<b>2,616</b>
<b>PARKER</b>	RENO	170	172	176	179	184	189
<b>TARRANT</b>	RENO	1	1	2	2	3	3
	<b>RENO TOTAL</b>	<b>171</b>	<b>173</b>	<b>178</b>	<b>181</b>	<b>187</b>	<b>192</b>

County	Water User Group (WUG)	Region C Final Demand (Acre-Feet per Year)					
		2020	2030	2040	2050	2060	2070
ELLIS	RICE WATER SUPPLY AND SEWER SERVICE	701	833	992	1,215	1,456	1,735
NAVARRO	RICE WATER SUPPLY AND SEWER SERVICE	438	523	625	736	882	1,051
	<b>RICE WATER SUPPLY AND SEWER SERVICE TOTAL</b>	<b>1,140</b>	<b>1,356</b>	<b>1,617</b>	<b>1,950</b>	<b>2,338</b>	<b>2,786</b>
COLLIN	RICHARDSON	8,952	8,801	8,683	8,824	9,215	10,054
DALLAS	RICHARDSON	18,508	18,943	19,432	19,895	19,869	19,868
	<b>RICHARDSON TOTAL</b>	<b>27,460</b>	<b>27,744</b>	<b>28,115</b>	<b>28,719</b>	<b>29,084</b>	<b>29,922</b>
DALLAS	ROCKETT SUD	114	220	323	427	532	638
ELLIS	ROCKETT SUD	4,505	5,606	6,028	7,999	10,638	13,816
	<b>ROCKETT SUD TOTAL</b>	<b>4,619</b>	<b>5,826</b>	<b>6,351</b>	<b>8,426</b>	<b>11,170</b>	<b>14,454</b>
DALLAS	ROWLETT	9,164	9,794	10,481	11,062	11,535	12,183
ROCKWALL	ROWLETT	1,168	1,143	1,128	1,120	1,137	1,145
	<b>ROWLETT TOTAL</b>	<b>10,332</b>	<b>10,937</b>	<b>11,609</b>	<b>12,182</b>	<b>12,672</b>	<b>13,328</b>
COLLIN	ROYSE CITY	258	1,197	2,137	3,328	4,437	5,837
ROCKWALL	ROYSE CITY	1,049	1,096	1,114	2,657	4,498	4,989
HUNT (D)	ROYSE CITY	43	52	65	83	110	149
	<b>ROYSE CITY TOTAL</b>	<b>1,350</b>	<b>2,345</b>	<b>3,316</b>	<b>6,068</b>	<b>9,045</b>	<b>10,975</b>
COLLIN	SACHSE	1,473	1,457	1,448	1,502	1,516	1,516
DALLAS	SACHSE	3,742	3,702	3,679	3,664	3,659	3,658
	<b>SACHSE TOTAL</b>	<b>5,215</b>	<b>5,159</b>	<b>5,127</b>	<b>5,166</b>	<b>5,175</b>	<b>5,174</b>
PARKER	SANTO SUD	12	12	13	13	14	15
HOOD (G)	SANTO SUD	7	7	7	8	8	9
PALO PINTO (G)	SANTO SUD	254	267	275	288	304	322
	<b>SANTO SUD TOTAL</b>	<b>273</b>	<b>286</b>	<b>295</b>	<b>309</b>	<b>326</b>	<b>346</b>
DALLAS	SEAGOVILLE	2,061	2,412	2,778	3,161	3,569	3,567



County	Water User Group (WUG)	Region C Final Demand (Acre-Feet per Year)					
		2020	2030	2040	2050	2060	2070
KAUFMAN	SEAGOVILLE	3	4	5	6	7	8
	<b>SEAGOVILLE TOTAL</b>	<b>2,064</b>	<b>2,416</b>	<b>2,783</b>	<b>3,167</b>	<b>3,576</b>	<b>3,575</b>
ELLIS	SOUTH ELLIS COUNTY WSC	401	476	579	784	1,053	1,469
NAVARRO	SOUTH ELLIS COUNTY WSC	15	18	22	29	38	54
	<b>SOUTH ELLIS COUNTY WSC TOTAL</b>	<b>416</b>	<b>494</b>	<b>601</b>	<b>812</b>	<b>1,091</b>	<b>1,523</b>
COLLIN	SOUTH GRAYSON SUD	151	184	242	293	341	388
GRAYSON	SOUTH GRAYSON SUD	355	373	420	435	458	472
	<b>SOUTH GRAYSON SUD TOTAL</b>	<b>506</b>	<b>557</b>	<b>662</b>	<b>728</b>	<b>799</b>	<b>860</b>
DENTON	SOUTHLAKE	419	538	680	840	1,027	1,242
TARRANT	SOUTHLAKE	11,036	12,275	14,265	16,269	18,287	20,314
	<b>SOUTHLAKE TOTAL</b>	<b>11,455</b>	<b>12,813</b>	<b>14,945</b>	<b>17,109</b>	<b>19,314</b>	<b>21,556</b>
FANNIN	SOUTHWEST FANNIN COUNTY SUD	407	433	453	475	569	675
GRAYSON	SOUTHWEST FANNIN COUNTY SUD	171	221	289	369	501	656
	<b>SOUTHWEST FANNIN COUNTY SUD TOTAL</b>	<b>578</b>	<b>654</b>	<b>742</b>	<b>844</b>	<b>1,070</b>	<b>1,331</b>
COOKE	TWO WAY SUD	11	12	12	12	13	13
GRAYSON	TWO WAY SUD	682	855	995	1,192	1,590	2,053
	<b>TWO WAY SUD TOTAL</b>	<b>693</b>	<b>867</b>	<b>1,007</b>	<b>1,204</b>	<b>1,603</b>	<b>2,066</b>
ELLIS	VENUS	15	19	23	30	37	45
JOHNSON (G)	VENUS	623	709	801	903	1,015	1,137
	<b>VENUS TOTAL</b>	<b>638</b>	<b>728</b>	<b>824</b>	<b>933</b>	<b>1,052</b>	<b>1,182</b>
HENDERSON	VIRGINIA HILL WSC	230	251	270	300	330	371
HENDERSON (I)	VIRGINIA HILL WSC	166	182	195	217	237	257

County	Water User Group (WUG)	Region C Final Demand (Acre-Feet per Year)					
		2020	2030	2040	2050	2060	2070
	<b>VIRGINIA HILL WSC TOTAL</b>	<b>396</b>	<b>433</b>	<b>465</b>	<b>517</b>	<b>567</b>	<b>628</b>
<b>PARKER</b>	WALNUT CREEK SUD	1,331	1,517	1,581	2,254	3,326	4,353
<b>WISE</b>	WALNUT CREEK SUD	265	343	425	518	763	985
	<b>WALNUT CREEK SUD TOTAL</b>	<b>1,596</b>	<b>1,860</b>	<b>2,006</b>	<b>2,772</b>	<b>4,089</b>	<b>5,338</b>
<b>HENDERSON</b>	WEST CEDAR CREEK MUD	938	968	996	1,046	1,311	1,647
<b>KAUFMAN</b>	WEST CEDAR CREEK MUD	276	306	337	394	451	511
	<b>WEST CEDAR CREEK MUD TOTAL</b>	<b>1,214</b>	<b>1,274</b>	<b>1,333</b>	<b>1,440</b>	<b>1,762</b>	<b>2,158</b>
<b>COLLIN</b>	WEST LEONARD WSC	42	47	56	75	107	142
<b>FANNIN</b>	WEST LEONARD WSC	165	176	165	174	202	249
<b>HUNT (D)</b>	WEST LEONARD WSC	7	7	9	11	16	21
	<b>WEST LEONARD WSC</b>	<b>214</b>	<b>230</b>	<b>230</b>	<b>260</b>	<b>325</b>	<b>412</b>
<b>DENTON</b>	WESTLAKE	30	39	52	65	79	98
<b>TARRANT</b>	WESTLAKE	1,753	4,845	7,931	8,862	8,846	8,826
	<b>WESTLAKE TOTAL</b>	<b>1,783</b>	<b>4,884</b>	<b>7,983</b>	<b>8,927</b>	<b>8,925</b>	<b>8,924</b>
<b>COLLIN</b>	WESTMINSTER WSC	256	291	350	437	498	552
<b>GRAYSON</b>	WESTMINSTER WSC	3	3	4	5	5	6
	<b>WESTMINSTER WSC</b>	<b>259</b>	<b>294</b>	<b>354</b>	<b>442</b>	<b>503</b>	<b>558</b>
<b>FANNIN</b>	WHITEWRIGHT	1	1	2	2	2	2
<b>GRAYSON</b>	WHITEWRIGHT	260	254	249	237	250	278
	<b>WHITEWRIGHT TOTAL</b>	<b>261</b>	<b>255</b>	<b>251</b>	<b>239</b>	<b>252</b>	<b>280</b>
<b>FANNIN</b>	WOLFE CITY	9	10	13	16	22	29
<b>HUNT (D)</b>	WOLFE CITY	169	199	243	311	409	552
	<b>WOLFE CITY TOTAL</b>	<b>178</b>	<b>209</b>	<b>256</b>	<b>327</b>	<b>431</b>	<b>581</b>
<b>COOKE</b>	WOODBINE WSC	651	707	767	835	911	989

County	Water User Group (WUG)	Region C Final Demand (Acre-Feet per Year)					
		2020	2030	2040	2050	2060	2070
GRAYSON	WOODBINE WSC	8	9	10	10	12	13
	<b>WOODBINE WSC TOTAL</b>	<b>659</b>	<b>716</b>	<b>777</b>	<b>845</b>	<b>923</b>	<b>1,002</b>
COLLIN	WYLIE	6,236	6,614	6,926	7,421	7,710	8,491
DALLAS	WYLIE	350	355	361	369	378	396
ROCKWALL	WYLIE	520	527	537	548	570	603
	<b>WYLIE TOTAL</b>	<b>7,106</b>	<b>7,496</b>	<b>7,824</b>	<b>8,338</b>	<b>8,658</b>	<b>9,490</b>

### **Rockett Special Utility District**

Rockett Special Utility District is a wholesale water provider (WWP) that provides retail service in northern Ellis County and southern Dallas County and supplies water to a number of water user groups. Wholesale customers of the District include Palmer, Ellis County Other, Sardis-Lone Elm WSC, and Ferris. Rockett SUD's retail service area includes customers in many area cities. The current supplies for Rockett SUD include treated water purchased from Midlothian and water from TRWD.

Rockett SUD jointly owns the Robert W. Sokoll WTP with the City of Waxahachie. The plant was commissioned in December 2009 with a peak treatment capacity of 20 MGD (shared equally between the City of Waxahachie and Rockett SUD). The current supply from TRWD shown on **Table 5E.150** is limited by the Rockett SUD's capacity at Sokoll WTP. The recommended water management strategies for Rockett SUD include implementing water conservation measures, purchasing additional TRWD water, and expanding the Sokoll WTP.

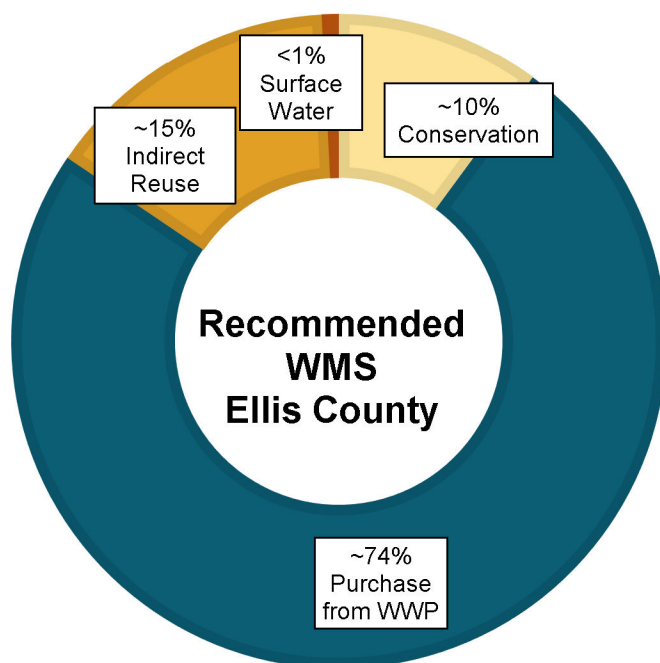
**Table 5E.150** shows the projected demand, the current supplies, and the water management strategies for Rockett SUD. An alternative strategy for Rockett SUD is to purchase treated water from Dallas, delivered through an existing 36-inch line that is located near the town of Red Oak. Rockett SUD would construct a 20-inch line to deliver this water into their system.

**Table 5E.150 Summary of Water Wholesale Water Provider and Customers – Rockett SUD**

<b>(Values in Ac-Ft/Yr)</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>	<b>2070</b>
<b>Projected Demands</b>						
Rockett SUD	4,619	5,826	6,351	8,427	11,170	14,454
Palmer	274	334	407	519	662	1,219
County Other, Ellis	115	86	120	315	1,217	3,811
Sardis-Lone Elm WSC	1,121	1,121	1,121	1,121	1,121	1,121
Ferris	461	789	1,071	1,209	1,351	1,496
<b>Total Projected Demands</b>	<b>6,590</b>	<b>8,156</b>	<b>9,070</b>	<b>11,591</b>	<b>15,521</b>	<b>22,101</b>
<b>Currently Available Supplies</b>						
Midlothian	2,242	2,242	2,242	2,242	2,242	2,242
TRWD Limited by Sokoll WTP Capacity	5,556	5,605	5,605	5,605	5,605	5,605
<b>Total Currently Available Supplies</b>	<b>7,798</b>	<b>7,847</b>	<b>7,847</b>	<b>7,847</b>	<b>7,847</b>	<b>7,847</b>
<b>Need (Demand - Supply)</b>	<b>0</b>	<b>703</b>	<b>1,492</b>	<b>3,744</b>	<b>7,674</b>	<b>14,254</b>
<b>Water Management Strategies</b>						
Conservation (retail)	44	83	80	133	214	325
Conservation (wholesale)	7	13	16	27	55	136
TRWD with Treatment as below:		607	1,396	3,584	7,405	13,793
10 MGD WTP Expansion at Sokoll – 1		607	1,396	3,584	5,605	5,605
10 MGD WTP Expansion at Sokoll – 2					1,800	5,605
3 MGD WTP Expansion at Sokoll						1,682
<b>Total Supplies from Strategies</b>	<b>51</b>	<b>703</b>	<b>1,492</b>	<b>3,744</b>	<b>7,674</b>	<b>14,254</b>
<b>Reserve (Shortage)</b>	<b>51</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Alternative Strategy</b>						
Purchase Water from DWU	2,242	3,363	5,605	5,605	5,605	5,605

### 5E.5.2 Summary of Costs for Ellis County

**Table 5E.155** summarizes the costs of the water management strategies recommended for the WUGs and WWPs who have the majority of their demand located in Ellis County. Total quantities from **Table 5E.155** will not necessarily match total county demands. This is due mainly to water users whose sum of strategies results in a reserve as well as due to water users located in multiple counties (or wholesale water providers who develop strategies and then sell water to users in other counties). Quantities from infrastructure projects needed to deliver and/or treat water (shown in *gray italics*) are not included since the supplies are associated with other strategies. To avoid double-counting quantities of supplies, the quantities in *gray italics* are **not** included in the total.



The majority of the future supplies needed to meet demands within Ellis County are projected to come through purchases from wholesale water providers. Other strategies include indirect reuse, conservation, and surface water.

**Table 5E.156** summarizes the recommended water management strategies within Ellis County individually. Alternative strategies are also included. More detailed cost estimates are located in **Appendix H**.

**Table 5E.155 Summary of Recommended Water Management Strategies for Ellis County**

Type of Strategy	Quantity (Ac-Ft/Yr)	Capital Costs
Conservation <sup>a</sup>	9,729	\$4,339,157
Purchase from WWP	71,745	\$0
<i>Additional Infrastructure</i>	<i>128,431</i>	<i>\$621,335,000</i>
Indirect Reuse	14,166	\$55,899,000
Surface Water	810	\$37,120,000
<b>Total</b>	<b>96,450</b>	<b>\$718,693,157</b>

<sup>a</sup>The conservation quantities represent the sum of the individual water user groups who have the majority of their service areas located in the county, not the total conservation in the county.

**Table 5E.156 Costs for Recommended Water Management Strategies for Ellis County**

WWP or WUG	Strategy	Online by:	Quantity (Ac-Ft/Yr) <sup>b</sup>	Capital Costs <sup>c</sup>	Unit Cost (\$/1000 gal)		Table
					With Debt Service	After Debt Service	
WWPs							
Ennis	Conservation (retail)	2020	2,623	\$612,128	\$3.48	\$1.07	H.11
	Conservation (wholesale)	2020	Included with WUGs.				
	Indirect Reuse	2040	3,696	\$55,899,000	\$4.45	\$1.19	H.103
	TRWD through TRA	2030	9,952	\$0	\$1.26	\$1.26	None
	6 MGD WTP Expansion	2050	3,363	\$22,264,000	\$2.53	\$1.10	H.13
	8 MGD WTP Expansion	2060	4,484	\$47,735,000	\$3.97	\$1.68	H.13
	16 MGD WTP Expansion	2070	5,510	\$86,402,000	\$3.57	\$1.49	H.13
Midlothian	Conservation (retail)	2020	844	\$719,507	\$1.18	\$0.53	H.11
	Conservation (wholesale)	2020	Included with WUGs.				
	Indirect Reuse	2020	10,470	\$0	\$0.29	\$0.29	None
	Expand Tayman WTP to 20 MGD	2020	10,470	\$46,259,000	\$2.91	\$0.68	H.13
	TRWD	2020	9,499	\$0	\$1.26	\$1.26	None
	Expand Auger WTP to 16 MGD	2020	2,242	\$7,498,000	\$0.93	\$0.20	H.13
	Expand Auger WTP to 24 MGD	2030	4,484	\$24,798,000	\$1.38	\$0.19	H.13
	Expand Auger WTP to 32 MGD	2050	2,773	\$24,798,000	\$1.38	\$0.19	H.13
	ALTERNATIVE Direct Potable Reuse (Mountain Creek WWTP effluent)	2020	5,605	\$43,395,000	\$5.44	\$3.76	H.105
	ALTERNATIVE Purchase Duncanville's Joe Pool yield (up to 1 MGD)	2020	976	\$2,947,000	\$2.00	\$1.43	H.106
Rockett SUD	Conservation (retail)	2020	325	\$584,694	\$2.87	\$0.00	H.11
	Conservation (wholesale)	2020	Included with WUGs.				
	TRWD	2030	13,793	\$0	\$1.26	\$1.26	None
	10 MGD WTP Expansion at Sokoll-1	2030	5,605	\$58,903,000	\$3.89	\$1.63	H.13

WWP or WUG	Strategy	Online by:	Quantity (Ac-Ft/Yr) <sup>b</sup>	Capital Costs <sup>c</sup>	Unit Cost (\$/1000 gal)		Table
					With Debt Service	After Debt Service	
	10 MGD WTP Expansion at Sokoll-2	2060	5,605	\$58,903,000	\$3.89	\$1.63	H.13
	3 MGD WTP Expansion at Sokoll	2070	1,682	\$14,095,000	\$3.37	\$1.56	H.13
	ALTERNATIVE Purchase treated water from Dallas with 20" transmission line	2020	5,605	\$45,457,000	\$1.98	\$0.23	H.110
Waxahachie	Conservation (retail)	2020	1,229	\$1,754,083	\$5.74	\$0.76	H.11
	Conservation (wholesale)	2020	Included with WUGs.				
	Dredge Lake Waxahachie	2040	810	\$37,120,000	\$11.37	\$0.00	H.116
	TRA/TRWD	2040	10,430	\$0	\$1.27	\$1.27	None
	8 MGD Expansion WTP	2030	4,484	\$47,735,000	\$3.97	\$1.68	H.13
	12 MGD Expansion WTP	2070	5,946	\$68,069,000	\$3.75	\$1.57	H.13
	36" Raw water line from IPL to Lake Waxahachie	2040	10,430	\$1,302,000	\$0.03	\$0.00	H.113
	30" Raw water line from IPL to Howard Road Water Treatment Plant	2040	10,430	\$4,343,000	\$0.20	\$0.02	H.112
	36" Raw water line from Lake Waxahachie to Howard Rd WTP	2040	10,430	\$6,461,000	\$0.16	\$0.03	H.114
	Phase I Delivery Infrastructure to Customers in South Ellis County	2040	1,121	\$16,338,000	\$1.63	\$0.37	H.118
	Phase II Delivery Infrastructure to Customers in South Ellis County	2050	2,520	\$26,982,000	\$1.68	\$0.20	H.119
	48" TRWD Parallel Supply Line to Sokoll WTP	2040	10,430	\$3,954,000	\$0.04	\$0.00	H.115
	Increase delivery infrastructure to	2040	10,430	\$14,096,000	\$0.50	\$0.05	H.117



WWP or WUG	Strategy	Online by:	Quantity (Ac-Ft/Yr) <sup>b</sup>	Capital Costs <sup>c</sup>	Unit Cost (\$/1000 gal)		Table
					With Debt Service	After Debt Service	
	<i>Rockett SUD (30" Raw water Line)</i>						
	<i>Raw Water Intake Improvements at Lake Bardwell</i>	2040	10,430	\$4,400,000	\$0.15	\$0.08	H.120
<b>WUGs</b>							
Avalon Water Supply and Sewer Service	Conservation	2020	11	\$8,624	\$1.86	\$0.00	H.11
	Waxahachie	2030	378	\$0	\$4.27	\$4.27	None
Brandon-Irene WSC <sup>a</sup> (Region C only)	Conservation	See Navarro County.					
	Other WMSs						
Buena Vista-Bethel SUD	Conservation	2020	319	\$29,027	\$0.63	\$0.51	H.11
	Waxahachie	2040	1,517	\$0	\$4.27	\$4.27	None
Cedar Hill <sup>a</sup>	Conservation	See Dallas County.					
	DWU						
East Garrett WSC	Conservation	2020	99	\$6,179	\$0.67	\$1.00	H.11
	Ennis	2050	902	\$0	\$3.00	\$3.00	None
Ferris	Conservation	2020	32	\$31,341	\$1.69	\$0.06	H.11
	Rockett SUD	2030	933	\$0	\$4.85	\$4.85	None
	<i>Additional Delivery Infrastructure from Rockett SUD</i>	2050	554	\$1,370,000	\$3.21	\$0.54	H.104
Files Valley WSC	Conservation	2020	7	\$2,291	\$0.49	\$0.00	H.11
	Connect to Waxahachie	2030	70	\$0	\$4.27	\$4.27	None
Glenn Heights <sup>a</sup>	Conservation	See Dallas County.					
	DWU						
Grand Prairie <sup>a</sup>	Conservation	See Dallas County.					
	Other WMSs						
Hilco United Services	None	None					
Italy	Conservation	2020	20	\$7,419	\$0.53	\$0.00	H.11
	Waxahachie	2030	768	\$0	\$4.27	\$4.27	None
Mansfield <sup>a</sup>	Conservation	See Tarrant County.					
	Other WMSs						
Mountain Peak SUD <sup>a</sup>	Conservation	2020	1,409	\$110,785	\$0.98	\$0.41	H.11
	Midlothian	2020	6,096	\$0	\$3.00	\$3.00	None

WWP or WUG	Strategy	Online by:	Quantity (Ac-Ft/Yr) <sup>b</sup>	Capital Costs <sup>c</sup>	Unit Cost (\$/1000 gal)		Table
					With Debt Service	After Debt Service	
Ovilla <sup>a</sup>	Conservation	2020	751	\$30,476	\$2.20	\$0.57	H.11
	DWU	2040	663	\$0	\$4.05	\$4.05	None
	<i>Additional Delivery Infrastructure from DWU</i>	2070	663	<i>\$1,810,000</i>	<i>\$0.76</i>	<i>\$0.17</i>	<i>H.107</i>
Palmer	Conservation	2020	26	\$33,764	\$3.65	\$0.08	H.11
	Rockett SUD	2030	760	\$0	\$4.85	\$4.85	None
	<i>Additional Delivery Infrastructure from Rockett SUD</i>	2050	760	<i>\$8,910,000</i>	<i>\$3.63</i>	<i>\$0.50</i>	<i>H.108</i>
Red Oak	Conservation	2020	103	\$88,296	\$1.91	\$0.11	H.11
	DWU	2020	1,277	\$0	\$4.05	\$4.05	None
Rice WSC <sup>a</sup>	Conservation	2020	63	\$60,243	\$1.30	\$0.11	H.11
	Ennis	2040	35	\$0	\$3.00	\$3.00	None
	Corsicana	2050	715	\$0	\$4.15	\$4.15	None
	<i>Additional Delivery Infrastructure from Corsicana</i>	2030	1,552	<i>\$12,214,000</i>	<i>\$2.00</i>	<i>\$0.30</i>	<i>H.109</i>
Sardis-Lone Elm WSC	Conservation	2020	904	\$238,415	\$0.53	\$0.30	H.11
	Midlothian	2020	1,943	\$0	\$2.81	\$2.81	None
	Rockett SUD	2020	723	\$0	\$4.85	\$4.85	None
	Treated TRWD	2020	2,033	\$0	\$1.26	\$1.26	None
	<i>Connect to TRWD and Treat Supplies</i>	2020	2,033	<i>\$11,696,000</i>	<i>\$4.34</i>	<i>\$3.22</i>	<i>H.111</i>
South Ellis County WSC	Conservation	2020	705	\$14,796	\$1.06	\$0.30	H.11
	Connect to Waxahachie	2050	217	\$0	\$4.27	\$4.27	None
Venus <sup>a</sup>	Conservation	2030	3	\$0	\$0.00	\$0.86	H.11
	Midlothian	2020	488	\$0	\$3.95	\$3.95	None
<b>County Other and Non-Municipal</b>							
County Other, Ellis	Conservation	2020	192	\$7,089	\$0.51	\$0.00	H.11
	Ennis	2040	858	\$0	\$3.00	\$3.00	None
	Waxahachie	2040	1,415	\$0	\$4.27	\$4.27	None
	Rockett SUD	2030	2,379	\$0	\$4.85	\$4.85	None
	Grand Prairie	2020	721	\$0	\$3.00	\$3.00	None
Irrigation, Ellis	Conservation	2020	64	\$0.00	\$0.94	\$0.94	H-11F

WWP or WUG	Strategy	Online by:	Quantity (Ac- Ft/Yr) <sup>b</sup>	Capital Costs <sup>c</sup>	Unit Cost (\$/1000 gal)		Table
					With Debt Service	After Debt Service	
Livestock, Ellis	None	None					
Manufacturing, Ellis	Ennis	2030	464	\$0	\$3.00	\$3.00	None
	Waxahachie	2040	958	\$0	\$4.27	\$4.27	None
	Midlothian	2020	1,588	\$0	\$3.00	\$3.00	None
Mining, Ellis	None	None					
Steam Electric Power, Ellis	Midlothian	2020	170	\$0	\$3.00	\$3.00	None

<sup>a</sup>Water user groups extend into more than one county.

<sup>b</sup>Quantities listed are for the WUG only. They do not include the WUG's customers.

<sup>c</sup>Purchases from wholesale water providers that require no new infrastructure have no capital costs. The unit costs shown in the table represent the cost to purchase water from the WWP.

# Appendix C

Appendix C  
Schedule 1  
Selected Appraisal Reports Summary for Decertified CCN Parcels

Trans. No.	Control No.	CCN Holder (CCN No.)	Appraiser	Value for Factor: (1)									Notes	Final Commission Order (If any)
				A	B	C	D	E	F	G	H	Total		
1	44555	Tall Timbers Utility Company, Inc. (20694 S)	NewGen Strategies & Solutions									\$ -	Conclusion that there is no property that has been rendered useless and valueless as a result of decertification by the TCEQ and the provision of service by the City to the area in question.	No Compensation due.
2	45244	Aqua Texas, Inc. (13201 W, 21059 S)	NewGen Strategies & Solutions									\$ -	Conclusion that there is no property that has been rendered useless and valueless as a result of decertification by the TCEQ and the provision of service by the City to the area in question.	Fort Worth owes no compensation to Aqua and may provide retail water and sewer service to the Property.
3	45292	Suetrak USA Company, Inc. (11916 W, 20629 S)	NewGen Strategies & Solutions									\$ -	Conclusion that there is no property that has been rendered useless and valueless as a result of decertification by the TCEQ and the provision of service by the City to the area in question.	No Compensation due.
4	45450	Aqua Texas, Inc. (13201 W)	NewGen Strategies & Solutions	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 542	\$ -	\$ 542	Conclusion that there is no property that has been rendered useless and valueless as a result of decertification by the TCEQ and the provision of service by Mustang SUD to the area in question. However, if a monetary compensation determination were to be made, it is our opinion that the compensation to be provided is \$541.96.	No Compensation due.
5	45462	Aqua Texas, Inc. (13201 W)	NewGen Strategies & Solutions	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,341	\$ -	\$ 4,341	Conclusion that there is no property that has been rendered useless and valueless as a result of decertification by the TCEQ and the provision of service by Mustang SUD to the area in question. However, if a monetary compensation determination were to be made, it is our opinion that the compensation to be provided is \$541.96.	No Compensation due.
6	45679	Guadalupe-Blanco River Authority (20892 S)	DGRA, Inc.	\$ 29,933	\$ -	\$ -	\$ -	\$ 4,225	\$ -	\$ 10,000	\$ -	\$ 44,158	Appraiser for Zipp Road Utility Company, LLC.	Under the settlement agreement, Zipp Road and Guadalupe-Blanco agree that Zipp Road will obtain wholesale sewer treatment services from Guadalupe-Blanco for the area Zipp Road seeks to certify. Because Zipp Road is obtaining wholesale sewer treatment services from Guadalupe-Blanco, no property of Guadalupe-Blanco will be rendered useless or valueless by the decertification of certificate 20892.
6			NewGen Strategies & Solutions	\$ 747,940						\$ 11,000		\$ 758,940	Appraiser for GBRA (previous CCN Holder) The particular circumstances in this decertification limit GBRA compensation to: 1) The allocable share of debt and loan payments until the excess capacity in the collection system and WWTP are fully utilized; and 2) Reasonable legal expenses related to the decertification.	
6			Jones-Heroy & Associates, Inc.	\$ 438,900	\$ -	\$ 271,100	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ 730,000		
7	45702	Green Valley Special Utility District (20973 S)	NewGen Strategies & Solutions									\$ -	Conclusion that there is no property that has been rendered useless and valueless as a result of decertification by the TCEQ and the provision of service by the City to the area in question.	

Appendix C  
Schedule 1  
Selected Appraisal Reports Summary for Decertified CCN Parcels

Trans. No.	Control No.	CCN Holder (CCN No.)	Appraiser	Value for Factor: (1)									Notes	Final Commission Order (If any)
				A	B	C	D	E	F	G	H	Total		
8	45848	Aqua Texas, Inc. (13201 W, 21059 S)	Jones-Heroy & Associates, Inc.	\$ -	\$ -	\$ 28,000	\$ -	\$ -	\$ -	\$ 10,000	\$ -	\$ 38,000		1. Aqua does not have any property that was rendered useless or valueless as a result of the decertification in Docket No. 45329.
8			KOR Group	\$ -	\$ -	\$ 38,250	\$ -	\$ -	\$ -	\$ 31,589	\$ 916,107	\$ 985,946	In order to determine the lost economic opportunity, and intangible personal property right, firm analyzed the achievable profits that are lost due to the decertification over a 25-year time period and included under other factors.	2. Celina does not owe any compensation to Aqua and may provide water and sewer service to the tract that was decertified in Docket No. 45329. Aqua appealed but did not find anything in this case number about the appeal.
8			B&D Environmental Inc.	\$ -	\$ -	\$ 38,250	\$ -	\$ -	\$ -	\$ 31,589	\$ -	\$ 69,839		
9	45956	Green Valley Special Utility District (20973 S)	NewGen Strategies & Solutions	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	NewGen preliminary value \$0, however, they reserved the right to update the valuation based on additional information being provided. They also pointed out that Rule 24.120 (g) provides for the reimbursement of reasonable legal and professional fees.	No Compensation due. Green Valley Special Utility District filed a motion for Rehearing.
10	50109	Aqua Texas, Inc. (13203 W, 21065 S)	NewGen Strategies & Solutions	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	NewGen Valuation Report showed \$0 value.	No Compensation due, however, parties agreed to pay \$4,000.
11	50258	UA Holdings 1994-5, LP (20586 S)	NewGen Strategies & Solutions	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	NewGen Valuation Report showed \$0 value.	No Compensation due.
12	50495	City of Lakewood Village (20075 W)	Kimley-Horn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		No compensation is owed by the petitioner to the CCN holder for the streamlined expedited release.
13	50787	Tall Timbers Utility Company, Inc. (20694 S)	NewGen Strategies & Solutions	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	NewGen opinion that the compensation determination for the area subject to the Landowner's application for Expedited Decertification is zero dollars (\$0.00), with the exception that Liberty Utilities should be allowed to recover necessary and reasonable legal and professional fees as approved by the Commission.	Filed Motion of Abatement on 4/1/2021 stating parties have reached an agreement in principle on compensation and, in lieu of further pursuing the appraisal process, will coordinate to memorialize the details of their agreement in writing.
14	51044	Rockett Special Utility District (10099 W)	Willdan Financial Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Willdan opinion that the compensation determination for the area subject to the Landowner's application for Expedited Decertification is zero dollars (\$0.00), with the exception that Rockett Special Utility District should be allowed to recover necessary and reasonable legal and professional fees as approved by the Commission.	No Compensation due.
15	51166	SWWC Utilities, Inc. (11978 W and 20650 S)	DGRA, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ -	\$ 10,000	Only value is for necessary and reasonable legal expenses and professional fees. However, this is an estimate as no expense information was provided to the appraiser.	No Compensation due.

Appendix C  
Schedule 1  
Selected Appraisal Reports Summary for Decertified CCN Parcels

Trans. No.	Control No.	CCN Holder (CCN No.)	Appraiser	Value Factors (1)								Notes	Final Commission Order (If any)
				A	B	C	D	E	F	G	H		

Notes: (1) Value Factors shown above include:

- A The amount of the retail public utility's debt allocable for service to the area in question.
- B The value of the service facilities of the retail public utility located within the area in question.
- C The amount of any expenditures for planning, design, or construction of service facilities that are allocable to service to the area in question.
- D The amount of the retail public utility's contractual obligations allocable to the area in question.
- E Any demonstrated impairment of service or increase of cost to consumers of the retail public utility remaining after the decertification.
- F The impact on future revenues lost from existing customers.
- G Necessary and reasonable legal expenses and professional fees.
- H Other Relevant Factors.

Appendix C  
Schedule 2  
Summary Value Results for Decertified CCN Parcels

Control No.	CCN W	CCN S	CCN Holder	Petitioner/Service Provider	Year	Price	Acres Decertified	Notes
44555		20694	Tall Timbers Utility Company, Inc.	Tyler Oak Creek Development, LLC/ City of Tyler	6/19/2015	\$ -	129.09	NewGen Valuation Report showed \$0 value.
45244	13201	21059	Aqua Texas, Inc	SLF IV-114 Assemblage, L.P./City of Fort Worth	12/10/2015	\$ -	1,102.00	NewGen preliminary value \$0
45292	11916	20629	Suetrak USA Company, Inc.	City of Fort Worth	1/7/2016	\$ -	1,102.00	NewGen Valuation Report showed \$0 value.
45450	13201		Aqua Texas, Inc	Smiley Road, Ltd./ Mustang Special Utility District's (Mustang SUD)	3/14/2016	\$ -	111.00	NewGen Valuation Report showed \$0 value. However, it stated if compensation was to be made it should be \$541.96.
45462	13201		Aqua Texas, Inc	Smiley Road, Ltd./ Mustang Special Utility District's (Mustang SUD)	3/14/2016	\$ -	899.00	NewGen Valuation Report showed \$0 value. However, it stated if compensation was to be made it should be \$4,340.54.
45702		20973	Green Valley Special Utility District	City of Cibolo	1/18/2018	\$ -	1,694.00	NewGen preliminary value \$0
45956		20973	Green Valley Special Utility District	City of Schertz	11/17/2017	\$ -	405.00	NewGen preliminary value \$0
46120	10908		Mountain Peak Special Utility District	City of Midlothian	11/17/2017	\$ -	97.70	Initial case was 44394.
46140	10456		Kempner Water Supply Corporation	City of Lampasas	8/10/2017	\$ -	149.00	No compensation due.
50077	13203	21065	Aqua Texas, Inc	Kristin Calfee Bybee	7/31/2020	\$ 4,250.00	25.60	No appraisal report. Only settlement agreement.
50109	13203	21065	Aqua Texas, Inc	Carol C. Van Alstyne	7/17/2020	\$ 4,000.00	25.30	NewGen Valuation Report showed \$0 value.
50258		20586	UA Holdings 1994-5, LP	Clay Road 628 Development, LP	6/18/2020	\$ -	194.00	NewGen Valuation Report showed \$0 value.
50260	13259		Simply Aquatics, Inc	Clay Road 628 Development, LP	7/29/2020	Confidential	5.50	No appraisal report. Confidential settlement amount.
50464		20694	Tall Timbers Utility Company, Inc.	Cooper Empire, LLC,	9/8/2020	\$ 32,000.00	27.00	No appraisal report. Only settlement agreement.
50495	20075		City of Lakewood Village	The Sanctuary Texas LLC	3/23/2021	\$ -	70.13	Kimley Horn Valuation Report showed \$0 value.
51044	10099		Rockett Special Utility District	FCS Lancaster, Ltd.	4/20/2021	\$ -	156.00	Willdan Financial Services preliminary value \$0.
51150	10908		Mountain Peak Special Utility District	DJD Land Partners LLC	3/8/2021	Confidential	65.53	No appraisal report. Confidential settlement amount.
51166	11978	20650	SWWC Utilities, Inc.	Colorado River Project, LLC	5/26/2021	\$ -	1,322.36	DGRA, Inc. appraisal only necessary and reasonable legal expenses and professional fees (estimate \$10,000).
51423	10294		Aqua Water Service Corporation	West Bastrop Village, Ltd	2/10/2021	\$ -	347.90	No appraisal report. No compensation due.



# Appendix D

## Dan V. Jackson. M.B.A.

### Vice President and Principal in Charge

Mr. Jackson has 35 years of experience as an international financial expert, having completed more than 400 water, wastewater, electric, gas, solid waste and stormwater rate/cost of service studies and long-term financial plans for clients in the USA and the Pacific region. He also has served as an expert witness in state court, federal court and before several public utility commissions. Mr. Jackson's prior experience includes positions with Deloitte and Touche, Reed-Stowe & Company and Arthur Andersen. In 1997, Mr. Jackson co-founded Economists.com LLC, an international consulting firm with offices in Dallas and Portland, Oregon. Willdan acquired Economists.com in 2015, and Mr. Jackson now serves as Vice President and Managing Principal. Mr. Jackson has given dozens of lectures and presentations before professional associations. He is also an accomplished author; his award-winning novel **Rainbow Bridge** is now available in bookstores and on Amazon.com and bn.com.

His experience is summarized below.

### Water/Wastewater – Rate Studies and Long-Term Financial Plans for which Mr. Jackson served as Project Manager

#### Dallas/Fort Worth

▪ Allen, TX	2007, 2009, 2012,2016
▪ Balch Springs, TX	2017,2021
▪ Cedar Hill, TX	2016, 2018
▪ Celina, TX	2014, 2018, 2019,2020,2021
▪ Coppell, TX	2017,2020,2021
▪ Denton County FWSD 1A, TX	2017
▪ Denton County FWSD 8C, TX	2018
▪ DeSoto, TX	2005 -- 2019
▪ Duncanville, TX	2002, 2003, 2007, 2013, 2014, 2018
▪ Fairview, TX	2016, 2018
▪ Ferris, TX	2020
▪ Frisco, TX	2017
▪ Garland, TX	2009 –2012
▪ Grand Prairie, TX	2019,2020
▪ Hackberry, TX	2006
▪ Heath, TX	2020
▪ Hutchins, TX	2017,2019
▪ Kaufman, TX	1994
▪ Little Elm, TX	2001, 2004,2008-2016
▪ McKinney, TX	2010, 2016, 2019
▪ Mesquite, TX	2018
▪ Midlothian, TX	2000, 2003, 2006, 2010 2016,2021
▪ Oak Point, TX	2006, 2011
▪ Parker, TX	2016
▪ Plano, TX	2017,2020
▪ Princeton, TX	2012
▪ Prosper, TX	2005, 2016, 2018
▪ Richardson, TX	2016
▪ Rowlett, TX	2009, 2017, 2019,2021

#### Education

*Master of Business  
Administration,  
University of Chicago,  
1984;  
Specialization in  
Finance/Accounting*

*Bachelor of Arts,  
University of Chicago,  
1982; Major in Social  
Sciences  
Dean's Honor List*

#### Areas of Expertise

*Rate Design  
Cost of Service  
Financial Forecasting  
Valuation Analysis  
Acquisition Analysis  
Privatization Analysis  
Economic Impact Analysis  
Expert Witness Testimony*

#### Affiliations

*Member, American  
Water Works Association*

*National Association for  
Business Economics*

#### Other

*The Forgotten Men  
(fiction) – Mediaguruz  
Rainbow Bridge – Fiction  
– Mirador Publishing*

#### 36 Years' Experience

<b>D. Jackson</b> <i>Resume Continued</i>	▪ Royse City, TX	2007, 2011,2018
	▪ Rockwall, TX	2018
	▪ Sachse, TX	2014
	▪ Sherman, TX	2021
	▪ Venus, TX	2005, 2012
	▪ Waxahachie, TX	2012
	<b><u>State of Texas</u></b>	
	▪ Alamo Heights, TX	2018
	▪ Amarillo, TX	2017
	▪ Aqua Water Supply Corporation, TX	2003
	▪ Brownsville PUB, TX	2020,2021
	▪ Brady, TX	2016
	▪ Castroville, TX	2016,2018
	▪ Cibolo Creek Municipal Authority	2012, 2015
	▪ Del Rio, TX	2020,2021
	▪ Donna, TX	2007, 2011, 2012, 2013,2015-2020
	▪ El Paso County WCID #4, TX	2005, 2007, 2010, 2011, 2015,2019
	▪ El Paso County Tornillo WCID, TX	2006, 2010
	▪ Galveston, TX	2020
	▪ Groesbeck, TX	2001, 2004
	▪ Harker Heights, TX	2006
	▪ Hewitt, TX	2009 – 2015, 2021
	▪ Hondo, TX	2019
	▪ Jonah Special Utility District, TX	2006
	▪ Kempner WSC, TX	2014-2015
	▪ Laredo, TX	2018,2019
	▪ Laguna Madre Water District, TX	1991-1999, 2005, 2014, 2018,2020
	▪ La Villa, TX	2007
	▪ Leander, TX	2017-2018, 2020,2021
	▪ League City, TX	2019
	▪ Liberty Hill, TX	2018,2019
	▪ Los Fresnos, TX	2007,2017
	▪ Marble Falls, TX	2020
	▪ McLendon-Chisholm, TX	2019
	▪ Mercedes, TX	2001, 2003
	▪ New Braunfels, TX	2019
	▪ North Fort Bend Water Authority, TX	2011, 2016,2020
	▪ Paris, TX	1995
	▪ Port Arthur, TX	2020
	▪ Port of Houston Authority, TX	2001
	▪ Primera, TX	2021
	▪ Raymondville, TX	2001
	▪ Robinson, TX	2012, 2014, 2015
	▪ Robstown, TX	2014, 2015
	▪ San Juan, TX	2019
	▪ Schertz, TX	2012 – 2019
	▪ Seguin, TX	2015 -- 2020
	▪ Selma, TX	2018
	▪ Schertz-Seguin Local Govt Corporation, TX	2009 – 2021
	▪ Sonora, TX	2012
	▪ Southmost Regional Water Authority, TX	2001

**D. Jackson**  
*Resume Continued*

▪	Tomball, TX	2018
▪	Troup, TX	2006
▪	Venus, TX	2005, 2012
▪	West Harris County Regional Water Auth, TX	2003, 2006, 2010, 2011,2016
▪	Webb County, TX	2011
▪	Whitehouse, TX	2008
▪	Winona, TX	2009
▪	Yancey Water Supply Corporation, TX	2005
	<b><u>Arizona</u></b>	
▪	Bisbee, AZ	2000 – 2005, 2018
▪	Buckeye, AZ	2013, 2015, 2016
▪	Camp Verde Sanitary District, AZ	2006, 2008
▪	Carefree, AZ	2018
▪	Casa Grande, AZ	2009
▪	Chino Valley, AZ	2010-2018
▪	Chloride Domestic Water Imp District, AZ	2003
▪	Clarkdale, AZ	2005
▪	Clifton, AZ	2018
▪	Cottonwood, AZ	2004, 2007, 2009
▪	Douglas, AZ	2009, 2011
▪	Eagar, AZ	2006, 2011, 2012
▪	Eloy, AZ	2007, 2011-2013
▪	Florence, AZ	2008, 2012
▪	Flowing Wells Improvement District, AZ	2008
▪	Goodyear, AZ	2014, 2015,2019-2020
▪	Holbrook, AZ	2004
▪	Jerome, AZ	2019
▪	Marana, AZ	2008 – 2013, 2016
▪	Miami, AZ	2010 – 2012, 2015
▪	Nogales, AZ	2011, 2015-2016, 2018
▪	Patagonia, AZ	1999, 2002
▪	Payson, AZ	2006, 2010, 2012-2014,2019,2020
▪	Prescott, AZ	2008
▪	Quartzsite, AZ	2004, 2009, 2011, 2012, 2018
▪	Queen Creek, AZ	2004, 2007, 2015, 2016
▪	Safford, AZ	2006
▪	San Luis, AZ	2002, 2012, 2013, 2017, 2018,2021
▪	Show Low, AZ	2011, 2014
▪	Somerton, AZ	1999, 2002, 2005-2010,2018
▪	Tombstone, AZ	2001
▪	Tonto Village DWID, AZ	2018
▪	Wellton, AZ	2003
▪	Willcox, AZ	2002
▪	Winslow, AZ	2016, 2018
▪	Yuma, AZ	2007, 2014, 2015, 2018
	<b><u>USA</u></b>	
▪	North Chicago, IL	2001,2005
▪	Ada, OK	2014, 2015,2018
▪	Altus, OK	2020
▪	Chickasha, OK	2016

D. Jackson <i>Resume Continued</i>	▪ Edmond, OK	2010, 2015,2017,2018
	▪ Miami, OK	2009, 2014,2017
	▪ Pryor, OK	2016
	▪ Bryant, AR	2020
	▪ Hot Springs, AR	2005, 2009-2020
	▪ North Little Rock Wastewater Utility, AR	1999, 2003, 2006, 2011-2015
	▪ Russellville, AR	2013,2014,2015,2019
	▪ Sarpy County, NE	2018
	▪ South Adams County WSD, CO	2013

#### Solid Waste and Stormwater – Rate Studies and Long-Term Financial Plans

▪ Balch Springs,TX	2021
▪ Coppell, TX	2020
▪ Duncanville, TX	2007
▪ Frisco, TX	2017
▪ Hewitt, TX	2010
▪ Mercedes, TX	1999
▪ San Luis, AZ	2003, 2013
▪ Somerton, AZ	2006
▪ San Marcos, TX	2018
▪ Goodyear, AZ	2020
▪ Hot Springs, AR	2011, 2012, 2013, 2016
▪ Miami, OK	2009

#### Water/Wastewater –CCN/ System Valuations and Acquisitions

▪ Avondale, AZ	2006
▪ Bullhead City, AZ	2020
▪ Buckeye, AZ	2013-2015
▪ Casa Grande, AZ (private)	2015
▪ Chino Valley, AZ	2006, 2016,2018
▪ Cottonwood, AZ	2009, 2012
▪ Clarksdale, AZ	2009
▪ Florence, AZ	2007, 2014
▪ Marana, AZ	2009, 2010
▪ Pine Strawberry Water Imp District, AZ	2009
▪ Prescott, AZ	2006
▪ Prescott Valley, AZ	1998
▪ Queen Creek, AZ	2008, 2011
▪ Show Low, AZ	2010, 2011
▪ Aubrey, TX	2015
▪ Arlington, TX	1999, 2001
▪ Celina, TX	2006, 2015
▪ Forney Lake WSC, TX	2016
▪ Gunter, TX	2006
▪ Kempner WSC, TX	2016
▪ FCS Lancaster,TX	2021
▪ Taylor, TX	1999

**D. Jackson**  
*Resume Continued*

▪ Whitehouse, TX	2006
▪ Van Alstyne, TX	2019
▪ Rockwall, TX	2005
▪ Trinity Water Reserve, TX	2000
▪ North Chicago, IL	2001
▪ North Little Rock WWU, AR	2015

#### **Water/Wastewater – Impact Fee Studies**

▪ East Medina County Special Utility District, TX	2000
▪ Cibolo Creek Municipal Authority, TX	2015
▪ Harlingen, TX	2005
▪ Laguna Madre Water District, TX	1993, 1996, 2000, 2003
▪ Liberty Hill, TX	2019
▪ Los Fresnos, TX	2006
▪ Mesquite, TX	1996
▪ Seguin, TX	2015,2020
▪ San Luis, AZ	2002
▪ Marana, AZ	2011- 2014
▪ Wellton, AZ	2003
▪ Prescott, AZ	2007
▪ Yuma, AZ	2004, 2007, 2016
▪ Hot Springs, AR	2005, 2009, 2016

#### **International Regulated Utilities – Pacific and Caribbean**

▪ Water Authority of Fiji	2016,2019
▪ Palau Public Utilities Corporation	2018
▪ Kiribati Public Utilities Board	2019,2020
▪ EPC, Independent State of Samoa	2013
▪ Commonwealth Utilities Corporation Saipan	2005-2021
▪ American Samoa Power Authority	2009,2014,2016
▪ Guam Power Authority	2011
▪ Virgin Islands Telephone Company	1990-1991

#### **Expert Witness Testimony**

**City of Arlington, TX** – Seven separate cost of service analyses and testimony in wholesale contract rate proceedings before TNRCC. Largest ongoing wastewater rate dispute in Texas history, 1990-1994.

**Cameron County Fresh Water Supply District No. 1 vs. Town of South Padre Island** (TNRCC Docket 30346-W) – Expert testimony on reasonableness of rate structure, 1992.

**Cameron County Fresh Water Supply District No. 1 vs. Sheraton Hotel/Outdoor Resorts** (TNRCC Docket 95-0432-UCR) – Expert testimony on reasonableness of rate structure, 1993.

**Laguna Madre Water District** (PUC Docket 49154) – Expert testimony on the reasonableness of the District's raw water rate -- 2019.

**City of Celina, TX** (SOAH Docket 2003-0762-DIS) – Expert testimony on the proposed creation of a Municipal Utility District, 2004.

**D. Jackson**  
*Resume Continued*

**City of Celina, TX** (PUC Docket No. 49225) – Expert testimony on the reasonableness of outside city limit rates – 2020.

**East Medina County Special Utility District** (SOAH Docket 582-02-1255) – Expert testimony on CCN application, 2003.

**East Medina County Special Utility District** (SOAH Docket 582-04-1012) – Expert testimony on CCN application, 2004.

**City of Karnes City, TX** – Expert testimony on valuation of CCN before the Texas Commission on Environmental Quality, 2009.

**City of Princeton, TX** (SOAH Docket 582-06-1641 and TCEQ Docket 2006-0044-UCR) – Expert testimony on ability to serve proposed service territory, 2007.

**Town of Little Elm, TX** (SOAH Docket 582-01-1618) – Expert testimony on reasonableness of rate structure, 2001.

**Schertz Seguin Local Government Corporation** – Expert testimony addressing application of San Antonio Water System for groundwater permits for Gonzalez County UWCD, 2009.

**City of Ruidoso, NM** – Expert testimony on reasonableness of Wastewater Rates, 2010.

**City of Hot Springs, AR** – Expert witness testimony on Reasonableness of Stormwater Rates, 2010.

**Dallas County Water Control and Improvement District No. 6** (TNRCC Docket 95-0295-MWD) – Hearing on the merits for proposed wastewater treatment plant permit, 1995.

**Commonwealth Utilities Corporation Saipan** -- Expert testimony before Commonwealth Public Utilities Commission on reasonableness of rate structure, 2010-2015.

**City of Mesquite, Texas vs. Southwestern Bell Telephone Company (No. 3-89-0115-T, U.S. Federal Court Northern Texas)** -- 18 year estimate of revenues excluded from municipal franchise fees by SWB. Expert testimony on SWB accounting and franchise policies and Discovery disputes, 1991-1995.

**City of Port Arthur, et. al., vs. Southwestern Bell Telephone Company (No. D-142,176, 136th Judicial District Court of Beaumont, Texas)** -- 20 year estimate of revenues excluded from municipal franchise fees by SWB. Expert testimony on SWB accounting and franchise policies. 1993-1995.

**Southwestern Bell Telephone Company vs. City of Arlington, Texas (No. 3:98-CV-0844-X, U.S. Federal Court Northern Texas)** -- 15 year estimate of access revenues excluded from municipal franchise fees by SWB. Expert testimony on SWB accounting and franchise policies, 1996.

**Metro-Link Telecom vs. Southwestern Bell Telephone Company (No. 89-CV-0240, 56th Judicial District Court Galveston County Texas)** -- 20 year pro forma model calculating lost revenue from the cancellation of a trunk line leasing contract.

**Complaint of the City of Denton against GTE Southwest, Inc. (PUC Docket 14152), 1994.**

**GTE vs. City of Denton (No. 95-50259-367, 367th Judicial District Court of Denton County, Texas)** -- 10 year estimate of revenues excluded from municipal franchise fees by GTE, 1994-1996.

**MAS vs. City of Denton, Texas (No. 99-50263-367, Judicial District Court of Denton County, Texas)** – Testimony on reasonableness of franchise fee payment calculations.

#### **Water/Wastewater – Other Studies**

**City of Paris, TX** – Campbell's Soup Co. wholesale contract review/negotiations.

**City of Conroe, TX** – Evaluation of proposed long-term wholesale contract.

**Cities of Bellmead, Woodway and Hewitt, TX** – Least cost alternative analysis and assistance with

**D. Jackson**  
*Resume Continued*

wholesale contract negotiations with City of Waco.

**City of Lubbock, TX** – Analysis of reasonableness of rates for Franklin Water System, January 2002.

**City of Rockwall, TX** – Wholesale contract review, 2005.

**City of Miami, OK** – Non-rate revenue study, 2010.

**Town of Payson, AZ** – Financial feasibility and economic impact study of C.C. Cragin Reservoir, 2011.

**City of Duncanville, TX** – Water and wastewater cost allocation study, 2002.

**City of Whitehouse, TX** – Economic analysis of potential acquisition of a water supply corporation, 2006.

**City of Midlothian, TX** – Drought management plans, 2001.

**City of Midlothian, TX** – Assistance with wholesale contract negotiations, 2000-2001.

**City of Arlington, TX** – Cost of service study for non water/sewer revenues, 1997.

**City of Arlington, TX** – Lease vs. purchase analysis of city fixed assets, 1998.

**City of Donna, TX** – Water and wastewater affordability analysis, 2005.

**Southmost Regional Water Authority** – Economic and financial impact of proposed desalination treatment plant, 2001.

**Texas Water Development Board Region M** – Financial feasibility analysis of water resource alternatives, 2006.

**Laguna Madre Water District** – Lost/unaccounted for water study, 1992.

**Schertz Seguin Local Government Corporation** – Assistance in contract negotiations with SAWS, 2010.

**California-American Water Company** – Reasonableness of rate structure for City of Thousand Oaks, 2003.

**California-American Water Company** – Reasonableness of rate structure for City of Felton, 2004.

**Forsyth County, GA** – Business plan with extensive recommendations for managing unprecedented growth in volume and customer connections. Ten-year projection of operating income, 1998.

**City of Lakeland, FL** – Valuation of wastewater reuse alternatives over 20-year timeframe.

**Border Environment Cooperation Commission and City of Bisbee, AZ** – Wastewater system improvements plan, 2003.

**Water Infrastructure Finance Authority of Arizona** – Evaluation of 40-year wastewater construction financing plan for Lake Havasu City, 2002.

**Water Infrastructure Finance Authority of Arizona** – Comprehensive residential water and wastewater rate survey for the state of Arizona, 2004-2008.

**City of Plano, TX** – evaluation of long-term contract with North Texas Municipal Water District, 2015-2020.

**Regulated Utilities – USA**

**City of Miami, OK** – Electric, water and wastewater and electric rate study, 2006.

**Bonneville Power Administration** ---Participation in Average System Cost (ASC) program, including proposed changes in ASC methodology, 1988-1990.

**Houston Lighting & Power** -- Feasibility/Prudence analysis of South Texas Nuclear Project vs. alternate forms of energy. Analysis formed the basis of partner's expert testimony before the Public Utility Commission of Texas, 1988.

**Kansas Power & Light** – Analysis of proposed merger with two separate companies, 1988.



D. Jackson  
Resume Continued

**Greenville Electric Utility System-** Development of short-term cash investment policy in accordance with state law, 1989.

**Horizon Communications**– Business plan development, 2000.

**City of Mercedes, TX** – Economic Impact of New City Projects, 2000.

#### **Telecommunications**

**City of Dallas, TX** – Forecast of economic and financial construction and non-construction damages resulting from franchise's failure to fulfill terms of agreement, 2004

**City of Dallas, TX** ---Financial evaluation and forecast of alternative wireless services contracts, 2005.

**City of Dallas, TX** --Evaluation and advice concerning VOIP contract with SBC, 2003

**Voice Web Corporation**-- Financial forecast and strategic plan for CLEC development, 2001

**United Telephone of Ohio** -- Pro forma forecast model forecasting the impact on financial statements of proposed changes in state telecommunications regulatory structures. Model was used as the basis for privatization bids for Argentine and Puerto Rican Telephone Companies, 1988.

**Bonneville Power Administration** – Evaluation and financial forecast of long-term fiber optic leasing operation, 1999.

**Bonneville Power Administration** – Economics of Fiber Analysis, 1999.

**City of Portland, Oregon** –Municipal Franchise Fee Review, 2000.

**US West, Inc.** – Valuation study and financial forecast of headquarters operation. Used as basis for Partner's allocated cost testimony before the Public Utility Commission in Washington and Utah.

**Star-Tel** -- Estimate of revenues lost due to rival's unfair business practices, 1995.

**Cities of Denton and Carrollton, Texas** -- Review of municipal franchise fee payments by GTE, 1994-1996.

**Winstar Gateway Network** -- forecast of average lifespan per ANI for specific customer classes.

**Advisory Commission on State Emergency Communications** -- Review of E911 Equalization Surcharge Payments by AT&T, ATC Satelco, and Lake Dallas Telephone Company.

**Northern Telecom** -- Projection of potential revenue generated from the long-term lease of DMS-100 switching units to Pacific Bell.

#### **Publications/Presentations/Seminars**

- ***The Forgotten Men (fiction)*** – Mediaguruz Publishing, 2012.
- ***Rainbow Bridge (fiction)*** – Mirador Publishing, 2020. Winner, 2021 Feathered Quill Silver Award for Animal-based literature.
- ***Raising Water and Wastewater Rates – How to Maximize Revenues and Minimize Headaches*** – Arizona Small Utilities Association, August 2002; Texas Section AWWA, April 2003
- ***Wholesale Providers and the Duty to Serve: A Case Study*** – Water Environment Federation, September 1996.
- ***Lease vs. Purchase – A Guideline for the Public Sector*** – Texas Town and City, March 1998•.
- ***An Introduction to Lease vs. Purchase*** – Texas City Managers Association – May 1998.
- ***Technische Universiteit Delft*** – Delft Netherlands -- Annual Infrastructure Conference – May 2000, 2001.
- ***The US Water Industry – A Study in the Limits of Privatization*** -- Technische Universiteit Delft – Delft Netherlands – March 2007.

**D. Jackson**  
*Resume Continued*

- *The New Information Economy: Opportunity or Threat to the Rio Grande Valley?* – Rio Grande Valley Economic Summit -- Oct 2000.
- *The Financial Benefits of Regionalization – A Case Study* – Texas Water Development Symposium – September 2010.
- *Developing Conservation Water Rates Without Sacrificing Revenue* – TWCA Conference, San Antonio Texas, October 2012.
- *Water Rates – Challenges for Pacific Utilities* – Pacific Water and Wastes Conference, American Samoa, September 2014.