

## PRELIMINARY OFFICIAL STATEMENT DATED OCTOBER 20, 2021

Ratings: Moody's: "\_\_\_\_"  
S&P: "\_\_\_\_"  
Fitch: "\_\_\_\_"

(See "OTHER RELEVANT INFORMATION – Ratings" in this document.)

### NEW ISSUE – Book-Entry-Only

*Delivery of the Bonds (as defined below) is subject to the receipt of the opinion of McCall, Parkhurst & Horton L.L.P., Bond Counsel to the City (defined below), to the effect that, assuming continuing compliance by the City with certain covenants contained in the Thirty-Eighth Supplement (defined below) described in this document, interest on the Bonds will be excludable from gross income for purposes of federal income taxation, subject to the matters described under "TAX MATTERS" in this document.*

### CITY OF AUSTIN, TEXAS

**\$215,440,000\***

### Water and Wastewater System Revenue Refunding Bonds, Series 2021

**Dated: September 27, 2021**

**Due: November 15, as shown on page ii of this document**

**Interest to accrue from Date of Initial Delivery**

The bonds offered in this document are the \$215,440,000\* City of Austin, Texas Water and Wastewater System Revenue Refunding Bonds, Series 2021 (the "Bonds"). The Bonds are to be issued as "Parity Water/Wastewater Obligations" pursuant to an ordinance (the "Master Ordinance") adopted by the City Council of the City of Austin, Texas (the "City"), on June 8, 2000, and a supplemental ordinance adopted by the City Council of the City on October 14, 2021 (the "Thirty-Eighth Supplement"). The Master Ordinance and Thirty-Eighth Supplement together are referred to in this document as the "Bond Ordinance." The Thirty-Eighth Supplement delegated to a designated "Pricing Officer" the authority to effect the sale of the Bonds, subject to the terms of the Thirty-Eighth Supplement. See "INTRODUCTION" in this document. The Master Ordinance contains the terms for the issuance of Parity Water/Wastewater Obligations and the covenants and security provisions related thereto. The City also has outstanding one series of Prior Subordinate Lien Obligations, which are secured by joint and several pledges of the net revenues of both the Water and Wastewater System and the Electric Utility System. The City must comply with the covenants and security provisions related to the Prior Subordinate Lien Obligations while such obligations remain outstanding. The Master Ordinance prohibits the issuance of additional revenue obligations secured by joint and several pledges of the net revenues of both the Water and Wastewater System and the Electric Utility System such as Prior Subordinate Lien Obligations. Commercial Paper Obligations having a combined pledge of Electric Utility System and Water and Wastewater System net revenues may continue to be issued on a subordinate lien basis to the Parity Water/Wastewater Obligations. The Bonds are special obligations of the City, payable as to both principal and interest solely from and, together with the Previously Issued Parity Water/Wastewater Obligations and Outstanding Prior Subordinate Lien Obligations, equally and ratably secured by a lien on and pledge of the Net Revenues of the Water and Wastewater System, as provided in the Master Ordinance and the Thirty-Eighth Supplement. Additionally, the Bonds and Previously Issued Parity Water/Wastewater Obligations referenced above are equally and ratably secured by a parity lien on the funds, if any, deposited to the credit of the Debt Service Fund (excluding any funds on deposit in the BAB Subsidy Subaccount, which was established for the exclusive benefit of the owners of the City's Water and Wastewater System Revenue Refunding Bonds, Taxable Series 2010B (Direct Subsidy – Build America Bonds)). The Bonds do not constitute a legal or equitable pledge, charge, lien or encumbrance upon any property of the City or the Water and Wastewater System, except with respect to the Net Revenues. The holders of the Bonds do not have any right to moneys or other Reserve Fund Obligations held in the Reserve Fund. See "SECURITY FOR THE BONDS – Bonds Not Secured by any Debt Service Reserve Fund" in this document. **Neither the taxing power of the City nor the taxing power of the State of Texas (the "State") is pledged as security for the Bonds.** See "SECURITY FOR THE BONDS" in this document.

#### MATURITY SCHEDULE

**See "Maturity Schedule" on page ii**

The Bonds are issuable only in fully registered form in the denomination of \$5,000 or any integral multiple thereof within a maturity. Interest on the Bonds shall accrue from the date of initial delivery of the Bonds and shall be payable on May 15, 2022 and each November 15 and May 15 thereafter until maturity or prior redemption. Interest to be paid on the Bonds will be calculated on the basis of a 360-day year consisting of twelve 30-day months. The Bonds will be registered in the name of Cede & Co., as nominee of The Depository Trust Company, New York, New York ("DTC"). DTC will act initially as securities depository for the Bonds, and individual purchases of the Bonds will be made in book-entry form only. See "DESCRIPTION OF THE BONDS" in this document.

The Bonds are offered for delivery when, as, and if issued and subject, among other things, to the opinions of the Attorney General of Texas and McCall, Parkhurst & Horton L.L.P., Bond Counsel for the City, as to the validity of the issuance of the Bonds under the Constitution and laws of the State. (See "APPENDIX E – Form of Bond Counsel's Opinion" in this document). Certain legal matters will be passed upon for the City by Bracewell LLP, Austin, Texas as Disclosure Counsel for the City, and for the Underwriters by their counsel, Haynes and Boone, LLP. The Bonds are expected to be available for delivery on or about November 18, 2021.

**Morgan Stanley**

**Baird**

**Piper Sandler & Co.**

**Raymond James**

\*Preliminary, subject to change.

**CITY OF AUSTIN, TEXAS**  
**\$215,440,000\***  
**Water and Wastewater System Revenue Refunding Bonds, Series 2021**  
**Base CUSIP No. 052477 (1)**

**MATURITY SCHEDULE**

Maturity Date <u>(November 15)</u>	Principal <u>Amount</u>	Interest <u>Rate</u>	Initial <u>Yield</u>	CUSIP <u>Suffix</u> (1)
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\$\_\_\_\_\_ Term Bond due November 15, 20\_\_; Rate \_\_\_\_\_%; Initial Yield \_\_\_\_\_% (2), CUSIP 052476\_\_\_\_\_

**(Interest to accrue from Date of Initial Delivery)**

**Redemption of the Bonds\***

The Bonds will be subject to optional redemption and mandatory sinking fund redemption as described in “DESCRIPTION OF THE BONDS – Optional Redemption of the Bonds” and “– Mandatory Sinking Fund Redemption of the Bonds” in this document.

\*Preliminary, subject to change.

- (1) CUSIP is a registered trademark of the American Bankers Association. CUSIP data in this document is provided by CUSIP Global Services, managed by S&P Global Market Intelligence on behalf of the American Bankers Association. This data is not intended to create a database and does not serve in any way as a substitute for the CUSIP services. CUSIP numbers are provided for convenience of reference only. The City, the Financial Advisor, and the Underwriters do not take any responsibility for the accuracy of such numbers.

## CITY OF AUSTIN

### Elected Officials

		<u>Term Expires Jan. 5</u>
Steve Adler .....	Mayor	2023
Natasha Harper-Madison, Mayor Pro-Tem .....	Councilmember District 1	2023
Vanessa Fuentes.....	Councilmember District 2	2025
Sabino “Pio” Renteria .....	Councilmember District 3	2023
Gregorio “Greg” Casar .....	Councilmember District 4	2025
Ann Kitchen .....	Councilmember District 5	2023
Mackenzie Kelly .....	Councilmember District 6	2025
Leslie Pool .....	Councilmember District 7	2025
Paige Ellis .....	Councilmember District 8	2023
Kathryne B. Tovo.....	Councilmember District 9	2023
Alison Alter .....	Councilmember District 10	2025

### Appointed Officials

Spencer Cronk .....	City Manager
Anne Morgan.....	Interim Deputy City Manager
Ed Van Eenoo .....	Chief Financial Officer
Diana Thomas .....	Deputy Chief Financial Officer
Kimberly Olivares .....	Deputy Chief Financial Officer
Deborah Thomas .....	Acting City Attorney
Jannette S. Goodall .....	City Clerk

#### **BOND COUNSEL**

McCall, Parkhurst & Horton L.L.P.  
Austin and Dallas, Texas

#### **DISCLOSURE COUNSEL FOR THE CITY**

Bracewell LLP  
Austin, Texas

#### **FINANCIAL ADVISOR**

PFM Financial Advisors LLC  
Austin, Texas

#### **INDEPENDENT AUDITORS**

Deloitte & Touche LLP  
Austin, Texas

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## SELECTED FINANCIAL INFORMATION

### Combined Utility Systems (Electric Utility System and Water and Wastewater System)

The selected financial information below presents selected historical information related to the Combined Utility Systems of the City, which is comprised of the Electric Utility System and the Water and Wastewater System of the City, presented on a combined basis. The financial information for the fiscal years ended September 30, 2017 through September 30, 2020 is derived from the City's audited financial statements for the respective fiscal years. This information should be read in conjunction with the audited financial statements included in "APPENDIX B – AUDITED FINANCIAL STATEMENTS" in this document.

The historical financial information includes debt service on obligations issued under liens of the Combined Utility Systems that are now closed: the Prior First Lien Obligations (no obligations outstanding as of May 15, 2019) and the Prior Subordinate Lien Obligations (one series of obligations outstanding with a final maturity of May 15, 2025). These closed prior liens are secured by joint and several pledges of the net revenues of both the Water and Wastewater System and Electric Utility System. While the remaining series of Prior Subordinate Lien Obligations remain outstanding, the City must comply with the covenants and security provisions relating to such Prior Subordinate Lien Obligations. **The Master Ordinance provides that no additional revenue obligations payable from the same sources and secured in the same manner as the Prior First Lien Obligations and Prior Subordinate Lien Obligations shall be issued.** Commercial Paper Obligations (defined in this document) currently authorized, having a combined pledge of Net Revenues of the Combined Utility Systems, may continue to be issued on a subordinate lien basis to the Parity Water Wastewater Obligations.

### Operating Summary of the Combined Utility Systems

	<u>12 Months Ended 6-30-2021(2)</u>	Fiscal Year Ended September 30 (\$000's)			
		<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>
Combined Gross Revenues	\$1,834,171	\$1,959,941	\$2,031,435	\$1,998,556	\$1,974,948
Combined Maintenance and Operating Expenses	<u>1,235,386</u>	<u>1,332,726</u>	<u>1,366,470</u>	<u>1,334,151</u>	<u>1,252,196</u>
Combined Net Revenues	<u>\$ 598,785</u>	<u>\$ 627,215</u>	<u>\$ 664,965</u>	<u>\$ 664,405</u>	<u>\$ 722,752</u>
Principal and Interest on Revenue Bonds of the Combined Utility Systems (Prior First Lien Obligations and Prior Subordinate Lien Obligations) (1)	\$ 14,962	\$ 21,090	\$ 46,527	\$ 80,433	\$ 60,298
Debt Service Coverage on Revenue Bonds of the Combined Utility Systems (Prior First Lien Obligations and Prior Subordinate Lien Obligations) (1)	40.02x	29.74x	14.29x	8.26x	11.99x

(1) Includes only the Prior First Lien Obligations, which were fully paid and discharged on May 15, 2019, and Prior Subordinate Lien Obligations, which are the obligations secured by a pledge of the Net Revenues of the Combined Utility Systems.

(2) Preliminary. See "OTHER RELEVANT INFORMATION – Independent Auditors" in this document.

*[The remainder of this page is intentionally left blank.]*

## Water and Wastewater System Only

The selected financial information below presents selected historical information related to the Water and Wastewater System of the City. The financial information for the fiscal years ended September 30, 2017 through September 30, 2020 is derived from the City's audited financial statements for the respective fiscal years. This information should be read in conjunction with the audited financial statements included in "APPENDIX B – AUDITED FINANCIAL STATEMENTS" in this document.

The historical financial information includes debt service on obligations issued under liens of the Combined Utility Systems that are now closed: the Prior First Lien Obligations (no obligations outstanding as of May 15, 2019) and the Prior Subordinate Lien Obligations (one series of obligations outstanding with a final maturity of May 15, 2025). These closed prior liens are secured by joint and several pledges of the net revenues of both the Water and Wastewater System and Electric Utility System. While the remaining series of Prior Subordinate Lien Obligations remain outstanding, the City must comply with the covenants and security provisions relating to such Prior Subordinate Lien Obligations. **The Master Ordinance provides that no additional revenue obligations payable from the same sources and secured in the same manner as the Prior First Lien Obligations and Prior Subordinate Lien Obligations shall be issued.** Commercial Paper Obligations currently authorized, having a combined pledge of Net Revenues of the Combined Utility Systems, may continue to be issued on a subordinate lien basis to the Parity Water/Wastewater Utility Obligations.

## Operating Summary of the Water and Wastewater System

	<u>12 Months Ended 6-30-2021(3)</u>	<u>Fiscal Year Ended September 30</u>			
		<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>
Gross Revenues	\$569,832	\$571,100	\$560,168	\$581,324	\$601,928
Maintenance and Operating Expenses	277,310	266,060	261,004	250,223	233,592
Net Revenues	<u>292,522</u>	<u>305,040</u>	<u>299,164</u>	<u>331,101</u>	<u>368,336</u>
Principal and Interest paid by the Water and Wastewater System on Revenue Bonds of the Combined Utility Systems (Prior First Lien Obligations and Prior Subordinate Lien Revenue Obligations (1))	\$3,856	\$10,038	\$37,392	\$67,829	\$47,648
Net Revenues Available for Parity Water/Wastewater Obligations (2)	<u>\$288,666</u>	<u>\$295,002</u>	<u>\$261,772</u>	<u>\$263,272</u>	<u>\$320,688</u>
Principal and Interest on Parity Water/Wastewater Obligations	\$167,825	\$150,477	\$126,203	\$142,455	\$179,734
Debt Service Coverage Parity Water/Wastewater Obligations (2)	1.72x	1.96x	2.07x	1.85x	1.78x

- (1) Represents the Water and Wastewater System's portion of the Prior First Lien Obligations (which were fully paid and discharged on May 15, 2019), and Prior Subordinate Lien Obligations, which are obligations secured by a pledge of the Net Revenues of the Combined Utility Systems.
- (2) The Bonds, the Previously Issued Parity Water/Wastewater Obligations, and any additional Parity Water/Wastewater Obligations issued in the future under the Master Ordinance are (a) "Separate Lien Obligations" under the Prior Subordinate Lien Ordinance (as defined in this document) and (b) equally and ratably secured, together with the Prior Subordinate Lien Obligations, by the Net Revenues of the City's Water and Wastewater System.
- (3) Preliminary. See "PROFORMA DEBT SERVICE REQUIREMENTS OF THE COMBINED UTILITY SYSTEMS" and "OTHER RELEVANT INFORMATION – Independent Auditors" in this document.

*[The remainder of this page is intentionally left blank.]*

For purposes of compliance with Rule 15c2-12 of the United States Securities and Exchange Commission (the “Rule”), this document constitutes an Official Statement of the City with respect to the Bonds (as defined below) that has been “deemed final” by the City as of its date except for the omission of no more than the information permitted by the Rule.

THE COVER PAGE CONTAINS CERTAIN INFORMATION FOR GENERAL REFERENCE ONLY AND IS NOT INTENDED AS A SUMMARY OF THIS OFFERING. INVESTORS SHOULD READ THE ENTIRE OFFICIAL STATEMENT, INCLUDING ALL SCHEDULES AND APPENDICES ATTACHED TO THIS OFFICIAL STATEMENT, TO OBTAIN INFORMATION ESSENTIAL TO MAKING AN INFORMED INVESTMENT DECISION.

No dealer, broker, salesman or any other person has been authorized by the City or by the underwriters (the “Underwriters”) to give any information or to make any representations, other than the information and representations contained in this document, in connection with the offering of the Bonds, and, if given or made, such information or representations must not be relied upon as having been authorized by the City or the Underwriters. This Official Statement does not constitute an offer to sell or the solicitation of an offer to buy, and there shall not be any sale of, any of the Bonds by any person in any jurisdiction in which it is unlawful for such person to make such offer, solicitation or sale.

The information and expressions of opinion contained in this document are subject to change without notice and neither the delivery of this Official Statement nor any sale made that references this document shall, under any circumstances, create any implication that there has been no change in the affairs of the City since the date of this document. The delivery of this Official Statement at any time does not imply that the information in this document is correct as to any time subsequent to its date. See “CONTINUING DISCLOSURE OF INFORMATION” in this document for a description of the City’s undertaking to provide certain information on a continuing basis.

THE BONDS ARE EXEMPT FROM REGISTRATION WITH THE UNITED STATES SECURITIES AND EXCHANGE COMMISSION (“SEC”) AND CONSEQUENTLY HAVE NOT BEEN REGISTERED WITH THE SEC. THE REGISTRATION, QUALIFICATION, OR EXEMPTION OF THE BONDS IN ACCORDANCE WITH APPLICABLE SECURITIES LAW PROVISIONS OF THE JURISDICTION IN WHICH THE BONDS HAVE BEEN REGISTERED, QUALIFIED OR EXEMPTED FROM REGISTRATION SHOULD NOT BE REGARDED AS A RECOMMENDATION FOR THE PURCHASE OF THE BONDS.

CUSIP numbers have been assigned to this issue by CUSIP Global Services, and neither the City, PFM Financial Advisors LLC, nor the Underwriters are responsible for the selection or correctness of CUSIP numbers.

The City, PFM Financial Advisors LLC., and the Underwriters do not make any representation regarding the information contained in this Official Statement regarding DTC or its book-entry-only system, as such information has been furnished by DTC. Neither the City nor PFM Financial Advisors LLC make any representations regarding the information concerning the Underwriters contained in this document in “OTHER RELEVANT INFORMATION – Underwriting.”

This Official Statement contains “forward-looking” statements within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended. Such statements may involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance and achievements to be different from the future results, performance and achievements expressed or implied by such forward-looking statements. **Investors are cautioned that the actual results could differ materially from those set forth in the forward-looking statements.** See “OTHER RELEVANT INFORMATION – Forward-Looking Statements” in this document.

The Underwriters have provided the following sentence for inclusion in this Official Statement: The Underwriters have reviewed the information in this Official Statement in accordance with and as part of their responsibilities to investors under the federal securities laws as applied to the facts and circumstances of this transaction, but the Underwriters do not guarantee the accuracy or completeness of such information.

IN CONNECTION WITH THIS OFFERING, THE UNDERWRITERS MAY OVER-ALLOT OR EFFECT TRANSACTIONS WHICH STABILIZE OR MAINTAIN THE MARKET PRICE OF THE BONDS AT A LEVEL ABOVE THAT WHICH MIGHT OTHERWISE PREVAIL IN THE OPEN MARKET. SUCH STABILIZING, IF COMMENCED, MAY BE DISCONTINUED AT ANY TIME.

NEITHER THE SEC NOR ANY STATE SECURITIES COMMISSION HAS APPROVED OR DISAPPROVED OF THE BONDS OR PASSED UPON THE ADEQUACY OR ACCURACY OF THIS DOCUMENT. ANY REPRESENTATION TO THE CONTRARY IS A CRIMINAL OFFENSE.

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## OFFICIAL STATEMENT

Relating to

**\$215,440,000\***

### **CITY OF AUSTIN, TEXAS**

#### **Water and Wastewater System Revenue Refunding Bonds, Series 2021**

### INTRODUCTION

This Official Statement, which includes the cover page and the appendices, is being furnished in connection with the proposed issuance by the City of Austin, Texas (the “City”), of its \$215,440,000\* City of Austin, Texas Water and Wastewater System Revenue Refunding Bonds, Series 2021 (the “Bonds”). The Bonds are authorized to be issued pursuant to the authority conferred by the laws of the State of Texas (the “State”), an ordinance adopted by the City Council of the City on June 8, 2000 (the “Master Ordinance”) providing the terms upon which Parity Water/Wastewater Obligations (as defined in the Master Ordinance) are to be issued and the covenants and security provisions related thereto, and a supplemental ordinance adopted by the City Council of the City on October 14, 2021 (the “Thirty-Eighth Supplement”). The Master Ordinance and the Thirty-Eighth Supplement are collectively referred to in this document as the “Bond Ordinance.” The Thirty-Eighth Supplement delegated to a designated “Pricing Officer” the authority to effect the sale of the Bonds, subject to the terms of the Thirty-Eighth Supplement. **Capitalized terms not otherwise defined in this document have the meanings assigned in the Bond Ordinance or the Prior Subordinate Lien Ordinance (defined in this document), as applicable (see APPENDICES C and D in this document).**

The City is not permitted to issue any additional Prior Subordinate Lien Obligations, but must comply with the covenants contained in the bond ordinances authorizing the issuance of such obligations (the “Prior Subordinate Lien Ordinance”) while such obligations are outstanding. The outstanding Prior Subordinate Lien Obligations have a final state maturity date of May 15, 2025. A copy of the Master Ordinance is attached to this document as APPENDIX C, and a summary of certain provisions of the Prior Subordinate Lien Ordinance is attached to this document as APPENDIX D. All descriptions of documents contained in this document are only summaries and are qualified in their entirety by reference to each such document.

References to website addresses presented in this document are for informational purposes only and may be in the form of a hyperlink solely for the reader’s convenience. Unless otherwise specified in this document, references to websites and the information or links contained in this document are not incorporated into, and are not part of, this document.

The City has issued, and there currently remain outstanding, one series of Prior Subordinate Lien Obligations and Commercial Paper Obligations secured by a joint and several pledge of the net revenues of the City’s Water and Wastewater System and the Electric Utility System. Pursuant to the Master Ordinance, no additional Prior Subordinate Lien Obligations may be issued. There are no Prior First Lien Obligations outstanding and no additional Prior First Lien Obligations may be issued. Commercial Paper Obligations having a combined pledge of Water and Wastewater System and Electric Utility System net revenues may continue to be issued on a subordinate lien basis to the Parity Water/Wastewater Obligations. As noted under “DEBT PAYABLE FROM COMBINED UTILITY SYSTEMS REVENUES” in this document, \$67,700,000 of Prior Subordinate Lien Obligations (with maturities extending through May 15, 2025) are outstanding as of the date of this document and no assurances can be given as to when or if such obligations will be defeased or paid prior to their stated maturity. See “DEBT PAYABLE FROM COMBINED UTILITY SYSTEMS REVENUES” in this document.

The Bonds, the Previously Issued Parity Water/Wastewater Obligations and any additional Parity Water/Wastewater Obligations issued in the future under the Master Ordinance are equally and ratably secured, together with the Prior Subordinate Lien Obligations, by the Net Revenues of the City’s Water and Wastewater System. See “SECURITY FOR THE BONDS – Pledges of Net Revenues” in this document.

At such time as the Prior Subordinate Lien Obligations have been fully paid or discharged in a manner that such obligations are no longer deemed to be outstanding under the terms of the ordinance authorizing their issuance and by law, all revenue obligations secured by a pledge of Net Revenues of the Water and Wastewater System either shall be Parity

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\* Preliminary, subject to change.

Water/Wastewater Obligations or obligations subordinate to the Parity Water/Wastewater Obligations (such as the Commercial Paper Obligations) and shall be payable only from and secured only by a lien on a pledge of the Net Revenues of the Water and Wastewater System and the revenues deposited to the credit of the accounts and funds maintained in the ordinances providing for their issuance. The Master Ordinance governs the issuance of Parity Water/Wastewater Obligations and contains covenants and security provisions related thereto. The City must comply with the Prior Subordinate Lien Ordinance while the Prior Subordinate Lien Obligations remain outstanding. No assurances can be given as to when or if such obligations will be defeased or paid prior to their stated maturities so as to allow the Parity Water/Wastewater Obligations (including the Bonds) to be secured by and payable from an effective first lien on the Net Revenues of the Water and Wastewater System. See “SECURITY FOR THE BONDS – Credit Agreement – 2008 Variable Rate Bonds” in this document for a discussion of the treatment of the City’s obligations under an interest rate swap agreement as a Parity Water/Wastewater Obligation.

The City has also issued revenue obligations secured solely by the net revenues of the Electric Utility System pursuant to a master ordinance, the terms and provisions of which differ substantially from those of the Master Ordinance.

### **COVID-19 PANDEMIC**

In March 2020, the World Health Organization and the President of the United States separately declared the outbreak of a respiratory disease caused by a novel coronavirus (“COVID-19”) to be a public health emergency. On March 13, 2020, the Governor of Texas (the “Governor”) declared a state of disaster for all counties in the State of Texas (the “State”) because of the effects of COVID-19. Subsequently, in response to a rise in COVID-19 infections in the State and pursuant to Chapter 418 of the Texas Government Code, the Governor issued a number of executive orders intended to help limit the spread of COVID-19 and mitigate injury and the loss of life, including limitations imposed on business operations, social gatherings and other activities.

Over the ensuing year, COVID-19 negatively affected commerce, travel and businesses locally and globally, and negatively affected economic growth worldwide and within the U.S., the State and the City. Following the widespread release and distribution of various COVID-19 vaccines beginning in December 2020 and a decrease in active COVID-19 cases generally in the United States, state governments (including Texas) have started to lift business and social limitations associated with COVID-19. Beginning in March 2021, the Governor issued various executive orders, which, among other things, rescinded and superseded prior executive orders and provide that there are currently no COVID-19 related operating limits for any business or other establishment except possibly in counties with an “area with high hospitalizations,” where a county judge may impose COVID-19 related mitigation strategies. None of Travis, Williamson and Hays Counties is currently an “area with high hospitalizations.” The Governor retains the right to impose additional restrictions on activities if needed in order to mitigate the effects of COVID-19. Additional information regarding executive orders issued by the Governor is accessible on the website of the Governor at <https://gov.texas.gov/>. Neither the information on, nor accessed through, such website of the Governor is incorporated by reference into this document.

With the easing or removal of governmental restrictions, economic activity has increased. However, there are no assurances that economic activity will continue or increase at the same rate, especially if there are future outbreaks of COVID-19. The COVID-19 pandemic may result in lasting changes in some businesses and social practices, which could affect business activity and City revenues and expenses, including revenues collected and paid from ad valorem taxes. The City cannot predict the long-term economic effect of COVID-19 or the effect of any future outbreak of COVID-19 or a similar virus on the City’s operations or financial condition.

### **Financial Impact of the COVID-19 Pandemic on Austin Water**

Austin Water has maintained a strong financial condition during the COVID-19 pandemic. On August 12, 2021, the City Council approved the FY 2021-2022 budget which includes an increase in service revenues of \$18 million over the FY 2020-2021 approved amended budget, with such revenue increase attributable to customer growth. The Water and Wastewater service revenue budget is \$555.8 million for the fiscal year ending September 30, 2021 (FY 20-2021). As described further below, Austin Water instituted temporary rate reductions and provided other forms of financial assistance in fiscal year 2021 and in fiscal year 2022 to assist ratepayers affected by the COVID-19 pandemic. Even with these temporary rate reductions, Austin Water currently projects that it will continue to maintain reserves and a debt service coverage ratio that is consistent with its financial policies, which, as recently amended, requires 180 days cash on hand and 1.75x debt service coverage, respectively.

In response to the economic impact of COVID- 19, the City Council of the City approved rate reductions for certain customer classes, which took effect April 9, 2020: a 10% rate reduction of tiers 1, 2 and 3 for water volume rates and tiers 1 and 2 for wastewater volume rates. The rate reductions applied to customer rates in the residential Customer Assistance Program (CAP) – a program that provides for lower rates for residents on low or fixed incomes – and customer rates for residential Non-CAP rates. These temporary rates were effective through October 31, 2020, after which the non-CAP rates returned to the normal rate schedule (as adopted by the City on November 1, 2019) while the 10% rate reduction for CAP Customers was extended through the remainder of FY 2020-2021 and will continue through FY 2021-2022 (September 30, 2022)

Austin Water provided an additional \$5 million contribution to the Emergency Financial Assistance Plus 1 program in FY 2019-2020 and FY 2020-2021 for a combined \$10 million. Other methods for assistance included additional measures to halt disconnects for non-payment, waived late fees and payment arrangements for customers in need.

In April 2021, Austin Water implemented a Multifamily CAP program for low-income customers who do not have a dedicated water meter, but nevertheless, receive water and wastewater service from Austin Water. This program provides a \$17 monthly credit on their Austin Energy utility bill, shown as Austin Water Multi-Family CAP Program Discount. The Multifamily CAP program offers a safety net to thousands of vulnerable customers who have traditionally been ineligible for Austin Water financial assistance through the residential Customer Assistance Program because they are not directly billed for water and wastewater service.

The CAP offers some of the most affordable water and wastewater rates in the nation. Improving affordability is a component of the utility's long-term strategic business plan that uses Effective Utility Management strategies to meet the challenges ahead. Austin Water continues to find savings through cost containment, debt management and innovations in technology and processes. Cost savings are then passed along to customers through lower rates, rebates, and financial assistance for customers.

## **TEXAS 2021 WINTER WEATHER EVENT**

### **General**

From February 14, 2021 through February 19, 2021, much of the continental United States, including Texas, experienced a severe winter storm resulting from the southern migration of a polar vortex that meteorologists characterize as the most significant in terms of scope and duration since monitoring of these weather phenomena began in the 1950s (such winter storm, the “2021 Weather Event”). As a result of the 2021 Weather Event, Texas experienced statewide, record breaking cold weather. Temperatures in Austin remained below freezing for 162 consecutive hours, with a low temperature of 7 degrees recorded on February 16, 2021. As the 2021 Weather Event covered the State, the Electric Reliability Council of Texas (“ERCOT”) implemented what were initially expected to be rolling blackouts to conserve electricity and address energy needs across the entirety of the State; however, due to the severity of 2021 Weather Event and the corresponding increase in demand on the Texas electric grid, combined with limited availability of generation, widespread and prolonged power outages began at 1:00 a.m., Central time, on Monday, February 15, 2021, and continued throughout the week. Ultimately, approximately 4,000,000 Texas residents were without power for significant stretches of the week.

### **Impact of 2021 Weather Event on Austin Water**

The Weather Event had...[add discussion of operational and financial impact to Austin Water]

## **Impact of 2021 Weather Event on Austin Energy**

Austin Energy generation assets largely stayed online during the 2021 Weather Event. Combined with ERCOT-mandated load sheds, this resulted in Austin Energy generation output exceeding its customer's usage. Austin Energy was able to more than fully offset the unprecedentedly high gas prices and costs to serve its customers with corresponding revenues from the generation fleet. Austin Energy is in a net positive financial position from the effects of the 2021 Weather Event. Austin Energy calculates that over the course of the 2021 Weather Event, it accumulated net revenue of positive \$101 million.

### **Legislative Response**

On June 8, 2021, the Governor signed Senate Bill 3 ("SB 3") to address the issues that arose during the 2021 Weather Event. SB3 law requires weather emergency preparedness and the identification of critical facilities in the natural gas supply chain and electric utilities.

SB3 also creates Section 13.1394 of the Texas Water Code ("Section 13.1394") that requires a water utility to ensure the emergency operation of its water system during a power outage that lasts longer than 24 hours at a minimum pressure of 20 pounds per square inch, or at a water pressure level approved by the Texas Commission on Environmental Quality (the "TCEQ"), as soon as safe and practicable following the occurrence of a natural disaster. Section 13.1394 also requires that a water utility adopt and submit an emergency preparedness plan to the TCEQ for its approval that include a timeline for implementing the plan. The submitted plan must provide for one, or a combination, of fourteen options and approaches to provide services as required by Section 13.1394. The options provided include, but are not limited to backup or on-site power generation; designation of the water system as a critical load facility or redundant, isolated or dedicated electrical feeds the ability to provide water through artesian flows; redundant interconnectivity between pressure zones; and any other alternative determined by the TCEQ to be acceptable.

Water utilities are required to submit their emergency preparedness plan to the TCEQ by March 1, 2022. Implementation of emergency plans must begin by the later of July 1, 2022, or upon final approval by the TCEQ. A utility may submit a written request for an extension not to exceed 90 days. Austin Water has already begun assessing its response to ensure timely compliance with State law.

SB 3 also created Section 13.151 of the Texas Water Code ("Section 13.151") which addresses billing for services provided during an extreme weather emergency. Section 13.151 defines an "extreme weather emergency" as a period when the previous day's highest temperature did not exceed 28 degrees Fahrenheit, and the temperature is predicted to remain at or below that level for the next 24 hours according to the nearest National Weather Service reports. In these circumstances a retail public utility that operates under a certificate of public convenience and necessity is prohibited from imposing late fees or disconnecting service for nonpayment of bills that are due during an extreme weather emergency until after the emergency is over and is required to work with customers that request to establish a payment schedule for unpaid bills that are due during the extreme weather emergency. A violation of Section 13.151 is subject to a civil penalty of not less than \$100 nor more than \$50,000 for each violation.

## **PLAN OF FINANCING**

### **Refunding of Outstanding Bonds and Commercial Paper Notes**

The Bonds are being issued in part to refund \$105,000,000 in aggregate principal amount of the City's outstanding tax-exempt commercial paper notes issued for the Water and Wastewater System (the "Refunded Notes"). The issuance of the Bonds will restore a portion of the City's available capacity under its \$400,000,000 tax-exempt commercial paper note program that has been established for the Combined Utility Systems (as described further in "COMMERCIAL PAPER NOTE PROGRAMS" in this document). Any interest on the Refunded Notes is expected to be paid from available revenues of the Water and Wastewater System. Proceeds from the Bonds, in an amount equal to the principal amount of the Refunded Notes, will be deposited with U.S. Bank, National Association, New York, New York, as issuing and paying agent for the Refunded Notes.

Additionally, the Bonds are proposed to be issued in part to refund the City's currently outstanding Parity Water/Wastewater Obligations described in "APPENDIX F – SUMMARY OF REFUNDED BONDS" in this document

(the “Refunded Bonds”) for debt service savings. The remaining proceeds of the Bonds will be used to pay the costs of issuance of the Bonds. See “SOURCES AND USES OF FUNDS” in this document.

### **Refunded Notes**

Proceeds from the sale of the Bonds, together with other available funds of the City, will be deposited with U.S. Bank National Association, in its capacity as the issuing and paying agent for the Refunded Notes (the “CP Issuing and Paying Agent”), in the amount necessary to accomplish the discharge, defeasance and final payment of the Refunded Notes in accordance with the terms of the respective ordinances authorizing the issuance thereof. The principal of and interest on all of the Refunded Notes will be paid on the date of delivery of the Bonds, which is the scheduled maturity date of the Refunded Notes, from amounts deposited with the CP Issuing and Paying Agent.

### **Refunded Bonds**

The Refunded Bonds, and interest due on the Refunded Bonds, are to be paid on their scheduled interest payment dates and the maturity or redemption dates of such Refunded Bonds from funds to be deposited pursuant to that certain Escrow Agreement (the “Escrow Agreement”) between the City and U.S. Bank National Association (the “Escrow Agent”). The Thirty-Eighth Supplement provides that a portion of the proceeds of the sale of the Bonds, together with other lawfully available funds of the City, will be deposited with the Escrow Agent in an amount necessary to accomplish the discharge and final payment of the Refunded Bonds. Such funds will be held by the Escrow Agent in a special escrow account (the “Escrow Fund”) and used to purchase a portfolio of securities authorized by Section 1207.062, Texas Government Code, which authorizes securities, including direct noncallable obligations of the United States, including obligations that are unconditionally guaranteed by the United States, and noncallable obligations of an agency or instrumentality of the United States rated as to investment quality by a nationally recognized investment rating firm not less than “AAA” or its equivalent (the “Escrowed Securities”) to be held in the Escrow Fund. Under the Escrow Agreement, the Escrow Fund is irrevocably pledged to the payment of the principal of and interest on the Refunded Bonds.

\_\_\_\_\_ (the “Verification Agent”), a nationally recognized accounting firm, will verify at the time of delivery of the Bonds the mathematical accuracy of the schedules that demonstrate that the Escrowed Securities will mature and pay interest in such amounts which, together with uninvested funds, if any, in the Escrow Fund, will be sufficient to pay, when due, the principal of and interest on the Refunded Bonds. Such maturing principal of and interest on the Escrowed Securities, and other uninvested funds in the Escrow Fund will not be available to pay the debt service on the Bonds. See “OTHER RELEVANT INFORMATION – Verification of Arithmetical and Mathematical Calculations” in this document.

By the deposit of the Escrowed Securities and cash with the Escrow Agent pursuant to the Escrow Agreement, the City will have entered into firm banking and financial arrangements for the discharge and final payment of the Refunded Bonds, in accordance with applicable law. As a result of such firm banking and financial arrangements, the Refunded Bonds will be outstanding only for the purpose of receiving payments from the Escrowed Securities and cash held for such purpose by the Escrow Agent, and the Refunded Bonds will not be deemed outstanding for the purpose of any limitation on debt or the pledge of Net Revenues.

## SOURCES AND USES OF FUNDS

The sources and uses of funds for the Bonds, together with funds contributed by the City, are as follows.

### The Bonds

#### **Sources of Funds:**

Par Amount of the Bonds  
Original Issue Premium  
City Contribution from Refunded Bonds Debt Service Account  
City Contribution from Debt Service Reserve Fund  
City Contribution to Refund Commercial Paper Notes

#### **Total**

#### **Uses of Funds:**

Refunding of Commercial Paper Notes  
Deposit to Escrow Fund and Refunding of Bonds  
Costs of Issuance (1)  
Underwriter's Discount

#### **Total**

- (1) Costs of Issuance includes the fees of bond counsel, disclosure counsel, financial advisor, rating agencies, the Paying Agent/Registrar, escrow and verification agents and certain other bond issuance costs.

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## DEBT PAYABLE FROM COMBINED UTILITY SYSTEMS REVENUES

(Anticipated as of November 18, 2021)

<u>Combined Utility Systems Obligations (a)</u>	
Prior Subordinate Lien Obligations	<u>\$67,700,000</u>
<u>Parity Electric Utility Obligations (b)</u>	\$1,776,850,000
<u>Parity Water/Wastewater Obligations (c)</u>	\$2,251,690,000
<u>Commercial Paper and Direct Purchase Notes (d)</u>	--
<u>General Obligation Bonds (e)</u>	\$2,941,927
<u>Assumed Municipal Utility District Obligations (f)</u>	\$3,418,668
TOTAL	<u>\$4,102,600,595</u>

See "SECURITY FOR THE BONDS" in this document.

- (a) Prior First Lien Obligations issued by the City were fully paid and discharged on May 15, 2019.
- (b) Preliminary, subject to change. The Parity Electric Utility Obligations are payable from the net revenues of the Electric Utility System only. Outstanding Parity Electric Utility Obligations excludes \$73,505,000 of principal to be paid on November 15, 2021.
- (c) Includes the Bonds and excludes the Refunded Bonds. Includes the City's expected November 17, 2021 issuance of three separate but concurrent issuances of additional Parity Water/Wastewater Separate Lien Obligations to be purchased by the Texas Water Development Board in the aggregate amount of \$71,100,000 (see "COMBINED WATER AND WASTEWATER SYSTEM INFORMATION - Future Capital Improvements for Water and Wastewater System" in this document). Outstanding Parity Water/Wastewater Obligations excludes \$40,635,000 of principal to be paid on November 15, 2021.
- (d) Excludes the amounts being refunded by the Bonds. See "COMMERCIAL PAPER NOTE PROGRAMS" and "SECURITY FOR THE BONDS" in this document.
- (e) General Obligation Bonds include certain Contractual Obligations and Public Improvement Bonds of the City that are secured by City ad valorem taxes but are currently being paid from surplus Net Revenues of the Electric Utility System and Water and Wastewater System. See "THE CITY – Recent Annexations."
- (f) Such bonds are secured by City ad valorem taxes but are currently being paid from surplus Net Revenues of the Water and Wastewater System. See "COMBINED WATER AND WASTEWATER SYSTEM INFORMATION – Services Financed by Utility Districts."

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# PRO FORMA DEBT SERVICE REQUIREMENTS OF THE COMBINED UTILITY SYSTEMS

## CITY OF AUSTIN, TEXAS Combined Utility System Obligations

Fiscal Year Ending 9/30	Prior Subordinate Lien Obligations (a) (b)	Existing Separate Lien Water & Wastewater Obligations (a) (c)	Separate Lien Water & Wastewater Obligations (a) (c)						Electric Utility System Parity Obligations (a) (d)	Assumed MUD Obligations (a) (c)	Total Debt Service Payable from Revenues of the Combined Utility Systems
			The Series 2021C, 2021D and 2021E Bonds (a)(c)				Total Separate Lien Water & Wastewater Obligations (c)				
			The Series 2021 Bonds (a)		2021E Bonds (a)(c)						
			Principal	Interest	Principal	Interest					
2022	\$ 20,964,250	\$ 150,909,636	\$ -	\$ 5,296,233		\$ 486,305	\$ 156,692,174	\$ 150,476,151	\$ 663,681	\$ 328,796,256	
2023	19,950,225	173,466,102	-	10,772,000	2,255,000	972,548	187,465,650	141,914,553	666,568	349,996,997	
2024	19,666,450	189,016,255	-	10,772,000	2,280,000	950,288	203,018,543	147,375,324	664,896	370,725,213	
2025	15,834,863	183,910,017	4,590,000	10,657,250	2,300,000	927,346	202,384,613	151,228,124	668,673	370,116,272	
2026	-	171,712,272	16,490,000	10,130,250	2,325,000	903,432	201,560,954	153,765,252	604,005	355,930,211	
2027	-	165,987,944	22,360,000	9,159,000	2,345,000	878,321	200,730,265	165,718,653	-	366,448,918	
2028	-	190,401,984	5,875,000	8,453,125	2,375,000	851,999	207,957,108	161,874,357	-	369,831,465	
2029	-	173,942,405	6,175,000	8,151,875	2,400,000	824,523	191,493,802	155,138,454	-	346,632,257	
2030	-	169,800,816	6,490,000	7,835,250	2,430,000	795,907	187,351,972	141,641,601	-	328,993,573	
2031	-	131,650,193	6,825,000	7,502,375	2,465,000	766,090	149,208,657	141,466,710	-	290,675,367	
2032	-	117,292,987	7,170,000	7,152,500	2,495,000	735,258	134,845,745	132,953,456	-	267,799,200	
2033	-	117,321,243	7,545,000	6,784,625	2,525,000	702,750	134,878,618	93,636,445	-	228,515,063	
2034	-	117,271,915	7,935,000	6,397,625	2,560,000	667,812	134,832,352	90,200,377	-	225,032,729	
2035	-	117,085,118	8,335,000	5,990,875	2,595,000	630,675	134,636,668	90,042,064	-	224,678,732	
2036	-	116,393,305	8,765,000	5,563,375	2,635,000	591,904	133,948,583	90,021,695	-	223,970,278	
2037	-	114,307,604	9,210,000	5,114,000	2,680,000	551,759	131,863,363	89,787,337	-	221,650,700	
2038	-	102,288,091	9,685,000	4,641,625	2,720,000	510,125	119,844,841	89,650,762	-	209,495,603	
2039	-	92,216,466	10,180,000	4,145,000	2,760,000	467,107	109,768,573	88,415,444	-	198,184,017	
2040	-	91,776,352	10,715,000	3,622,625	2,805,000	422,742	109,341,719	64,632,865	-	173,974,584	
2041	-	79,327,613	11,255,000	3,073,375	2,850,000	377,009	96,882,997	64,493,755	-	161,376,752	
2042	-	68,198,871	11,830,000	2,496,250	2,895,000	329,930	85,750,051	64,319,830	-	150,069,880	
2043	-	67,110,638	3,480,000	2,113,500	1,905,000	291,788	74,900,926	61,704,919	-	136,605,844	
2044	-	55,405,878	3,655,000	1,935,125	1,935,000	262,988	63,193,991	62,792,933	-	125,986,924	
2045	-	31,144,482	3,845,000	1,747,625	1,965,000	233,738	38,935,844	62,412,945	-	101,348,789	
2046	-	31,132,082	4,040,000	1,550,500	1,990,000	204,075	38,916,657	62,489,239	-	101,405,895	
2047	-	19,618,904	4,250,000	1,343,250	2,025,000	173,963	27,411,117	33,372,937	-	60,784,054	
2048	-	12,518,712	4,465,000	1,125,375	2,055,000	143,363	20,307,449	33,372,789	-	53,680,238	
2049	-	12,522,923	4,695,000	896,375	2,085,000	112,313	20,311,610	33,380,615	-	53,692,225	
2050	-	12,522,037	4,935,000	655,625	2,115,000	80,813	20,308,475	33,378,449	-	53,686,924	
2051	-	11,996,346	5,190,000	402,500	2,150,000	48,825	19,787,671	33,378,449	-	53,166,120	
2052	-	-	5,455,000	136,375	2,180,000	16,350	7,787,725	15,042,892	-	22,830,617	
Total	\$ 76,415,788	\$ 3,088,249,189	\$ 215,440,000	\$ 155,617,483	\$ 71,100,000	\$ 15,912,038	\$ 3,546,318,711	\$ 2,900,079,376	\$ 3,267,822	\$ 6,526,081,697	

- (a) Preliminary, subject to change. Existing debt service shown excludes debt service on the Refunded Bonds.
- (b) Prior Subordinate Lien Obligations are payable from Net Revenues of the Combined Utility Systems. Approximately 25.8% of debt service for the Prior Subordinate Lien Obligations is paid from revenues of Austin Water and 74.2% is paid from revenues of Austin Energy.
- (c) Separate Lien Water and Wastewater Obligations are secured by and payable solely from Net Revenues of the Water and Wastewater System. Includes debt service on the City's planned November 17, 2021 issuance of an aggregate \$71.1 million of additional Parity Water/Wastewater System Obligations to be purchased by the Texas Water Development Board (see "COMBINED WATER AND WASTEWATER SYSTEM INFORMATION - Future Capital Improvements for Water and Wastewater System" in this document).
- (d) Parity Electric Utility Obligations are secured by and payable from Net Revenues of the Electric Utility System.
- (e) Assumed municipal utility district ("MUD") obligations are secured by City ad valorem taxes but are currently being paid from surplus Net Revenues of the Water and Wastewater System.

## SECURITY FOR THE BONDS

### Pledges of Net Revenues

Prior Subordinate Lien Obligations . . . The Net Revenues of the Combined Utility Systems have been pledged, jointly and severally, on a first lien basis to the payment and security of the Prior Subordinate Lien Obligations. In the ordinances authorizing the issuance of the Prior Subordinate Lien Obligations, the City retained the right to issue “Separate Lien Obligations,” which are defined as obligations payable solely from the Net Revenues of either the Electric Utility System or the Water and Wastewater System, but not both, and such payments for their retirement by the terms of the ordinance authorizing their issuance are secured solely by a lien on and pledge of the Net Revenues of the Electric Utility System or the Net Revenues of the Water and Wastewater System, but not both. The pledge of the Net Revenues of the Electric Utility System and the pledge of the Net Revenues of the Water and Wastewater System to the related Separate Lien Obligations are of equal dignity with the lien on and pledge of these Net Revenues of the Combined Utility Systems securing the payment of the Prior Subordinate Lien Obligations.

As of the date of this document, there is \$67,600,000 in aggregate principal amount of Prior Subordinate Lien Obligations outstanding, with the final maturity of the outstanding Prior Subordinate Lien Obligations occurring on May 15, 2025. There are no Prior First Lien Obligations outstanding and no additional Prior First Lien Obligations can be issued by the City.

Parity Water/Wastewater Obligations . . . The Bonds are to be issued as Parity Water/Wastewater Obligations for the benefit of the City’s Water and Wastewater System. The encumbrances treated as Parity Water/Wastewater Obligations include the obligations incurred by the City under a credit agreement executed in support of bonds issued as Parity Water/Wastewater Obligations. See “SECURITY FOR THE BONDS - Credit Agreement – 2008 Variable Rate Bonds” in this document. The Master Ordinance and the Thirty-Eighth Supplement pledge the Net Revenues of the Water and Wastewater System to the payment of the “Parity Water/Wastewater Obligations” (which consist of the Previously Issued Parity Water/Wastewater Obligations, the Bonds, and additional parity obligations issued and to be issued under the Master Ordinance). The Parity Water/Wastewater Obligations, together with the Prior Subordinate Lien Obligations, are equally and ratably secured by a parity lien on and pledge of the Net Revenues of the Water and Wastewater System.

Additionally, the Bonds and Previously Issued Parity Water/Wastewater Obligations are, and future Parity Water/Wastewater Obligations may be, equally and ratably secured by a parity lien on the funds, if any, deposited to the credit of the Debt Service Fund and, if applicable, any special fund or funds created and maintained for the payment and security of the Parity Water/Wastewater Obligations pursuant to a Supplemental Ordinance (excluding any funds on deposit in the BAB Subsidy Subaccount, which was established for the exclusive benefit of the owners of the City’s Water and Wastewater System Revenue Refunding Bonds, Taxable Series 2010B (Direct Subsidy – Build America Bonds) (the “Taxable Series 2010B Bonds”) issued as Parity Water/Wastewater Obligations), and funds on deposit in any construction fund maintained and established with the proceeds of the sale of Parity Water/Wastewater Obligations pending expenditure in accordance with the terms of the Master Ordinance and any Supplemental Ordinance.

Pursuant to the terms of the Master Ordinance, any additional obligations payable from and secured by a lien on the Net Revenues of the Water and Wastewater System must satisfy the covenants with respect thereto in the Master Ordinance.

Federal Subsidy on Build America Bonds . . . Pursuant to the requirements of the Balanced Budget and Emergency Deficit Control Act, 2 U.S.C. 901a, as amended, certain automatic reductions took place as of March 1, 2013. The required reductions included a reduction to refundable credits under section 6341 of the Internal Revenue Code applicable to certain qualified bonds, including Build America Bonds. The sequester reduction applied to any section 6431 amounts claimed by an issuer on any Form 8038-CP filed with the U.S. Treasury that results in a payment to such issuer on or after March 1, 2013. Since October 1, 2013, direct pay bond subsidy payments processed from and after October 1, 2013 have been reduced by a sequestration rate that is determined at the beginning of each federal fiscal year, which is the 12-month period from October 1 to September 30. **The sequestration rate for federal fiscal year 2021 was 5.7% and is anticipated to be 5.7% for federal fiscal year 2022.** For future federal fiscal years, the sequestration rate will be set from time to time in the future, unless Congress takes additional action to change or eliminate the sequestration percentage. The Taxable Series 2010B Bonds are the only obligations of the City secured by the Net Revenues of the Water and Wastewater System that are payable in part from the federal subsidy payments to be received pursuant to the “Build America Bond” program. The change in the sequestration rate from 5.9% in federal fiscal year 2019 to 5.7% in federal fiscal year 2020 resulted in an increase in such interest subsidy payment for the Taxable Series 2010B Bonds to 33.005% from 32.935%. The City is not aware of any funding impacts from sequestration on the City’s Water and Wastewater

System other than the change in the federal subsidy payment received by the City for the interest due on the Taxable Series 2010B Bonds. The City makes no representation as to whether the federal subsidy payments will be restored to the levels prior to the reduction of the subsidy described in this section, or whether future reductions in the subsidy may occur at any time while the Taxable Series 2010B Bonds are outstanding.

#### **Rate Covenant Required By Prior Subordinate Lien Ordinance**

The City has agreed to establish rates and charges for the facilities and services of the Electric Utility System and the Water and Wastewater System to provide Gross Revenues in each Fiscal Year sufficient (i) to pay the Maintenance and Operating Expenses, (ii) to fund the reserves required for Prior Subordinate Lien Obligations and other obligations or evidences of indebtedness payable solely from and secured solely by a lien on and pledge of the combined Net Revenues of the Electric Utility System and the Water and Wastewater System, and (iii) to produce Net Revenues (after satisfaction of the amount required in (ii) above) equal to at least 1.10 times the total annual principal and interest requirements (or other similar payments) for the then outstanding Prior Subordinate Lien Obligations and all other indebtedness payable solely from and secured solely by a lien on and pledge of the Net Revenues of either the Electric Utility System or the Water and Wastewater System, or both.

#### **Rate Covenant Required by Master Ordinance**

In the Master Ordinance, the City has agreed to fix, establish, maintain and collect such rates, charges and fees for water and wastewater services furnished by the Water and Wastewater System and to the extent legally permissible, revise such rates, charges and fees to produce Gross Revenues in each Fiscal Year sufficient: (i) to pay all current Operating Expenses, (ii) to produce Net Revenues, after deducting amounts expended during the current Fiscal Year from the Water and Wastewater System's Net Revenues for the payment of debt service requirements of the Prior Subordinate Lien Obligations, equal to the greater of either (x) an amount to pay the actual annual debt service due and payable in such Fiscal Year of the then Outstanding Parity Water/Wastewater Obligations or (y) an amount, when added to Other Available Water and Wastewater System Revenues, that would pay 125% of Annual Debt Service Requirements due and payable in such Fiscal Year of the then Outstanding Parity Water/Wastewater Obligations, and (iii) to pay after deducting the amounts determined in (i) and (ii) above, all other financial obligations of the Water and Wastewater System reasonably anticipated to be paid from Gross Revenues.

If the Net Revenues in any Fiscal Year are less than the aggregate amount specified above, the City shall promptly upon receipt of the annual audit for such Fiscal Year cause such rates and charges to be revised and adjusted to comply with this covenant or obtain a written report from a Utility System Consultant after a review and study of the operations of the Water and Wastewater System has been made concluding that, in their opinion, the rates and charges then in effect for the current Fiscal Year are sufficient or adjustments and revisions need to be made to such rates and charges to comply with such rate covenant and such adjustments and revisions to water and wastewater rates and charges are promptly implemented and enacted in accordance with such Utility System Consultant's report. Notwithstanding anything in the Master Ordinance to the contrary, the City shall be deemed to be in compliance with such rate covenant in the Master Ordinance if either of the actions mentioned in the preceding sentence are undertaken and completed prior to the end of the Fiscal Year next following the Fiscal Year the deficiency in Net Revenues occurred.

#### **Bonds Not Secured by any Debt Service Reserve Fund**

The Master Ordinance creates and establishes the "Water/Wastewater System Revenue Obligation Reserve Fund" (the "Reserve Fund"). The City may fund the Reserve Fund with respect to a series of Parity Water/Wastewater Obligations in accordance with the terms of the Master Ordinance and the provisions of any Supplemental Ordinance. The City, in accordance with the provisions of any Supplemental Ordinance, may choose not to fund the Reserve Fund in connection with the issuance of Parity Water/Wastewater Obligations issued under the terms of such Supplemental Ordinance.

**Pursuant to the terms of the Thirty-Eighth Supplement, the City has determined not to fund the Reserve Fund in connection with the issuance of the Bonds, and therefore, the holders of the Bonds do not have any right to any moneys or any other Reserve Fund Obligations held in the Reserve Fund.**

The City has determined to fund the Reserve Fund in connection with the prior issuance of certain Parity Water/Wastewater Obligations. After giving effect to the refunding of the Refunded Bonds, the Reserve Fund will secure the Parity Water/Wastewater Obligations with the following series designations: Series 2008, Series 2010, Series 2010B (Direct Subsidy – Build America Bonds), any unrefunded maturities of Series 2011 and Series 2012.

Additionally, since 2016, certain Parity Water/Wastewater Obligations have been issued as direct placement bonds purchased by Texas Water Development Board (the "TWDB") and have been secured by separate and distinct reserve funds, pursuant to the lending requirements of the TWDB. Such reserve funds have been funded in amounts equal to average annual debt service on each series of bonds purchased by the TWDB and are not available for payment of, and do not in any manner secure the Bonds or obligations secured by the Reserve Fund established under the Master Ordinance. On November 17, 2021, the City anticipates closing on approximately \$71.1 million of three additional series of Parity Water/Wastewater Obligations to be purchased by the TWDB. These privately placed loans will also be secured by a separate reserve fund. See "DEBT PAYABLE FROM COMBINED UTILITY SYSTEMS REVENUES" and "COMBINED WATER AND WASTEWATER SYSTEM INFORMATION – Future Capital Improvements for Water and Wastewater System" in this document.

The Reserve Fund shall be maintained for the benefit of the owners of only the Parity Water/Wastewater Obligations secured by the Reserve Fund. There shall be deposited into the Reserve Fund any Reserve Fund Obligations so designated by the City. Reserve Fund Obligations in the Reserve Fund shall be used for the purpose of retiring the last of the related Parity Water/Wastewater Obligations secured by the Reserve Fund as they become due or paying principal of and interest on the applicable Parity Water/Wastewater Obligations when and to the extent the amounts in the Debt Service Fund are insufficient for such purpose.

The amount to be accumulated and maintained in the Reserve Fund is required to be an amount equal to 50% of the average Annual Debt Service Requirements of the Parity Water/Wastewater Obligations secured by the Reserve Fund (the "Required Reserve Amount"). After giving effect to the refunding of the Refunded Bonds, approximately \$\_\_\_\_\_ from the Reserve Fund established and in connection with and which secures the Refunded Bonds will be transferred by the City to defease and refund the Refunded Bonds (See "PLAN OF FINANCING – Refunded Bonds" in this document). The Required Reserve Amount after giving effect to the refunding of the Refunded Bonds is approximately \$\_\_\_\_\_ and will be funded with cash.

The City may, at its option, withdraw and transfer to the Debt Service Fund all surplus in the Reserve Fund over the Required Reserve Amount. The City may replace or substitute a Credit Facility for cash or Eligible Investments on deposit in the Reserve Fund or in substitution for or replacement of any existing Credit Facility. Upon such replacement or substitution, the cash or Eligible Investments on deposit in the Reserve Fund, taken together with the face amount of any existing Credit Facilities, in excess of the Required Reserve Amount may be withdrawn by the City, at its option, and transferred to the System Fund unless such excess was funded with the proceeds of sale of Parity Water/Wastewater Obligations in which case such excess shall be deposited to the credit of the Debt Service Fund; provided that the face amount of any Credit Facility may be reduced at the option of the City in lieu of such transfer.

If the City is required to make a withdrawal from the Reserve Fund, the City shall promptly notify the issuer of a Credit Facility of the necessity for a withdrawal from the Reserve Fund for any such purposes, and shall make such withdrawal FIRST from available moneys and cash resulting from the sale or liquidation of Eligible Investments then on deposit in the Reserve Fund, and NEXT from a drawing under any Credit Facility to the extent of such deficiency. In the event of a draw on a Credit Facility, the City shall reimburse the issuer of such Credit Facility for such draw, in accordance with the terms of any agreement pursuant to which the Credit Facility is issued, from Net Revenues; however, such reimbursement from Net Revenues shall be subject to the following paragraph and, dependent on the terms of the Credit Facility, may be subordinate and junior in right of payment to the payment of principal of and premium, if any, and interest on the Parity Water/Wastewater Obligations.

In the event of a deficiency in the Reserve Fund, or in the event that on the date of termination or expiration of any Credit Facility there is not on deposit in the Reserve Fund sufficient Reserve Fund Obligations, all in an aggregate amount at least equal to the Required Reserve Amount, then the City shall, subject to satisfying or making provision for the uses having a priority on the Gross Revenues before any deposits for the payment and security of the Parity Water/Wastewater Obligations and after making required deposits to the Debt Service Fund in accordance with the terms of the Master Ordinance and any Supplemental Ordinance, cause the aggregate Required Reserve Amount then required to be on deposit in the Reserve Fund to be fully restored within 12 months from the date such deficiency, termination or expiration occurred by (i) making substantially equal cash deposits to the Reserve Fund on or before the last day of each month from the available Net Revenues, (ii) depositing Eligible Investments or a Credit Facility to the credit of the Reserve Fund or (iii) a combination of (i) and (ii).

As Parity Water/Wastewater Obligations secured by the Reserve Fund are paid, redeemed or defeased and cease to be Outstanding under the terms of the Master Ordinance or a Supplemental Ordinance, the Required Reserve Amount may be recalculated and redetermined, and any Reserve Fund Obligations on deposit in the Reserve Fund in excess of the Required Reserve Amount may be withdrawn and transferred, at the option of the City, to (i) the System Fund, if an amount equal to such excess was funded with Net Revenues, or (ii) the Debt Service Fund.

### **Reserve Fund for Prior Subordinate Lien Bonds**

A separate reserve fund, which does not secure the Bonds, was established for the benefit of the Prior Subordinate Lien Obligations. In 2002, the City obtained the consent of the Holders of at least 51% of the principal amount and Maturity Amount of the outstanding Prior Subordinate Lien Obligations to amend the provisions of the Bond Ordinance relating to the Reserve Fund to allow for the funding of all or a part of the amount required to be maintained in the Reserve Fund (the "Required Reserve") with Financial Commitments (defined below) and change the Required Reserve to an amount equal to the average annual requirement (calculated on a calendar year basis) for the payment of principal of and interest (or other similar payments) on all outstanding Prior Subordinate Lien Obligations, as determined on (i) the date of the initial deposit of a Financial Commitment to the Reserve Fund or (ii) the date one or more rating agencies announces the rating of the insurance company or association providing the Financial Commitment for the Reserve Fund falls below the minimum requirement, whichever date is the last to occur. The term "Financial Commitments" means an irrevocable and unconditional policy of bond insurance or surety bond in full force and effect issued by an insurance company or association duly authorized to do business in the State of New York and the State of Texas and with financial strength rated in the highest rating category by Moody's Investors Service, Inc. ("Moody's"), S&P Global Ratings, a Standard & Poor's Financial Services LLC business ("S&P") and Fitch Ratings, Inc. ("Fitch") and, if rated, by A.M. Best on the date the Financial Commitment is deposited to the credit of the Reserve Fund.

As of September 30, 2021, the amount on deposit to the credit of the common Reserve Fund securing the Prior Subordinate Lien Obligations under the Master Ordinance is \$ [REDACTED] and is funded with cash. The City may at any time substitute one or more Financial Commitments for the cash and securities deposited to the credit of the Reserve Fund, and following such substitution, the cash and securities released from the Reserve Fund shall be deposited to the credit of one or more special accounts maintained on the books and records of the City and expended only to pay, discharge and defease Prior Subordinate Lien Obligations in a manner that reduces the principal amount and "Maturity Amount" (in the case of Prior Subordinate Lien Obligations issued as capital appreciation bonds, the principal and interest on which is payable upon maturity) of outstanding Prior Subordinate Lien Obligations.

### **Issuance of Additional Prior Subordinate Lien Bonds Precluded**

The Master Ordinance provides that no additional revenue obligations will be issued with a lien on the Net Revenues of both the Electric Utility System and the Water and Wastewater System on a parity with the Prior Subordinate Lien Obligations.

### **Issuance of Parity Water/Wastewater Obligations**

Under the Master Ordinance, the City reserves the right and power to issue or incur Parity Water/Wastewater Obligations for any purpose authorized by law. The City may issue, incur, or otherwise become liable in respect of any Parity Water/Wastewater Obligations if: (i) a Designated Financial Officer shall execute a certificate stating that, to his or her knowledge, the City is in compliance with all covenants contained in the Master Ordinance and any Supplemental Ordinance, is not in default in the performance and observance of any of the terms, provisions and conditions contained in the Master Ordinance and any Supplemental Ordinance, and the Funds and Accounts securing the Parity Water/Wastewater Obligations then Outstanding as established in accordance with the terms of the Master Ordinance and any Supplemental Ordinance contain the amount then required to be deposited in this document or the proceeds of the sale of the Parity Water/Wastewater Obligations then to be issued are to be used to cure any deficiency in the amounts on deposit to the credit of such Funds and Accounts; and (ii) an Accountant shall certify or render an opinion to the effect that, for the last completed Fiscal Year preceding the date of the then proposed Parity Water/Wastewater Obligations, or for any twelve consecutive calendar month period ending not more than ninety days prior to the date of the then proposed Parity Water/Wastewater Obligations, the Net Revenues of the Water and Wastewater System, after deducting amounts expended from the Water and Wastewater System's Net Revenues during the last completed Fiscal Year for the payment of debt service requirements of the Prior Subordinate Lien Obligations, together with Other Available Water and Wastewater Revenues (see "SECURITY FOR THE BONDS – Surplus Revenue Account" in this document), are equal to 1.25 times the average Annual Debt Service Requirements of the Parity Water/Wastewater Obligations to be

Outstanding, after giving effect to the issuance of the then proposed Parity Water/Wastewater Obligations. The Bonds are being issued in satisfaction of the requirements described in this paragraph.

For purposes of the Accountant's certification or opinion noted in clause (ii) above, if Parity Water/Wastewater Obligations are issued to refund less than all of the Parity Water/Wastewater Obligations then Outstanding, the aforesaid certificate, report or opinion of the Accountant shall give effect to the issuance of the proposed refunding of Parity Water/Wastewater Obligations (and shall not give effect to the Parity Water/Wastewater Obligations being refunded).

In making a determination of Net Revenues, the Accountant may take into consideration a change in the rates and charges for services and facilities afforded by the Water and Wastewater System that became effective at least 30 days prior to the last day of the period for which Net Revenues are determined and, for purposes of satisfying the Net Revenues coverage test described above, make a pro forma determination of the Net Revenues of the Water and Wastewater System for the period of time covered by the Accountant's certification or opinion based on such change in rates and charges being in effect for the entire period covered by the Accountant's certificate or opinion.

### **Short-Term Parity Water/Wastewater Obligations**

Pursuant to the Master Ordinance, the City may issue or incur Parity Water/Wastewater Obligations issued in the form of commercial paper and for purposes of satisfying the Net Revenues coverage test for additional Parity Water/Wastewater Obligations, the term "Outstanding Funded Debt" (as defined in APPENDIX C) shall include Subordinated Debt (as defined in APPENDIX C) that matures by its terms, or that is renewable at the option of the City, to a date more than one year after the date of its issuance by the City. The terms and conditions pertaining to the issuance of Parity Water/Wastewater Obligations in the form of commercial paper, including, without limitation, the security, liquidity and reserves necessary to support such commercial paper obligations, are to be contained in a Supplemental Ordinance relating to their issuance.

### **Special Facilities Debt and Subordinated Debt**

Special Facilities Debt and Subordinated Debt may be incurred by the City without limitation.

### **Credit Agreement – 2008 Variable Rate Bonds**

Under the Master Ordinance, payments made under a Credit Agreement may be treated as Parity Water/Wastewater Obligations payable solely from and equally and ratably secured by a lien on the Net Revenues of the Water and Wastewater System of equal rank and dignity with the lien and pledge securing the payment of Parity Water/Wastewater Obligations if the governing body of the City makes a finding in the Supplemental Ordinance authorizing and approving the Credit Agreement that Gross Revenues will be sufficient to meet the obligations of the Water and Wastewater System, including sufficient Net Revenues to satisfy the Annual Debt Service Requirements of Parity Water/Wastewater Obligations then outstanding and the financial obligations of the City under the Credit Agreement, and such finding is supported by a certificate executed by a Designated Financial Officer of the City.

The City has outstanding one series of Parity Water/Wastewater Obligations for which the City has executed a Credit Agreement and treated its obligations under the Credit Agreement as a Parity Water/Wastewater Obligation.

In conjunction with the delivery of the City of Austin, Texas Water and Wastewater System Variable Rate Revenue Refunding Bonds, Series 2008, issued in the aggregate principal amount of \$170,605,000 (the "2008 Variable Rate Bonds"), and delivered on May 15, 2008, and pursuant to a fifteenth supplemental ordinance to the Master Ordinance, the City entered into an Interest Rate Management Agreement (the "2008 Swap Agreement") with Goldman Sachs Capital Markets, L.P. ("Goldman"), pursuant to which the City is obligated to make payments to Goldman calculated on a notional amount equal to the scheduled outstanding principal amount of the 2008 Variable Rate Bonds and a fixed interest rate of 3.60% per annum, and Goldman is obligated to make reciprocal payments to the City calculated on a notional amount equal to the scheduled outstanding principal amount of the 2008 Variable Rate Bonds and a variable rate equal to the SIFMA index for obligations having a maturity of 2031. Payments under the 2008 Swap Agreement are made on a net basis on the fifteenth day of each month, commencing in May 2008 and ending in May 2031. Interest on the 2008 Variable Rate Bonds is determined in a manner that differs from the SIFMA index used to calculate amounts payable to the City under the terms of the 2008 Swap Agreement. The City entered into the 2008 Swap Agreement in conjunction with the issuance of the 2008 Variable Rate Bonds in order to effect and quantify a debt service savings on outstanding bonds that were refunded with the proceeds of the 2008 Variable Rate Bonds. Payments to be made by the City, if any, under the terms

of the 2008 Swap Agreement (other than a “termination payment” as discussed below) are payable solely from and equally and ratably secured by a lien on the Net Revenues of the Water and Wastewater System of equal rank and dignity with the lien and pledge securing the payment of Parity Water/Wastewater Obligations. See “APPENDIX B – AUDITED FINANCIAL STATEMENTS–Note 6–Debt and Non-Debt Liabilities” in this document for a discussion relating to the valuation of and risks associated with the 2008 Swap Agreement. As of August 31, 2021, the net aggregate monthly payments the City has made under the 2008 Swap Agreement equal \$140,408,357.38. As of August 31, 2021, the mark-to-market value of the termination payment under the terms of the 2008 Swap Agreement was a negative \$15,629,997.53 million.

If either party to the 2008 Swap Agreement commits an event of default, suffers a reduction in creditworthiness, or merges with a materially weaker entity, or in certain other circumstances, the 2008 Swap Agreement may be terminated at the option of the other party. Accordingly, no assurance can be given that the 2008 Swap Agreement will continue in existence until May 2031. If the 2008 Swap Agreement is terminated, then current market conditions will determine whether the City will owe a termination payment to Goldman or be entitled to receive a termination payment from Goldman. Such termination payment generally would be based on the market value of the 2008 Swap Agreement on the date of termination and could be substantial. In addition, a partial termination of the 2008 Swap Agreement could occur to the extent any 2008 Variable Rate Bonds are redeemed pursuant to the City exercising its right to effect an optional redemption of 2008 Variable Rate Bonds. If such optional redemption were to occur, termination payments related to the portion of the 2008 Swap Agreement to be terminated will be owed by either the City or Goldman, depending on the existing market conditions. The obligation of the City to pay a termination payment to Goldman could result in the City issuing Parity Water/Wastewater Obligations or Subordinated Debt to enable the City to make such a termination payment.

### **System Fund**

Under the Master Ordinance and in accordance with the provisions of the ordinances authorizing the issuance of the Prior Subordinate Lien Obligations and the Commercial Paper Obligations, the City has created and there shall be maintained on the books of the City while the Parity Water/Wastewater Obligations are Outstanding a separate fund or account known and designated as the “Water and Wastewater System Fund” (the “Water and Wastewater System Fund” or the “System Fund”). All funds deposited to the credit of the System Fund and disbursements from the System Fund shall be recorded in the books and records of the City and moneys deposited to the credit of the System Fund shall be in an account or fund maintained at an official depository of the City. The Gross Revenues of the Water and Wastewater System shall be deposited, as collected, to the credit of the System Fund and such Gross Revenues deposited to the credit of the System Fund shall be allocated, budgeted and appropriated to the extent required for the following uses and in the order of priority shown:

FIRST: To the payment of Operating Expenses, as defined in this document in the Master Ordinance or required by statute to be a first charge on and claim against the Gross Revenues thereof.

SECOND: To the payment of the amounts required to be deposited to the credit of the reserve fund established for the Prior Subordinate Lien Obligations.

THIRD: Equally and ratably to the payment of the amounts required to be deposited to the credit of (i) the special fund created and established for the payment of principal of and interest on the Prior Subordinate Lien Obligations as the same becomes due and payable, (ii) the funds maintained for the payment of Previously Issued Separate Lien Obligations currently Outstanding, and (iii) the special Funds and Accounts for the payment of the Parity Water/Wastewater Obligations.

FOURTH: To pay Subordinated Debt, including amounts for the payment of the Commercial Paper Obligations, and the amounts, if any, due and payable under any credit agreement executed in connection therewith.

FIFTH: To the payment of the amount, if any, approved and authorized by action of the governing body of the City, to be deposited to the credit of the Water and Wastewater System Surplus Revenue Account.

Any Net Revenues remaining in the Water and Wastewater System Fund after satisfying the foregoing payments, or making adequate and sufficient provision for the payment thereof, may be appropriated and used for any other City purpose now or hereafter permitted by law.

The City has established the “Revenue Stability Reserve Fund” as an account within the System Fund, and, therefore, the Revenue Stability Reserve Fund is separate and distinct from the Reserve Fund established by the Master Ordinance and described in “SECURITY FOR THE BONDS – Bonds Not Secured by any Debt Service Reserve Fund” in this document. The Revenue Stability Reserve Fund is funded by the “Water Revenue Stability Reserve Fund Surcharge” described in “COMBINED WATER AND WASTEWATER SYSTEM INFORMATION – Water Service Rates” in this document. Moneys in the Revenue Stability Reserve Fund are Gross Revenues under the Master Ordinance. The City Council of the City has established certain policy restrictions with respect to the use of moneys in the Revenue Stability Reserve Fund, which are described in “COMBINED WATER AND WASTEWATER SYSTEM INFORMATION – Water and Wastewater Rates” in this document. Notwithstanding these policy restrictions, the provisions of the Master Ordinance regarding the use of moneys on deposit in the System Fund (including the Revenue Stability Reserve Fund in this document) that are described above in this “SECURITY FOR THE BONDS – System Fund” caption, govern and control. For additional information regarding the Revenue Stability Reserve Fund, see “COMBINED WATER AND WASTEWATER SYSTEM INFORMATION – Water and Wastewater Rates” in this document.

### **Surplus Revenue Account**

At the end of each Fiscal Year and after satisfying all payments and transfers having a priority on the revenues deposited to the credit of the System Fund, an amount approved and authorized by action of the governing body of the City may be transferred from the System Fund and deposited to the credit of a “Water and Wastewater System Surplus Revenue Account” to be established and maintained on the books and records of the City. The amounts deposited to the credit of the Water and Wastewater System Surplus Revenue Account may be used to make capital improvements to the Water and Wastewater System, to pay Operating Expenses or for any other lawful purpose. Prior to the beginning of each Fiscal Year, an amount deposited to the credit of the Water and Wastewater System Surplus Revenue Account may by action of the governing body of the City in the approval of the annual budget, or by a separate action, be designated as “Other Available Water and Wastewater Funds.” The amount so designated as “Other Available Water and Wastewater Funds” shall be transferred on the books of the City to the credit of the System Fund as of the beginning of such Fiscal Year.

### **COMMERCIAL PAPER NOTE PROGRAMS**

The City has established two short-term interim financing commercial paper program structures, a \$400,000,000 tax-exempt commercial paper program (the “Tax-Exempt Commercial Paper Note Program”) and a \$100,000,000 taxable commercial paper program (the “Taxable Commercial Paper Note Program,” and together with the Tax-Exempt Commercial Paper Note Program, the “Commercial Paper Note Programs”). The purpose of the Commercial Paper Note Programs is to provide funds for the interim financing of a portion of the costs of capital improvements of the Combined Utility Systems. Notes issued under the Commercial Paper Note Programs (referred to as “Commercial Paper Obligations” in this document) are payable from the Net Revenues of the Combined Utility Systems after providing for the payment of the Prior Subordinate Lien Obligations, the Parity Electric Utility Obligations and the Water and Wastewater System Separate Lien Obligations.

The City’s current financial policy provides that the proceeds of Commercial Paper Obligations issued for the Water and Wastewater System can only be utilized to finance (i) new water and wastewater plans, (ii) capital expansions, (iii) growth-related projects, (iv) routine capital improvements required for normal business operation, and/or (v) improvements to comply with local, state and federal mandates or regulations. The City’s current financial policy provides that the proceeds of Commercial Paper Obligations issued for the Electric Utility System can only be utilized (i) to finance capital improvements required for normal business operation for Electric Utility System additions, extensions, and improvements or improvements to comply with local, state and federal mandates or regulations without prior voter authorization; however, this shall not apply to new nuclear or conventional coal generation, or (ii) for voter-authorized projects (although such voter authorization is not required by State law). See “SECURITY FOR THE BONDS” in this document.

Liquidity support for the \$400,000,000 Tax-Exempt Commercial Paper Note Program is provided by a revolving credit agreement issued by JPMorgan Chase Bank, National Association (“JPMorgan”). The revolving credit agreement with JPMorgan, which was amended and restated on October 1, 2020, expires in accordance with its terms on October 7, 2022. The revolving credit agreement with JPMorgan also allows for the direct placement of tax-exempt commercial paper notes with JPMorgan.

Liquidity support for the \$100,000,000 Taxable Commercial Paper Note Program is provided by a revolving credit agreement issued by Barclays Bank PLC (“Barclays”). The revolving credit agreement with Barclays, which became



effective on October 1, 2020, expires in accordance its terms on October 7, 2022. The revolving credit agreement with Barclays amended and restated the Taxable Commercial Paper Note Program to increase the amount of taxable commercial paper notes outstanding from time to time to \$100,000,000 from the previous authorization of \$75,000,000.

## DESCRIPTION OF THE BONDS

### General

The Bonds will be dated September 27, 2021 (the “Dated Date”). Interest on the Bonds will accrue from the date of their initial delivery to the Underwriters (the “Date of Initial Delivery”) and will be payable on May 15, 2022, and each November 15 and May 15 until maturity or prior redemption. The Bonds will mature on the dates and in the principal amounts and bear interest at per annum rates set forth on page ii of this document. Interest to be paid on the Bonds will be calculated on the basis of a 360-day year consisting of twelve 30-day months. Principal of the Bonds is payable at maturity, subject only to prior redemption of the Bonds as described in this document.

### Optional Redemption of the Bonds

The City reserves the right, at its option, to redeem Bonds maturing on or after November 15, 20\_\_, in whole or in part, in the principal amounts of \$5,000 or any integral multiple thereof on November 15, 20\_\_, or any date thereafter, at the par value plus accrued interest to the date fixed for redemption.

Upon any optional redemption of the Bonds, if less than all of the Bonds are to be redeemed, the City shall determine the respective maturities and amounts to be redeemed and, if less than all of a maturity are to be redeemed, the Bonds, or portion of the Bonds, within such maturity will be selected at random, by lot or other customary method selected by the Paying Agent/Registrar.

### Mandatory Sinking Fund Redemption of the Bonds

The Bonds having stated maturities of November 15, 20\_\_ and November 15, 20\_\_, respectively (the “Term Bonds”), shall be subject to mandatory sinking fund redemption in part prior to maturity at the par value plus accrued interest to the date of redemption on November 15 in each of the years and in the principal amounts as follows:

<div style="text-align: center;">           ____% Term Bond due            November 15, 20__         </div>		<div style="text-align: center;">           ____% Term Bond due            November 15, 20__         </div>	
<u>Year</u>	<u>Principal Amount</u>	<u>Year</u>	<u>Principal Amount</u>
20__ <sup>†</sup>		20__ <sup>†</sup>	

<sup>†</sup>Stated maturity.

Approximately 45 days prior to each mandatory sinking fund redemption date for the Term Bonds, the Paying Agent/Registrar shall select by lot the numbers of the Term Bonds within the applicable stated maturity to be redeemed on the next following November 15 from moneys set aside for that purpose in the Debt Service Fund. Any Term Bonds not selected for prior redemption shall be paid on the date of their stated maturity.

The principal amount of the Term Bonds of a stated maturity required to be redeemed pursuant to the operation of such mandatory sinking fund redemption provisions may be reduced, at the option of the City, by the principal amount of Term Bonds of like maturity which, at least 50 days prior to the mandatory sinking fund redemption date, (1) shall have been acquired by the City at a price not exceeding the principal amount of such Term Bonds plus accrued interest to the date of purchase thereof, and delivered to the Paying Agent/Registrar for cancellation, or (2) shall have been redeemed pursuant to the optional redemption provisions and not previously credited against a mandatory sinking fund redemption requirement.

## **Notice of Redemption**

Not less than 30 days before a redemption date for the Bonds, a notice of redemption shall be sent by United States mail, first-class postage prepaid, in the name of the City and at the City's expense, to the registered owner of a Bond to be redeemed in whole or in part at the address of the bondholder appearing on the registration books of the Paying Agent/Registrar at the close of business on the business day next preceding the date of mailing such notice, and any notice of redemption so mailed shall be conclusively presumed to have been duly given irrespective of whether received by the registered owner.

With respect to any optional redemption of the Bonds, unless moneys sufficient to pay the principal of and premium, if any, and interest on the Bonds to be redeemed shall have been received by the Paying Agent/Registrar before the notice of redemption is mailed, such notice may state that redemption may, at the option of the City, be conditional upon the receipt of such moneys by the Paying Agent/Registrar on or before the date fixed for such redemption, or upon the satisfaction of any prerequisites set forth in such notice of redemption; and, if sufficient moneys are not received, such notice shall be of no force and effect, the City shall not redeem such Bonds and the Paying Agent/Registrar shall give notice, in the manner in which the notice of redemption was given, to the effect that the Bonds have not been redeemed.

## **Defeasance**

The City may defease and discharge its obligation to the holders of any or all of the Bonds to pay the principal of, redemption premium, and interest thereon by depositing with the Paying Agent/Registrar, or other authorized escrow agent, in trust: (a) cash in an amount equal to the principal amount of, redemption premium, and interest to become due on the Bonds to the date of maturity or prior redemption, or (b) Government Obligations, consisting of (i) direct non-callable obligations of the United States of America, including obligations that are unconditionally guaranteed by the United States of America; (ii) non-callable obligations of an agency or instrumentality of the United States, including obligations that are unconditionally guaranteed or insured by the agency or instrumentality and are rated as to investment quality by a nationally recognized investment rating firm no less than "AAA" or its equivalent; or (iii) non-callable obligations of a state or an agency or a county, municipality, or other political subdivision of a state that have been refunded and that, on the date of acquisition by the City are rated as to investment quality by a nationally recognized investment rating firm not less than "AAA" or its equivalent. Government Obligations deposited in trust to defease the Bonds are required to be affirmed by an independent public accounting firm of national reputation to mature as to principal and interest in such amounts and at such times as will insure the availability, without reinvestment, of sufficient money to pay the principal of, redemption premium, and interest on the defeased Bonds.

In connection with the sale of the Bonds, the City has warranted that it will not defease the Bonds with obligations described in clause (iii) of the term Government Obligations.

## **Paying Agent/Registrar**

The initial Paying Agent/Registrar for the Bonds is U.S. Bank, National Association, Dallas, Texas. The City retains the right to replace the Paying Agent/Registrar. Upon any change in the Paying Agent/Registrar for the Bonds, the City will promptly cause written notice thereof to be given to each registered owner of the Bonds then outstanding, which notice will also give the address of the new Paying Agent/Registrar. Any Paying Agent/Registrar selected by the City shall be a bank, trust company, financial institution or other entity duly qualified and legally authorized to serve in the capacity and perform the duties of Paying Agent/Registrar for the Bonds.

Interest on the Bonds will be paid to the registered owners appearing on the registration books of the Paying Agent/Registrar at the close of business on the Record Date (defined below), and such interest shall be paid (i) by check sent by United States mail, first-class postage prepaid, to the address of the registered owner recorded in the registration books of the Paying Agent/Registrar or (ii) by such other method, acceptable to the Paying Agent/Registrar requested by, and at the risk and expense of, the registered owner. Principal of the Bonds will be paid to the registered owner at their stated maturity or redemption prior to maturity upon their presentation to the designated payment/transfer office of the Paying Agent/Registrar. If a date for making a payment on the Bonds, the taking of any action or the mailing of any notice by the Paying Agent/Registrar shall be a Saturday, Sunday, a legal holiday, or a day when banking institutions in the city where the designated payment/transfer office of the Paying Agent/Registrar is located are authorized by law or executive order to close, then the date for such payment, taking action or mailing of a notice will be the next succeeding

day that is not a Saturday, Sunday, legal holiday, or day when banking institutions are authorized to close; and a payment, action or mailing on such date shall have the same force and effect as if made on the original date the payment was due, or the action was required to be taken or the mailing was required to be made.

### **Record Date for Interest Payment**

The record date ("Record Date") for the interest payable on any interest payment date with respect to the Bonds means the close of business on the last business day of the month preceding such interest payment date. In the event of a non-payment of interest on one or more maturities of the Bonds on a scheduled interest payment date, and for 30 days thereafter, a new record date for such interest payment for such maturity or maturities (a "Special Record Date") will be established by the Paying Agent/Registrar, if any, when funds for the payment of such interest have been received from the City. Notice of the Special Record Date and of the scheduled payment date of the past due interest (which shall be 15 days after the Special Record Date) shall be sent at least five business days prior to the Special Record Date by United States mail, first-class postage prepaid, to the address of each registered owner of such maturity or maturities of the Bonds appearing on the books of the Paying Agent/Registrar at the close of business on the last business day next preceding the date of mailing of such notice.

### **Transfer, Exchange and Registration**

In the event the Book-Entry-Only System should be discontinued (see "BOOK-ENTRY-ONLY SYSTEM" in this document), the Bonds may be transferred and exchanged on the registration books of the Paying Agent/Registrar only upon presentation and surrender thereof to the Paying Agent/Registrar and such transfer or exchange shall be without expense or service charge to the registered owner, except for any tax or other governmental charges required to be paid with respect to such registration, exchange and transfer. Bonds may be assigned by the execution of an assignment form on the respective Bonds or by other instrument of transfer and assignment acceptable to the Paying Agent/Registrar. New Bonds will be delivered by the Paying Agent/Registrar, in lieu of the Bonds being transferred or exchanged, at the designated payment/transfer office of the Paying Agent/Registrar, or sent by United States mail, first-class postage prepaid, to the new registered owner or his designee. To the extent possible, new Bonds issued in an exchange or transfer of Bonds will be delivered to the registered owner or assignee of the registered owner in not more than three business days after the receipt of the Bonds to be canceled, and the written instrument of transfer or request for exchange duly executed by the registered owner or his duly authorized agent, in form satisfactory to the Paying Agent/Registrar.

### **Bondholders' Remedies**

If the City defaults in the payment of principal, interest or redemption price on the Bonds when due, or the City defaults in the observation or performance of any other covenants, conditions, or obligations set forth in either the Master Ordinance or the Thirty-Eighth Supplement, or the City declares bankruptcy, the registered owners may seek a writ of mandamus to compel the City or City officials to carry out the legally imposed duties with respect to the Bonds if there is no other available remedy at law to compel performance of the Bonds, the Master Ordinance or the Thirty-Eighth Supplement and the City's obligations are not uncertain or disputed. The issuance of a writ of mandamus is controlled by equitable principles, so rests with the discretion of the courts, but may not be arbitrarily refused. There is no acceleration of maturity of the Bonds in the event of default and, consequently, the remedy of mandamus may have to be relied upon from year to year. Neither the Master Ordinance nor the Thirty-Eighth Supplement provide for the appointment of a trustee to represent the interest of the holders of the Bonds upon any failure of the City to perform in accordance with the terms of the Thirty-Eighth Supplement, or upon any other condition and, accordingly, all legal actions to enforce such remedies would have to be undertaken at the initiative of, and be financed by, the registered owners. The City may exercise authority to issue obligations and enter into credit agreements pursuant to Chapter 1371, Texas Government Code ("Chapter 1371"), secured by the revenues of the Water and Wastewater System. In the proceedings authorizing the issuance of obligations or the execution and delivery of credit agreements, the City may agree to waive sovereign immunity from suit or liability for the purposes of adjudicating a claim to enforce the credit agreement or obligation or for damages for breach of the credit agreement or obligation. The City has not waived the defense of sovereign immunity with respect to the Bonds under Chapter 1371. On June 30, 2006, the Texas Supreme Court ruled in *Tooke v. City of Mexia*, 197 S.W.3d 325 (Tex. 2006) that a waiver of sovereign immunity in a contractual dispute must be provided for by statute in "clear and unambiguous" language. Because it is unclear whether the State legislature has effectively waived the City's sovereign immunity from a suit for money damages, holders of the Bonds may not be able to bring such a suit against the City for breach of the Bonds or covenants contained in the Master Ordinance or the Thirty-Eighth Supplement. Even if a judgment against the City could be obtained, it could not be enforced by direct levy and execution against the City's property.

On April 1, 2016, the Texas Supreme Court ruled in *Wasson Interests, Ltd. v. City of Jacksonville*, 489 S.W.3d 427 (Tex. 2016) (“Wasson I”), that governmental immunity does not imbue a city with derivative immunity when it performs a proprietary, as opposed to a governmental, function in respect to contracts executed by a city. On October 5, 2018, the Texas Supreme Court issued a second opinion to clarify Wasson I, *Wasson Interests, Ltd. v. City of Jacksonville*, 559 S.W.3d 142 (Tex. 2018) (“Wasson II” and, together with Wasson I, “Wasson”), ruled that to determine whether governmental immunity applies to a breach of contract claim, the proper inquiry is whether the municipality was engaged in a governmental or proprietary function at the time it entered into the contract, not at the time of the alleged breach. In Wasson, the Court recognized that the distinction between governmental and proprietary functions is not clear. Therefore, in regard to municipal contract cases (as opposed to tort claim cases), it is incumbent on the courts to determine whether a function was governmental or proprietary based upon the statutory and common law guidance at the time of the contractual relationship. Texas jurisprudence has generally held that proprietary functions are those conducted by a city in its private capacity, for the benefit only of those within its corporate limits, and not as an arm of the government or under authority or for the benefit of the State; these are usually activities that can be, and often are, provided by private persons, and therefore are not done as a branch of the State, and do not implicate the State’s immunity since they are not performed under the authority, or for the benefit, of the State as sovereign. Issues related to the applicability of a governmental immunity as they relate to the issuance of municipal debt have not been adjudicated. Each situation will be evaluated based on the facts and circumstances surrounding the contract in question.

Furthermore, the City is eligible to seek relief from its creditors under Chapter 9 of the U.S. Bankruptcy Code (“Chapter 9”). Although Chapter 9 provides for the recognition of a security interest represented by a specifically pledged source of revenue, such provision is subject to judicial construction. Chapter 9 also includes an automatic stay provision that would prohibit, without Bankruptcy Court approval, the prosecution of any other legal action by creditors or holders of the Bonds of an entity which has sought protection under Chapter 9. Therefore, should the City avail itself of Chapter 9 protection from creditors, the ability to enforce creditors’ rights would be subject to the approval of the Bankruptcy Court (which could require that the action be heard in Bankruptcy Court instead of other federal or state court); and the Bankruptcy Code provides for broad discretionary powers of a Bankruptcy Court in administering any proceeding brought before it. The opinion of Bond Counsel will note that all opinions relative to the enforceability of the Bonds are qualified with respect to the customary rights of debtors relative to their creditors.

For a more detailed explanation of the various covenants and agreements with the Holders of the Bonds, including provisions for amendments to the Master Ordinance and any supplemental ordinances thereto (including the Thirty-Eighth Supplement), and defeasance of the Bonds, see APPENDIX C attached to this document.

### **BOOK-ENTRY-ONLY SYSTEM**

The Depository Trust Company, New York, New York (“DTC”) will act as securities depository for the Bonds (the “Securities”). The Securities will be issued as fully-registered securities registered in the name of Cede & Co. (DTC’s partnership nominee) or such other name as may be requested by an authorized representative of DTC. One fully-registered Security certificate will be issued for each maturity of the Securities, each in the aggregate principal amount of such maturity, and will be deposited with DTC.

DTC, the world’s largest securities depository, is a limited-purpose trust company organized under the New York Banking Law, a “banking organization” within the meaning of the New York Banking Law, a member of the Federal Reserve System, a “clearing corporation” within the meaning of the New York Uniform Commercial Code, and a “clearing agency” registered pursuant to the provisions of Section 17A of the Securities Exchange Act of 1934. DTC holds and provides asset servicing for over 3.5 million issues of U.S. and non-U.S. equity issues, corporate and municipal debt issues, and money market instruments from over 100 countries that DTC’s participants (“Direct Participants”) deposit with DTC. DTC also facilitates the post-trade settlement among Direct Participants of sales and other securities transactions in deposited securities, through electronic computerized book-entry transfers and pledges between Direct Participants’ accounts. This eliminates the need for physical movement of securities certificates. Direct Participants include both U.S. and non-U.S. securities brokers and dealers, banks, trust companies, clearing corporations, and certain other organizations. DTC is a wholly-owned subsidiary of The Depository Trust & Clearing Corporation (“DTCC”). DTCC is the holding company for DTC, National Securities Clearing Corporation and Fixed Income Clearing Corporation, all of which are registered clearing agencies. DTCC is owned by the users of its regulated subsidiaries. Access to the DTC system is also available to others such as both U.S. and non-U.S. securities brokers and dealers, banks, trust companies, and clearing corporations that clear through or maintain a custodial relationship with a Direct Participant, either directly or indirectly

(“Indirect Participants”). Direct Participants and Indirect Participants are referred to collectively as “Participants”. DTC has a Standard & Poor’s rating of “AA+.” The DTC Rules applicable to its Participants are on file with the Securities and Exchange Commission. More information about DTC can be found at [www.dtcc.com](http://www.dtcc.com).

Purchases of Securities under the DTC system must be made by or through Direct Participants, which will receive a credit for the Securities on DTC’s records. The ownership interest of each actual purchaser of each Security (“Beneficial Owner”) is in turn to be recorded on the Participants’ records. Beneficial Owners will not receive written confirmation from DTC of their purchase. Beneficial Owners are, however, expected to receive written confirmations providing details of the transaction, as well as periodic statements of their holdings, from the Participant through which the Beneficial Owner entered into the transaction. Transfers of ownership interests in the Securities are to be accomplished by entries made on the books of Participants acting on behalf of Beneficial Owners. Beneficial Owners will not receive certificates representing their ownership interests in Securities, except in the event that use of the book-entry system for the Securities is discontinued.

To facilitate subsequent transfers, all Securities deposited by Direct Participants with DTC are registered in the name of DTC’s partnership nominee, Cede & Co., or such other name as may be requested by an authorized representative of DTC. The deposit of Securities with DTC and their registration in the name of Cede & Co. or such other DTC nominee do not effect any change in beneficial ownership. DTC has no knowledge of the actual Beneficial Owners of the Securities; DTC’s records reflect only the identity of the Direct Participants to whose accounts such Securities are credited, which may or may not be the Beneficial Owners. The Participants will remain responsible for keeping account of their holdings on behalf of their customers.

Conveyance of notices and other communications by DTC to Direct Participants, by Direct Participants to Indirect Participants, and by Direct Participants and Indirect Participants to Beneficial Owners will be governed by arrangements among them, subject to any statutory or regulatory requirements as may be in effect from time to time. Beneficial Owners of Securities may wish to take certain steps to augment the transmission to them of notices of significant events with respect to the Securities, such as redemptions, tenders, defaults, and proposed amendments to the Security documents. For example, Beneficial Owners of Securities may wish to ascertain that the nominee holding the Securities for their benefit has agreed to obtain and transmit notices to Beneficial Owners. In the alternative, Beneficial Owners may wish to provide their names and addresses to the registrar and request that copies of notices be provided directly to them.

Redemption notices shall be sent to DTC. If less than all of the Securities within an issue are being redeemed, DTC’s practice is to determine by lot the amount of the interest of each Direct Participant in such issue to be redeemed.

Neither DTC nor Cede & Co. (nor any other DTC nominee) will consent or vote with respect to Securities unless authorized by a Direct Participant in accordance with DTC’s MMI Procedures. Under its usual procedures, DTC mails an Omnibus Proxy to the City as soon as possible after the record date. The Omnibus Proxy assigns Cede & Co.’s consenting or voting rights to those Direct Participants to whose accounts Securities are credited on the record date (identified in a listing attached to the Omnibus Proxy).

Redemption proceeds and principal and interest payments on the Securities will be made to Cede & Co., or such other nominee as may be requested by an authorized representative of DTC. DTC’s practice is to credit Direct Participants’ accounts upon DTC’s receipt of funds and corresponding detail information from the City or the Paying Agent/Registrar, on the payable date in accordance with their respective holdings shown on DTC’s records. Payments by Participants to Beneficial Owners will be governed by standing instructions and customary practices, as is the case with securities held for the accounts of customers in bearer form or registered in “street name,” and will be the responsibility of such Participant and not of DTC nor its nominee, the Paying Agent/Registrar, or the City, subject to any statutory or regulatory requirements as may be in effect from time to time. Payment of redemption proceeds and principal and interest payments to Cede & Co. (or such other nominee as may be requested by an authorized representative of DTC) is the responsibility of the City or the Paying Agent/Registrar, disbursement of such payments to Direct Participants will be the responsibility of DTC, and disbursement of such payments to the Beneficial Owners will be the responsibility of Participants.

DTC may discontinue providing its services as depository with respect to the Securities at any time by giving reasonable notice to the City or the Paying Agent/Registrar. Under such circumstances, in the event that a successor depository is not obtained, Security certificates are required to be printed and delivered. Subject to DTC’s policies and guidelines, the City may decide to discontinue use of the system of book-entry-only transfers through DTC (or a successor securities depository). In that event, Security certificates will be printed and delivered.

The information in this section concerning DTC and DTC's book-entry-only system has been obtained from sources that the City, PFM Financial Advisors LLC, and the Underwriters each believes to be reliable, but the City, PFM Financial Advisors LLC, and the Underwriters take no responsibility for the accuracy thereof.

## THE SYSTEMS

The City owns and operates an electric utility system (also referred to in this document as the "Electric Utility System," the "Electric Light and Power System" or "Austin Energy") and a water and wastewater system (also referred to in this document as the "Water and Wastewater System" or "Austin Water") which provide the City, as well as adjoining areas of Travis County and certain adjacent areas of Williamson County, with electric, water and wastewater services. The City jointly participates with other electric utilities in the ownership of coal-fired electric generation facilities and a nuclear powered electric generation facility. Additionally, City individually-owned gas/oil-fired electric facilities and a biomass generation facility are available to meet Electric Utility System demand. The City owns all the facilities of the Water and Wastewater System. For the fiscal year commencing October 1, 2020, the Electric Utility System had approximately 1,813 full-time regular employees and the Water and Wastewater Utility had approximately 1,236 full-time regular employees.

## THE WATER AND WASTEWATER SYSTEM

### Management

<u>Name</u>	<u>Years at City*</u>	<u>Additional Years of Experience</u>	<u>Total</u>
Director			
Greg Meszaros	14	22	36
Assistant Directors			
Anna Bryan-Borja, CIA, <i>Business Services</i>	24	3	27
Rick Coronado, P.E., <i>Operations</i>	26	-	26
Kevin Critendon, P.E., <i>Environmental Planning and Development Service</i>	10	27	37
Joseph Gonzalez, CPA, <i>Financial Services (**)</i>	18	9	27
Randi Jenkins, <i>Customer Experience</i>	15	8	19
Shay Roalson, P.E., <i>Engineering Services</i>	1.5	27	28.5
Steve Hutton, Interim CIO, <i>Information Technology Services</i>	24	10	34

\*As of August 31, 2021.

\*\* Length of service is not continuous.

## WATER SYSTEM

### Service Area

The City supplies treated water to residential, industrial and commercial customers within the corporate limits of the City and to a portion of Travis and Williamson Counties. The presently defined service area totals approximately 538 square miles. The City also has contracted to supply treated water on a wholesale basis to four municipal utility districts (individually, a "MUD"; collectively "MUDs"); two water control and improvement districts (individually, a "WCID"; collectively "WCIDs"); several water supply corporations and private utilities; the cities of Manor, Rollingwood, Sunset Valley, West Lake Hills; and the Village of San Leanna. In addition, the City has had a water reclamation initiative for more than thirty years to develop facilities and processes to make treated wastewater effluent available for non potable uses including irrigation and cooling processes. The City established operating and capital funds for a Reclaimed Water Utility in addition to the Water and Wastewater System operating and capital funds during fiscal year 2013. See "COMBINED WATER AND WASTEWATER SYSTEM INFORMATION – Water Reuse Facilities" in this document. The City has previously acquired the systems and assets of eleven WCIDs. The City has paid off and extinguished the bonded indebtedness of these WCIDs.

The Texas Commission on Environmental Quality ("TCEQ") is empowered to grant utilities a certificate of convenience and necessity to provide water and wastewater service to retail customers. Since Austin Water is not defined by state statute as a "utility," and instead is considered a "municipality," it is not required to obtain such a certificate. References

to the TCEQ in this document are intended to include agencies whose duties and responsibilities have been assumed by the TCEQ.

## Water Supply

In 1888, City leaders campaigned successfully for the first Austin dam across the Colorado River, which was completed early in 1893 and was reported to be the largest dam in the world when originally constructed. In 1934, a \$4,500,000 loan and grant was obtained from the Public Works Administration to complete the Buchanan Dam. The Lower Colorado River Authority (“LCRA”) finished the Buchanan Dam—which is 150 feet high and 11,000 feet long—in 1938; the lake it forms (Lake Buchanan) is thirty-two miles long and two miles wide, covering 22,137 surface acres at the full conservation pool elevation of 1,020.5 feet mean sea level (“MSL”).

Since that time, a stairway of lakes was created by building five additional dams, giving the area 150 miles of lakes. Tom Miller Dam is within the City limits, and forms Lake Austin, which covers 1,590 surface acres; Mansfield Dam, the fifth largest masonry dam in the world, impounds Lake Travis, encompassing up to approximately 19,300 acres of surface area at the full conservation pool elevation of 681 feet MSL; Starcke Dam creates Lake Marble Falls, which spreads over 900 acres; Lake Lyndon B. Johnson, held by Alvin Wirtz Dam, has an area of 6,300 acres; and Roy Inks Dam forms Inks Lake, with a surface of 900 acres. The City owns Tom Miller Dam and has leased it to LCRA through December 31, 2050. The other Highland Lakes system dams are owned by LCRA.

The combined storage capacity of the six lakes is around 3,300,000 acre-feet of water, or more than a trillion gallons. Approximately 800,000 acre-feet of this capacity is reserved for flood control. Of the six dams on the Colorado River, two form major impounding reservoirs for the control of flood water; however, Mansfield Dam is the only designated flood control structure. The combined storage capacity of Lakes Travis and Buchanan, the two major water supply storage reservoirs upstream of the City and managed by LCRA, is approximately 2 million acre-feet.

The City also constructed Longhorn Dam on the Colorado River, just downstream of Lady Bird Lake and Decker Dam on Decker Creek, a tributary of the Colorado River that joins the river downstream of Longhorn Dam. Lady Bird Lake, which has a permitted capacity of approximately 3,500 acre-feet, is created by Longhorn Dam. Decker Dam creates Lake Walter E. Long, which has a permitted capacity of approximately 34,000 acre-feet.

United States Geological Survey (“USGS”) records at Austin gauging station No. 08158000 show the following flows for the water year (October 1 through September 30)\*:

1988 – 834,000 Acre-Feet	1999 – 803,240 Acre-Feet	2010 – 798,500 Acre-Feet
1989 – 667,900 Acre-Feet	2000 – 627,370 Acre-Feet	2011 – 670,000 Acre-Feet
1990 – 692,300 Acre-Feet	2001 – 1,371,435 Acre-Feet	2012 – 212,800 Acre-Feet
1991 – 829,700 Acre-Feet	2002 – 1,674,985 Acre-Feet	2013 – 210,600 Acre-Feet
1992 – 5,419,000 Acre-Feet	2003 – 1,017,294 Acre-Feet	2014 – 219,200 Acre-Feet
1993 – 978,000 Acre-Feet	2004 – 928,065 Acre-Feet	2015 – 201,700 Acre-Feet
1994 – 708,200 Acre-Feet	2005 – 1,077,031 Acre-Feet	2016 – 1,478,341 Acre-Feet
1995 – 896,700 Acre-Feet	2006 – 553,200 Acre-Feet	2017 – 739,900 Acre-Feet
1996 – 758,300 Acre-Feet	2007 – 2,156,000 Acre-Feet	2018 – 277,600 Acre-Feet
1997 – 3,013,512 Acre-Feet	2008 – 623,200 Acre-Feet	2019 – 2,518,000 Acre-Feet
1998 – 1,313,831 Acre-Feet	2009 – 584,800 Acre-Feet	2020 – 2,518,000 Acre-Feet

\* Data from 1988 to 2020 is referenced from USGS Water-Year Summary Statistics.

From 1988-2020, the average flow was 1,159,200 acre-feet per year. As a result of drought conditions, the flows in water years 2012 through 2015 were lower, in accordance with TCEQ approval, due to LCRA cutting off most Highland Lakes interruptible stored water releases for agricultural irrigation operations. Water year 2018 also experienced dry conditions and LCRA implemented a partial curtailment for downstream agricultural releases towards the latter part of the year. The gauging station referenced above is located on the Colorado River downstream of Longhorn Dam and downstream of the City’s intakes.

## Water Rights

The City holds independent rights to impound, divert and use the waters of the Colorado River and its tributaries, and

additional rights to such water pursuant to agreements with LCRA.

The City's independent water rights have been adjudicated before the TCEQ in accordance with the Water Rights Adjudication Act, Texas Water Code, Section 11.301, et seq. The City's rights, as determined by the TCEQ, are set forth in the Final Determination of all claims of Water Rights in the Lower Colorado River Segment of the Colorado River Basin issued by the TCEQ on July 29, 1985. Both the City and LCRA appealed the Final Determination, seeking additional rights and contesting the rights awarded to each other, in a proceeding styled *In Re: The Exceptions of the Lower Colorado River Authority and the City of Austin to the Adjudication of Water Rights in the Lower Colorado River Segment of the Colorado River Basin*, Cause No. 115,414-A-1 in the District Court of Bell County, Texas, 264th Judicial District ("Cause No. 115,414-A-1"). The City and LCRA entered into a Comprehensive Water Settlement Agreement (the "Settlement Agreement") in settlement of Cause No. 115,414-A-1 on December 10, 1987. The Settlement Agreement generally improves the independent water rights of both the City and LCRA. Such rights for the City include: the rights to maintain Tom Miller Dam and Lake Austin, Longhorn Dam and Lady Bird Lake, and Decker Dam and Lake Walter E. Long; the right to divert and use 272,403 run of the river acre-feet of water per year from Lake Austin and Lady Bird Lake for municipal purposes; the right to divert and circulate an unlimited amount of water per year from Lady Bird Lake for industrial purposes so long as consumptive use does not exceed 24,000 acre-feet per year; the right to divert and circulate water from Lake Walter E. Long for industrial (cooling) purposes so long as consumptive use does not exceed 16,156 acre-feet per year; and the right to divert and use water through Tom Miller Dam for the generation of hydroelectric power. LCRA's independent water rights, as determined by the TCEQ, include the rights to maintain Lakes Travis and Buchanan and to divert and use water therefrom. Pursuant to the Settlement Agreement and the final judgment in Cause No. 115,414-A-1, certain other pending water-related disputes between the City and LCRA were settled. LCRA was granted an option to acquire up to a 50% undivided interest in the City's then proposed Berl L. Handcox, Sr. Water Treatment Plant known as "Handcox WTP" (formerly Water Treatment Plant No. 4 or WTP No. 4) discussed under "Water Treatment Plants" in this document). The District Court issued a final judgment consistent with the Settlement Agreement. Certificates of Adjudication have been issued by the TCEQ.

Pursuant to previous agreements between the City and LCRA, LCRA has agreed to supply the City additional water from storage in Lakes Travis and Buchanan, and other sources. The City also has leased Tom Miller Dam, and the City's right to divert and use water for the generation of hydroelectric power through Tom Miller Dam, to LCRA. The Settlement Agreement provided for the City to receive water from Lake Travis for Handcox WTP, and for additional water for municipal and other purposes of use downstream of Lake Travis.

The City and LCRA executed the First Amendment to the Settlement Agreement (the "First Amendment") on October 7, 1999. This First Amendment extends the existing Settlement Agreement through the year 2050, and gives the City an assured water supply throughout its term by providing additional water from the Highland Lakes system, a chain of lakes formed on the Colorado River that includes Lake Travis, Lake Austin and Lady Bird Lake, and other sources. Additionally, the First Amendment includes an option for the City to renew the Settlement Agreement through the year 2100. The City paid a discounted amount of \$100.0 million to LCRA as part of the First Amendment contract provisions. The \$100.0 million payment to LCRA included compensation for the following terms: (a) pre-paid reservation fee for an additional 75,000 firm acre-feet of water supply, which increased the City's total water supply from 250,000 firm acre-feet to 325,000 firm acre-feet per year for the additional 50-year period, with an option to renew for another additional 50-year period; and (b) pre-paid water use charges that would be paid by the City for water use above 150,000 firm acre-feet up to 201,000 firm acre-feet.

Under the terms of the First Amendment, the Water and Wastewater System will begin annual payments to LCRA for raw water diverted in excess of 150,000 acre-feet once the Water and Wastewater System's average annual diversions for two consecutive years exceed 201,000 acre-feet, which is unlikely to occur prior to 2040. The First Amendment also has numerous other provisions that benefit the City. Also, a legal issue regarding the building of Handcox WTP (formerly WTP No. 4) was settled. LCRA's option to acquire up to 50% of the Handcox WTP lapsed on January 1, 2000. All sections of the 1987 Settlement Agreement related to Handcox WTP were deleted as part of the First Amendment. The First Amendment provides for mutual release of the City and LCRA from any claims or causes of action relating to the delayed construction of Handcox WTP.

## **Water Treatment Plants**

Austin Water has three water treatment plants (Davis, Ullrich, and Handcox WTP), which have a combined rated capacity of 335 million gallons per day ("mgd"). These water treatment plants have a combined clear well storage capacity of 45



million gallons on site.

Austin Water's water distribution system includes approximately 3,964 miles of water mains of varying diameters, 31 major storage facilities with a storage capacity of approximately 170 million gallons, 29,721 City maintained fire hydrants, and 21 major pump stations.

The City receives its water supply from the Colorado River through the three water treatment plants. The Davis Water Treatment Plant and the Ullrich Water Treatment Plant both draw water from Lake Austin. Handcox WTP draws water from Lake Travis.

The Davis Water Treatment Plant, located at Mount Bonnell Road and West 35th Street, has a rated capacity of 118 mgd. The plant is of conventional design, with rapid mix basins, flocculation basins, sedimentation basins, gravity filters, clearwell storage, raw water, system chlorine disinfection, and finished water pumping stations. The plant was constructed in 1954 and expanded in 1963, 1975 and 1986. The Ullrich Water Treatment Plant, located on a site south of Red Bud Trail and Forest View Drive, has a rated capacity of 167 mgd. The existing plant facilities consist of an intake and raw water pumping station, raw water transmission main, seven upflow-solids contact clarifiers, eighteen filters, chlorine disinfection, clearwell reservoirs, high service and medium service pumping stations, and sludge handling facilities. A 67 mgd upgrade to the Ullrich Plant was completed in 2006. This expansion increased the rated capacity of the plant from 100 mgd to 167 mgd.

Handcox WTP began delivering potable water in November 2014. Located in northwest Austin, Handcox WTP draws its water from Lake Travis. The construction of Handcox WTP added an initial capacity of 50 mgd with expansion capability up to 300 mgd with future phases to meet projected needs. Funding for the construction of Handcox WTP came from a combination of cash transferred from the operating fund and Commercial Paper Obligations.

#### **Water Use Management Plans, Austin's Integrated Water Resource Plan, and LCRA Water Management Plans**

Austin Water has both a water conservation plan and a drought contingency plan, as required in Texas for large municipal water suppliers. The City's Water Conservation Plan details incentive programs, educational efforts and regulations designed to reduce both peak and average day water use. The City's Drought Contingency Plan ("DCP") outlines the City's response to emergency demand or supply conditions. In addition to year-round prohibitions against water waste and a mandatory watering schedule that allows for outdoor irrigation with automatic sprinkler systems of no more than once per week, the plan calls for more restrictive stages if combined storage levels in the Highland Lakes fall below certain levels, or if daily pumpage exceeds limits established by Austin Water's Director. Watering times and days are further limited, and restrictions are placed on discretionary water uses such as ornamental fountains and vehicle washing. Water use restrictions are codified in the City Code, Chapter 6-4. Through these strategies, the Water and Wastewater Utility is striving to continue strengthening conservation efforts while also protecting the City's urban landscape and tree canopy.

For the majority of time from September 2011 through May 2016 the City was in Stage 2 watering restrictions, which resulted in lower than forecasted Gross Revenues in fiscal years 2012 through 2014. Among other measures, Stage 2 watering restrictions limit lawn watering to no more than one day per week. In accordance with the DCP, Stage 2 implementation was triggered in response to the combined storage of water supply in Lakes Travis and Buchanan dropping to 900,000 acre-feet in late summer 2011. Water use restrictions achieved their intended effect, as water use has declined significantly during their imposition; however, water use declined more than forecasted by the Water and Wastewater Utility for fiscal years 2012 through 2014. Significant rainfall in 2015 increased the combined storage of Lakes Travis and Buchanan to 2.04 million acre feet as of May 2016. After extensive outreach and community input, the City implemented a modified conservation stage on May 18, 2016. Under the new conservation stage restrictions, customers are permitted to water their landscapes twice-per-week with hose end sprinklers and once-per-week with automatic irrigation systems. See "COMBINED WATER AND WASTEWATER SYSTEM INFORMATION – Water and Wastewater Rates" in this document.

Inclining block rates, implemented April 1, 1994, are designed to promote water conservation by single family residential customers. Seasonal rates implemented in 2000 for commercial and multifamily customers are also designed to promote water conservation. Also see "COMBINED WATER AND WASTEWATER SYSTEM INFORMATION – Water Reuse Facilities" in this document.

Additionally, in November 2018, the City Council adopted the Water Forward Plan (the "Water Forward Plan"), the City's 100-year integrated water resource plan, intended to ensure a diversified, sustainable, and resilient water future. The Water

Forward Plan's strategies include increased water conservation, use of alternative water sources (for example, use of rainwater harvesting, greywater reuse, and air conditioner condensate reuse, among other strategies), increased reclaimed water reuse, aquifer storage and recovery and others.

The City has senior water rights and also firm water supply agreements with the LCRA that provide the City with firm water supplies of up to 325,000 acre-feet per year. LCRA's operations and management of the water stored in Lakes Travis and Buchanan, the region's major water supply reservoirs, is guided by the LCRA Water Management Plan ("WMP"), a document approved by the TCEQ. In November 2015, TCEQ approved an updated WMP that governed LCRA's operation and management of the lakes during the 2016 crop irrigation season, which began in March 2016. LCRA supplies water to firm customers like the City, industries, power plants and other cities. Also, when interruptible water is available, in accordance with LCRA's WMP, LCRA also supplies interruptible water to downstream agricultural irrigation operations in the lower three counties in the lower Colorado River Basin. The updated LCRA WMP better protects the water supply for firm customers, including the City, and allows LCRA to more quickly adapt its operations as drought conditions change. Revisions include incorporating procedures for curtailing interruptible water such that combined storage in Lakes Travis and Buchanan is maintained above 600,000 acre-feet through a repeat of historic drought conditions through 2013. The revised plan also incorporates a three-tier regime that considers inflows, current storage, and modeled future storage conditions in determining water availability given to interruptible agricultural customers. Additionally, availability of interruptible stored water will be determined separately for each of the two crop seasons, rather than having the determination made once for both crop seasons, as was the case in the previous WMP. The revised WMP also places volumetric limits on the amount of interruptible stored water to be made available for use. City representatives worked diligently through the critical LCRA WMP revision process to proactively ensure reservoir management of Lakes Travis and Buchanan is consistent with the City's firm water interests and with LCRA's lake permit duties and firm customer agreements. In early 2019 LCRA submitted to TCEQ for review and approval a 2018 update to the LCRA WMP. TCEQ approved the "2020 LCRA WMP" in early 2020.

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## Water Storage and Pumping Facilities

In addition to the water treatment plants, the City owns and operates the following storage facilities and major water pump stations as part of the Water and Wastewater System.

<u>North System</u>	<u>Total Storage Capacity (Millions of Gallons)</u>	<u>Firm Pumping Capacity (Gallons per Minute)</u>
Anderson Mill (1)	3	7,600
Anderson Mill NWC	1.5	n/a
Avery Ranch (1)	3	n/a
Capital of Texas (1)	0.5	n/a
East Austin	12	37,800
Forest Ridge	3	8,000
Four Points (1) (Elevated)	1	n/a
Four Points (Ground)	7	7,800
Guildford Cove	0.275	1,000
Howard Lane 1	10	50,000
Howard Lane 2	10	See above
Jollyville	11	49,800
Lookout Lane	0.3	800
Martin Hill (1)	34	n/a
North Austin	10	39,800
Pond Springs (1)	3	n/a
Spicewood Springs	10	58,000
Suntree (1) (Elevated)	0.5	n/a
<u>South System</u>		
Allen Road	n/a	Lost Creek – 2,000 Barclay – 3,000
Barclay Road	0.5	3,000
Center Street	8	31,400
Davis Lane 1	10	39,500
Davis Lane 2	10	See above
LaCrosse (1)	3	n/a
Leuthan Lane	3	SWB – 6,950 SWC – 2,700
Lost Creek 1	0.500	890
Lost Creek 2	0.750	See above
Mt. Larson	0.1	100
Never Bend Cove	0.06	1,599
Pilot Knob	10	15,800
Slaughter Lane	6	SWB – 15,000 SWC – 5,400
Thomas Springs (1) (Elevated)	1.25	n/a
Westlake Drive	0.01	500

(1) Storage only, no pumps.

Source: Austin Water.

## Historical Water Pumpage

The following table summarizes historical demand and maximum day water pumpage from fiscal years 2011 through 2020.

<u>Fiscal Year</u>	<u>Total Pumpage (Millions of Gallons)</u>	<u>Percent Change</u>	<u>Maximum Day Pumpage (Millions of Gallons)</u>
2011	52,824	20.5%	231
2012	47,094	(10.8)%	203
2013	45,902	(2.5)%	183
2014	43,239	(5.8)%	184
2015	43,481	0.6%	207
2016	44,661	2.7%	198
2017	47,371	6.1%	204
2018	48,818	2.4%	203
2019	47,294	(2.5)%	209
2020	51,121	0.1%	215

Source: Austin Water.

## Projected Water Pumpage

The following table, based on actual operating experience, summarizes the annual treated water pumpage and maximum day pumpage projected by Austin Water. The figures in the following table include projected savings from the water conservation plan implementation; maximum day pumpage estimates include a 10% dry condition variation factor. Figures are subject to change pending adjustments by Austin Water.

<u>Fiscal Year</u>	<u>Total Pumpage (Millions of Gallons)</u>	<u>Maximum Day Pumpage (Millions of Gallons)</u>
2021	52,272	219
2022	51,256	215
2023	51,720	216
2024	52,190	218
2025	52,664	220
2026	53,142	222

Source: Austin Water.

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## Information Concerning Water Sales

Fiscal Year Ended September 30										
	<u>2016</u>		<u>2017</u>		<u>2018</u>		<u>2019</u>		<u>2020</u>	
	<u>Average #</u> <u>of</u> <u>Customers</u>	<u>Thousand</u> <u>Gallons</u>	<u>Average #</u> <u>of</u> <u>Customers</u>	<u>Thousand</u> <u>Gallons</u>	<u>Average #</u> <u>of</u> <u>Customers</u>	<u>Thousand</u> <u>Gallons</u>	<u>Average #</u> <u>of</u> <u>Customers</u>	<u>Thousand</u> <u>Gallons</u>	<u>Average #</u> <u>of</u> <u>Customers</u>	<u>Thousand</u> <u>Gallons</u>
Thousand Gallons Pumped		44,687,336		47,312,289		48,520,957		47,294,234		51,153,795
Less: Sales to Other Water Utilities (1)		<u>2,487,912</u>		<u>2,665,026</u>		<u>2,621,961</u>		<u>2,333,519</u>		<u>2,533,085</u>
Thousand Gallons to System		<u>42,199,424</u>		<u>44,647,263</u>		<u>45,898,996</u>		<u>44,960,715</u>		<u>48,620,710</u>
Water Sales:										
Retail (2)	224,956	36,657,742	228,332	37,902,093	232,324	38,143,134	236,249	37,015,036	240,859	39,246,347
City Departments	<u>610</u>	<u>598,089</u>	<u>619</u>	<u>601,601</u>	<u>621</u>	<u>678,923</u>	<u>609</u>	<u>665,816</u>	<u>601</u>	<u>659,012</u>
Total Sales to Ultimate Consumer	<u>225,566</u>	<u>37,255,831</u>	<u>228,951</u>	<u>38,503,694</u>	<u>232,945</u>	<u>38,822,057</u>	<u>236,858</u>	<u>37,680,852</u>	<u>241,460</u>	<u>39,905,359</u>
Used by Water Utility		58,291		54,528		41,248		62,370		60,010
Other Unmetered Usage		1,313,808		1,390,981		1,412,287		1,390,450		1,503,922
Loss and Unaccounted For		<u>3,571,494</u>		<u>4,698,060</u>		<u>5,139,404</u>		<u>5,827,043</u>		<u>7,151,419</u>
Thousand Gallons to System		<u>42,199,424</u>		<u>44,647,263</u>		<u>45,414,996</u>		<u>44,960,715</u>		<u>48,620,710</u>
Maximum Daily Consumption		197,568		203,834		195,902		207,824		207,051
Average Daily Consumption		108,887		112,791		113,545		109,628		116,270

(1) Includes sales to all wholesale customers.

(2) Includes residential, multifamily, commercial, and industrial customers.

Source: Austin Water.

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## Large Water Customers

### Water and Wastewater Utility Large Water Customers (1) Five Year Comparative Data (2016-2020)

Fiscal Year Ended September 30 (Gallons and Dollars in Thousands)										
	<u>2016</u>		<u>2017</u>		<u>2018</u>		<u>2019</u>		<u>2020</u>	
	<u>Gallons</u>	<u>Revenue</u>	<u>Gallons</u>	<u>Revenue</u>	<u>Gallons</u>	<u>Revenue</u>	<u>Gallons</u>	<u>Revenue</u>	<u>Gallons</u>	<u>Revenue</u>
Samsung Austin Semiconductor	1,975,811	\$12,601	2,184,016	\$14,627	2,317,298	\$13,913	2,263,875	\$11,016	2,381,854	\$13,071
Travis County WCID #10	774,588	2,569	822,205	2,125	839,323	2,775	732,154	4,391	857,011	2,823
NXP USA INC (Formerly Freescale, Inc.)(2)	676,043	4,235	529,506	4,164	610,488	3,770	647,122	3,152	638,932	3,739
University of Texas (3)	805,549	6,046	804,756	6,296	777,696	5,158	728,455	2,003	600,813	3,954
Wells Branch MUD	464,228	1,452	480,115	1,231	483,764	1,520	414,951	1,082	464,917	1,467
North Austin MUD #1	394,365	1,306	425,839	1,170	416,336	1,347	373,305	1,026	404,437	1,314
Cypress Semiconductor (Formerly Spansion)	304,672	1,996	319,139	2,123	329,873	2,483	299,131	2,227	348,349	2,088
Northtown MUD	287,294	891	290,888	695	296,842	916	270,556	701	307,718	945
Austin Independent School District (4)	318,036	2,615	340,342	2,795	343,591	2,119	313,089	1,627	242,568	1,907
Mid America Apartments LP (5)	-	-	141,145	939	185,075	1,037	204,572	1,083	234,555	1,226
Total:	<u>6,000,586</u>	<u>33,711</u>	<u>6,337,951</u>	<u>36,165</u>	<u>6,600,286</u>	<u>35,038</u>	<u>6,247,210</u>	<u>28,308</u>	<u>6,481,154</u>	<u>32,534</u>
Texas Facilities Commission (6)	224,909	\$1,695	229,063	\$1,695	193,194	\$1,343	176,940	\$1,205	182,299	\$1,246

(1) Reflects the ten largest water customers from the most recent fiscal year; previous fiscal years' totals are based on the current list of ten largest customers.

(2) Includes east Austin and west Austin plant sites.

(3) Includes all accounts.

(4) Includes all locations.

(5) 2019 was the first year that Mid America Apartments LP was a top 10 customer; 2017 is the first year data was collected.

(6) The Texas Facilities Commission was not a top 10 water customer in 2019 and 2020; totals for the Texas Facilities Commission include all locations and data as a top 10 water user from 2016-2018.

Source: Austin Water.

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## WASTEWATER SYSTEM

### Service Area

Austin Water provides wastewater service to customers within the corporate limits of the City and portions of Travis and Williamson Counties outside of the City. The City has entered into wholesale service contracts with four MUDs, one WCID, and the cities of Manor, Rollingwood, Sunset Valley, and West Lake Hills.

### Facilities

Austin Water has two main wastewater treatment plants with a total permitted capacity of 150 mgd, one biosolids treatment and beneficial reuse facility, over 2,948 miles of sanitary wastewater mains and lines, and 143 city-owned, in-service lift stations. The two treatment plants are the Walnut Creek Wastewater Treatment Plant, which began operations in 1977, is currently operating in the 75 mgd phase with permitted capacity up to 100 mgd after expansion. The South Austin Regional Wastewater Treatment Plant, which started operating in 1986, is currently operating in the 75 mgd phase. The Hornsby Bend Biosolids Treatment Plant operates as a sludge treatment and beneficial reuse facility and was placed in operation in 1956. The Hornsby Bend Biosolids Management Plant permit was renewed by TCEQ on April 5, 2019 with an expiration date on April 5, 2024. The Walnut Creek Wastewater Treatment Plant permit was renewed on March 12, 2020, with an expiration date of March 12, 2025. The South Austin Regional Wastewater Treatment Plant permit was renewed on December 19, 2019 with an expiration date of December 19, 2024.

The Walnut Creek Wastewater Treatment Plant is permitted to discharge an average flow of 75 mgd. A 15 mgd upgrade to this plant (which resulted in the plant's current capacity of 75 mgd) was completed in 2004.

The South Austin Regional Wastewater Treatment Plant began operation in April 1986. The plant is now permitted to discharge at a rate of 75 mgd after a 25 mgd upgrade was completed in August 2006.

The Hornsby Bend Biosolids Treatment Plant serves as the City's central biosolids treatment and beneficial reuse facility. Waste biosolids from the Walnut Creek and the South Austin Regional plants are pumped to Hornsby Bend for treatment and beneficial reuse. Biosolids received at Hornsby Bend are thickened, anaerobically digested, mechanically dewatered using belt presses for beneficial reuse through on-site and off-site agricultural land application, and composted for marketing and distribution. Excess water from thickeners, anaerobic digesters and belt presses is treated in a side-stream treatment plant and polished by treatment in large on-site ponds. A greenhouse enclosed aquaculture pond is used to treat the pond water before it is used for irrigation on utility-owned land at the site. Major improvements recently completed at Hornsby Bend include upgrades to sludge thickening, anaerobic digestion, dewatering, and composting facilities. Methane generated during the anaerobic digestion is used to heat the digesters and generate enough electricity to power Hornsby Bend. Excess electricity goes to the power grid. A Center for Environmental Research was established in 1989 at Hornsby Bend with the cooperation of the City, The University of Texas at Austin and Texas A&M University. The City provides laboratory, offices and research facilities at Hornsby Bend for the two universities to conduct environmental research.

In December 2009, the City purchased an operating interest in a regional wastewater collection and treatment system (the Brushy Creek Project) from LCRA for approximately \$12 million. The City pays its portion of capital expansions and operations and maintenance costs on an annual basis, and reserves sufficient wastewater capacity to adequately serve all of the area inside the City's jurisdiction within the Brushy Creek watershed. The cities of Austin, Round Rock, Leander and Cedar Park all own joint interests in the wastewater system. The City of Round Rock operates and maintains the system for the cities.

Stormwater is collected in an entirely separate gravity-fed storm wastewater system and is segregated from the sanitary wastewater system. The storm wastewater system is operated and maintained by the City's Watershed Protection Department.

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## Lift Stations

In addition to the wastewater treatment plants, Austin Water owns and operates numerous lift stations. The following table shows the capacity of the four largest lift stations.

<u>Name</u>	<u>Firm Capacity (Gallons per Minute)</u>
Boggy Creek East	22,500
SAR Transfer	10,000
Tracor	5,580
Four Points #2	3,740

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Source: Austin Water.

## Historical Wastewater Flows

The following table summarizes the historical influent wastewater flows to the City's wastewater treatment facilities from fiscal years 2011 through 2020.

<u>Fiscal Year</u>	<u>Total Wastewater Flow (Millions of Gallons)</u>	<u>Percent Change</u>
2011	32,946	(11.6)
2012	37,756	14.6
2013	34,813	(7.8)
2014	37,298	7.1
2015	40,711	9.2
2016	41,676	2.4
2017	37,804	(9.3)
2018	35,996	(4.8)
2019	42,176	17.2
2020	36,127	(14.3)

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Source: Austin Water.

## Projected Wastewater Flows

The following table, based on actual operating experience, summarizes the annual influent wastewater flows projected to be received at Austin Water's wastewater treatment plants. Figures are subject to change pending adjustments by Austin Water.

<u>Fiscal Year</u>	<u>Total Wastewater Flow (Millions of Gallons)</u>
2021	41,348
2022	42,056
2023	42,774
2024	43,573
2025	44,500
2026	44,858

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Source: Austin Water.



## COMBINED WATER AND WASTEWATER SYSTEM INFORMATION

### Future Capital Improvements for Water and Wastewater System

Austin Water's proposed FY 2022-2026 capital spending plan requires approximately \$1,087.9 million of funding for system improvements. The future water and wastewater system improvements included in the five-year capital spending plan include treatment facilities, reservoir, pump station and lift station improvements, and major transmission distribution and collection improvements. Austin Water anticipates financing such improvements with: (1) the issuance of \$485 million additional Parity Water/Wastewater Obligations (including refunding of commercial paper issued to provide interim financing for such improvements); (2) the application of \$356 million of anticipated transfers from current Water and Wastewater System revenues and amounts on hand; and (3) an estimated \$244 million in low-interest loan assistance from the Texas Water Development Board (the "TWDB"). **Concurrent with the delivery of the Bonds, the City anticipates issuing an aggregate par amount of \$71.1 million of Parity Water/Wastewater Obligations – to be issued as three separate low-interest loans through the TWDB – which are each anticipated to close on or about November 17, 2021.**

***TWDB Swift Funding...*** The City submitted its State Water Implementation Fund for Texas ("SWIFT") applications to the TWDB in fiscal year 2016 for the purposes of obtaining low-interest rate loans for the following projects: (1) development and implementation of Advanced Metering Infrastructure ("AMI") also known as the smart meter system for Austin Water and (2) multiple capital improvement projects associated with reclaimed water systems. Funding to the City under the SWIFT program was approved by the TWDB in 2016, and loan closings to-date are \$63.8 million for projects associated with reclaimed water systems and \$26.2 million for AMI, as Parity Water/Wastewater Obligations issued by the City. Anticipated future loan closings through TWDB include multi-year commitments for AMI over the next four years which will total an additional \$54 million in loan proceeds. **The City's anticipated November 2021 issuance of \$18.0 million of Series 2021C Bonds (additional Parity Water/Wastewater Obligations), which is scheduled to close on or about November 17, 2021, will be financed through the TWDB's SWIFT program.**

***TWDB SRF Funding...*** The City submitted its Clean Water State Revolving Fund ("CWSRF") and Drinking Water State Revolving Fund ("DWSRF") applications to the TWDB in fiscal year 2019. In February 2020, the City was awarded funding from the TWDB, in the form of low-interest CWSRF and DWSRF loans, for a combined total of \$120.83 million, of which \$67.83 million is for water and \$53 million is for wastewater infrastructure projects. The SRF loan financings will be structured as parity water/wastewater obligations of the City privately placed with the TWDB. The City closed on its first such SRF loans in February 2020 in an aggregate par of \$15.0 million (with series designations 2020A Bonds and Series 2020B Bonds). The second round of loans closing occurred early this year in January 2021 for the combined amount of \$19.8 million (series designations 2021A Bonds and 2021B Bonds). **The City's anticipated November 2021 issuance of Series 2021D (CWSRF) and Series 2021E (DWSRF) Bonds (also additional Parity Water/Wastewater Obligations in a combined par amount of \$53.1 million) are scheduled to close on or about November 17, 2021 and will be financed through the TWDB's SRF program.**

### Services Financed by Utility Districts

On August 19, 1981, the City Council enacted an ordinance establishing the basic requirements for the City's consent to the creation of a district (e.g., a MUD, WCID or fresh water supply district) created under State law for the purpose of supplying water and/or wastewater service to land within the extraterritorial jurisdiction or the city limits of the City. That ordinance has been modified, over time, by the City's enactment of its Land Development Code, which contains provisions relating to the City's consent to the creation of districts. On February 2, 1984, the City Council adopted a resolution that established City policy with regard to the creation of MUDs.

Districts use ad valorem taxes, fees and charges, and water and/or wastewater revenues as a financing mechanism for development of land.

Under the current process, the City consents to the formation of a district by approval of a consent ordinance, a consent agreement, strategic partnership agreement, and if necessary, a utility construction agreement. These agreements among the City, the petitioners seeking formation of the district and the district itself establish a detailed set of requirements and policy statements governing the construction within, operation of and issuance of bonds by that district.

Under the strategic partnership with the district, the district may be annexed separately and dissolved by the City. Upon annexation and dissolution of a district, the City would assume the district's outstanding debts and other obligations, which pursuant to State law would become payable from ad valorem taxes levied and collected within the City, water and/or wastewater utility revenues and, in some cases, a surcharge fee assessed by the City to utility users within the boundaries of the annexed district. Upon annexation, the City is empowered to issue any authorized but unissued bonds of the district and to use the proceeds for improvements within the annexed district. Alternatively, some types of districts may be annexed, but not dissolved. In those instances, the City would be required only to provide services that the district does not provide and the City would not assume the district's outstanding debt.

The City has annexed multiple MUDs since December 1997. At the time of annexation, these MUDs are converted to retail customers and the City assumes their outstanding utility system debt, if any.

In February 2011, the City Council approved a resolution that superseded the existing resolution with regard to the policy and general criteria under which the City Council will consider requests to create MUDs. The policy states that the City Council shall consider the following criteria: adherence to the comprehensive plan; extension of public infrastructure with MUD or developer financing; affordable housing; environmental improvement; public transportation facilities; open space; green building; development standards; amenities; school and public safety sites; City provision of water and wastewater services; and financial viability.

The City's MUD policy provides for consideration of extraordinary public benefits, superior development, and enhancement of other City interests when negotiating a consent agreement. Ten new MUDs were subsequently created; during the 2011 and 2013 legislative sessions, conditioned upon the City entering into a consent agreement with each existing MUD at that time. Each MUD's enabling legislation also allows continuation of the district as a "limited district" (to operate and maintain certain assets such as parks or enforce deed restrictions) after full-purpose annexation by the City if the district and the City enter into a strategic partnership agreement. If the City did not consent to the creation of the district or enter into such agreements as are required by the terms of the City's consent ordinance, the MUDs would have been dissolved.

Following staff and board and commission review, in March 2012, the City Council conducted public hearings and approved ordinances consenting to the creation of the nine MUDs. Subsequently, the City Council conducted public hearings regarding a strategic partnership agreement with each of the MUDs and executed Strategic Partnership Agreements with each of the nine MUDs.

In 2015 and 2017, the City annexed two additional MUDs and assumed their outstanding utility system debt.

Since 2017, the City has not annexed any additional MUDs. For additional information on the City's annexation program, see "THE CITY – Annexation Program," "Recent Annexation" and "Future Annexation" in this document.

### **Water Reuse Facilities**

The City has implemented a water reclamation initiative to develop facilities and processes to make purified wastewater effluent available for irrigation, manufacturing, toilet flushing, and cooling uses. The water reuse facilities operated as part of the Water and Wastewater System include three pump stations, two pressure zones with a boosted area, four water storage facilities with 7.5 MG in storage, and 72.8 miles of mains. An additional 10.2 miles of mains are in design or under construction. The water reuse facilities presently serve a total of 152 metered customers.

Customer demand is highly dependent on weather conditions. In calendar year 2020, customers used 1.55 billion gallons of reclaimed water. Efforts to promote the use of reclaimed water focus on existing large-volume commercial and industrial potable water users that can convert a portion of their use of treated potable water to reclaimed water. The water reuse facilities extend from the eastern edge of the City, where the reclaimed water originates at the wastewater treatment plants, to the center of the City, where most of the reclaimed water customers are located.

### **Water and Wastewater Rates**

As a result of persistent drought conditions affecting the service area of the Water and Wastewater Utility, significant water use restrictions were imposed on the customers served by the Water and Wastewater Utility beginning in September 2011. These water use restrictions achieved their intended effect, as water use has declined significantly since their imposition;

however, water use declined more than forecasted by the Water and Wastewater Utility for fiscal years 2012 through 2014, which resulted in lower than forecasted Gross Revenues during that period. See “WATER SYSTEM – Water Use Management Plan and LCRA Water Management Plans” in this document.

In fiscal year 2014, the Water and Wastewater Utility implemented a fixed revenue goal of 20%, new volumetric rates and block intervals. A revenue stability reserve fund (the “Water Revenue Stability Reserve Fund”) was established to help cover costs during extreme weather or economic events. The Water Revenue Stability Reserve Fund is an account within the Water Fund that is funded by a volumetric surcharge applied both to retail and wholesale monthly bills, which became effective in February 2013. See “COMBINED WATER AND WASTEWATER SYSTEM INFORMATION – Water Service Rates” in this document. The Water Revenue Stability Reserve Fund exists separate and distinct from the Water and Wastewater Utility Reserve Fund established by the Water and Wastewater Utility Master Ordinance. The target funding level for the Water Revenue Stability Reserve Fund is 120 days of the budgeted water operating requirements of the Water and Wastewater Utility, which includes operations and maintenance, and other operating transfers, but excludes debt service and other transfers. In the event that any portion of the Water Revenue Stability Reserve Fund is used, the balance will be replenished to the target level within 5 years. Upon creation of the Water Revenue Stability Reserve Fund, the goal to reach the target funding level of 120 days of budgeted water operating requirements was no later than 5 years. If the fund is drawn down prior to reaching the 120 day target during the first 5-year development period, the reserve fund surcharge shall not be lower than it was during the year in which the draw down occurred until such time as the fund reaches its 120 days of operating costs. Moneys in the Water Revenue Stability Reserve Fund are Gross Revenues of the Water and Wastewater Utility under the Master Ordinance. The Water Revenue Stability Reserve Fund cannot be used for purposes other than for water operating purposes of the Water and Wastewater Utility, is primarily intended to pay operating expenses or debt service on Parity Water/Wastewater Obligations related to water purposes, and may only be used to offset current year shortfalls in gross revenues of water operations that exceed 10% of budgeted levels. The City Council must approve any use of funds in the Water Revenue Stability Reserve Fund, no more than 50% of the balance would be used in any one year, and, if used, the Water Revenue Stability Reserve Fund balance will be replenished to the 120-day level within a five-year period.

As of June 30, 2021, the balance of the Water Revenue Stability Reserve Fund was \$52.1 million and fully funded. The balance of the Water Revenue Stability Reserve Fund is forecasted to be \$53.4 million by September 30, 2021. No assurance can be given that these forecasted balances will remain at the 120-day goal; however, the volumetric surcharge for the Water Revenue Stability Reserve Fund has been reduced to a level to maintain the 120 days of Operating Expenses funding goal. As of the date of this document, the Water and Wastewater Utility has not drawn any moneys from the Water Revenue Stability Reserve Fund. Notwithstanding the foregoing policy restrictions of the City currently in effect with respect to the use of moneys within the Water Revenue Stability Reserve Fund, the provisions of the separate Water and Wastewater Master Ordinance regarding the use of moneys on deposit in the Water Fund (including the Water Revenue Stability Reserve Fund (in this document) govern and control.

As the financial position of the Water and Wastewater Utility continues to improve, the Water and Wastewater Utility implemented a 4.8% combined rate reduction for the fiscal year ending September 30, 2018. Additionally, in its efforts to maintain level debt service costs, the Water and Wastewater Utility has defeased portions of outstanding Parity Water/Wastewater Obligations; the defeasances, which were funded with Capital Recovery Fee collections and operating funds, have allowed the Water and Wastewater Utility to realize approximately \$199.5 million in net present value savings in the last three fiscal years. As a result of continued debt management efforts, the Water and Wastewater Utility implemented a zero-percent rate increase for FY 2018-2019 for the first time in several years.

While projected gross revenues of the Water and Wastewater Utility have declined since the imposition of the water use restrictions in September 2011, there has not been an unanticipated increase in debt service on Parity Water/Wastewater Obligations or in operating expenses of the Water and Wastewater System since fiscal year 2012, when the water use restrictions were imposed. The Water and Wastewater Utility prepares a five-year financial forecast each year as part of the City’s forecast and budget development process, which includes a City Council-approved policy to forecast gross revenues and operating expenses that will provide for at least 1.5 times debt service coverage for the Parity Water/Wastewater Obligations by Net Revenues of the Water and Wastewater System. The proposed fiscal year 2022 budget prepared by the Water and Wastewater Utility in May 2021 projects debt service coverage levels in fiscal year 2021 of 1.63 times debt service coverage, increasing to 1.82 times debt service coverage by fiscal year 2022; the forecasted coverage levels assume that rate increases will be implemented at various times during the forecast period. No assurance can be given that these debt service coverage levels will be achieved.

On April 9, 2020 and in response to the impact of the Pandemic, the City Council approved a 10% rate reduction of tiers 1, 2 and 3 for water volume rates and tiers 1 and 2 for wastewater volume rates, for both of the CAP customer rates and residential Non-CAP customer rates. These temporary rates were effective through October 31, 2020. The current Non-CAP rates that were effective November 1, 2019 resumed November 1, 2020. The CAP customer 10% rate reduction will remain in effect throughout FY 2021 and FY 2022 (See “COMBINED WATER AND WASTEWATER SYSTEM INFORMATION – Water Service Rates” in this document).

Any increase in the rates, charges or fees for water and wastewater services furnished by the Water and Wastewater System must be approved by the City Council. As a result of the Water and Wastewater Utility's annual budgeting process for the 2021 fiscal year, a zero-percent rate increase was approved for a majority of the retail customer rates except for non-CAP rates, which will return to pre-COVID 19 rates. Any rate increase approved by City Council as part of the fiscal year 2022 approved budget would not take effect prior to November 1, 2021. The City is committed to complying with the agreements and covenants of the City in the Prior Subordinate Lien Ordinance and the Master Ordinance with respect to establishing, maintaining and collecting rates, charges and fees for water and wastewater services furnished by the Water and Wastewater System. See “DESCRIPTION OF THE BONDS – Bondholders’ Remedies,” “SECURITY FOR THE BONDS – Rate Covenant Required by Prior Subordinate Lien Ordinance” and “– Rate Covenant Required by Master Ordinance” in this document. See also, Section 4 of “APPENDIX C – COPY OF MASTER ORDINANCE” and “Rates and Charges” in “APPENDIX D – SELECTED MODIFIED PROVISIONS FROM ORDINANCES RELATING TO PRIOR SUBORDINATE LIEN OBLIGATIONS” in this document.

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The following schedules present the monthly retail and wholesale customer water and wastewater rates.

**Water Service Rates** (Effective as of November 1, 2020)

**Monthly Customer Charges**

<u>Customer Account Charge</u>	<u>Meter Size</u>	<u>Retail Equivalent Meter Charge per Month (1)</u>	<u>Multifamily Charge per Month (2)</u>	<u>Commercial Charge per Month (2)</u>
Retail Customer Account Charge(\$/Month)	5/8	\$7.25	\$12.50	\$8.75
	3/4	10.60	21.00	15.00
	1	13.60	33.00	23.00
	1½	15.50	42.00	29.00
	2	25.40	83.00	58.00
	3	75.10	292.00	204.00
	4	124.80	500.00	350.00
	6	253.80	1,042.00	729.00
	8	482.20	2,000.00	1,400.00
	10	760.20	3,167.00	2,217.00
	12	998.40	4,167.00	2,917.00
<b>Volumetric Surcharge</b>				
		<u>Retail per 1,000 Gals. (3)</u>	<u>Wholesale per 1,000 Gals. (3)</u>	
Water Revenue Stability Reserve Fund Surcharge		\$0.05	\$0.10	
<b>Community Benefit Charge</b>				<u>Wholesale per 1,000 Gals. (5)</u>
				\$0.15
<b>Residential Monthly Tiered Minimum Charge</b>		<u>Min. Charge per Month (4)</u>		
0 – 2,000 Gallons		\$ 1.25		
2,001 – 6,000 Gallons		3.55		
6,001 – 11,000 Gallons		9.25		
11,001 – 20,000 Gallons		29.75		
20,001 – Over Gallons		29.75		
<b>Large Volume Fixed Minimum Charge</b>		<u>Min. Charge per Month (2)</u>		
NXP - Ed Bluestein (formerly Freescale)		\$29,250.00		
NXP - W. William Cannon (formerly Freescale)		21,400.00		
Samsung		121,100.00		
Skorpios (formerly Novati)		4,250.00		
Cypress (formerly Spansion)		22,800.00		
University of Texas		16,350.00		

- (1) Charge is applied to all customer classes.
- (2) Fee is charged in addition to the Retail Equivalent Meter Charge.
- (3) Surcharge is assessed to all water customers per 1,000 gallons of water billed for the billing period to fund the Water Revenue Stability Reserve Fund. See “COMBINED WATER AND WASTEWATER SYSTEM INFORMATION – Water and Wastewater Rates” in this document.
- (4) Fee charge per 1,000 gallons of water and wastewater billed for the billing period to fund the CAP. Fee only applies to retail customers.
- (5) Fee is charged in addition to the Retail Equivalent Meter Charge and is applied based on the total billed consumption for the billing period as it falls within the rate block, not as a volumetric charge per 1,000 gallons.

Source: Austin Water.

## Volume Unit Charge (1)

	Charge per 1,000 Gals.
<b>Single-Family Residential (Non-CAP) (2)</b>	
0 – 2,000 Gallons	\$ 2.89
2,001 – 6,000 Gallons	4.81
6,001 – 11,000 Gallons	8.34
11,001 – 20,000 Gallons	12.70
20,001 – Over Gallons	14.21
<b>Single-Family Residential (CAP) (2)</b>	
0 – 2,000 Gallons	1.23
2,001 – 6,000 Gallons	3.65
6,001 – 11,000 Gallons	4.53
11,001 – 20,000 Gallons	11.51
20,001 – Over Gallons	14.21
<b>Multifamily (3)</b>	
Off Peak	4.53
Peak	5.00
<b>Commercial (3)</b>	
Off Peak	5.27
Peak	5.66
<b>Large Volume (3)</b>	
NXP – Ed Bluestein (formerly Freescale)	
Off Peak	4.67
Peak	5.16
NXP – W. William Cannon (formerly Freescale)	
Off Peak	4.73
Peak	5.23
Samsung	
Off Peak	4.69
Peak	5.18
Skorprios (formerly Novati)	
Off Peak	4.96
Peak	5.48
Cypress (formerly Spansion)	
Off Peak	5.00
Peak	5.52
University of Texas	
Off Peak	5.27
Peak	5.66

(1) Wholesale unit charges vary between \$3.89 and \$5.68 per 1,000 gallons.

(2) The City has approved an inclining block rate structure to promote water conservation for Single Family Residential customers. These rates will be administered on the basis of 1,000 gallon increments. See “COMBINED WATER AND WASTEWATER SYSTEM INFORMATION – Water and Wastewater Rates” in this document.

(3) Off Peak: November 1 – June 30 bills. Peak: July 1 – October 31 bills.

Source: Austin Water.

## Wastewater Service Rates (Effective as of November 1, 2020)

### Customer Account Charge

	<u>Retail Customers</u>	<u>Wholesale Customers</u>
Customer Account Charge (\$/month)	\$10.30	\$10.30

### Community Benefit Charge

<u>Charge per 1,000</u>
<u>Gallons (3)</u>
\$0.15

### Volume Unit Charge (1)

	<u>Unit Cost per 1,000 Gallons (2)</u>
Retail	
Single-Family	
0 - 2,000 Gallons	\$ 4.85
2,001 - Over Gallons	9.94
Single-Family Customer Assistance Program (3)	
0 - 2,000 Gallons	\$ 3.11
2,001 - Over Gallons	7.90
Multifamily	\$ 8.93
Commercial	\$ 8.95
Large Volume:	
NXP – Ed Bluestein (formerly Freescale)	\$ 8.52
NXP – W. William Cannon (formerly Freescale)	8.66
Samsung	7.75
Skorpio's Technology	7.74
Cypress	7.90
University of Texas	8.95

(1) Wholesale unit charges vary between \$3.80 and \$5.71 per 1,000 gallons.

(2) Applied to average water consumption during December, January and February billing periods, or actual water consumption, whichever is lower.

(3) Fee is charged per 1,000 gallons of wastewater billed for all retail customers.

Source: Austin Water.

The combined water and wastewater minimum charge and volumetric service rates effective as of November 1, 2020 were unchanged from the prior year.

### Wholesale and Outside City Rate Challenges

The City Council has original jurisdiction over Water and Wastewater rates. State law, however, does allow water districts and any customers outside city boundaries to appeal the City's water and wastewater rates to the Public Utilities Commission of Texas ("PUCT").

On April 12, 2013, four of the Water and Wastewater Utility's wholesale water customers submitted a water rate petition challenging the City's wholesale water rates to the TCEQ. In their petition, the four wholesale customers (North Austin MUD, Northtown MUD, Travis County WCID #10 (Westlake), and Wells Branch MUD) alleged that the City's wholesale rates were not just or reasonable. The petition alleged the new rates disproportionately increased the monthly fixed charges; collected for costs unrelated to water service; discouraged conservation; and unfairly burdened commercial and large volume customers. The petition also asked the TCEQ to set interim rates while the appeal was pending.

The TCEQ reviewed the petition and recommended referral to the State Office of Administrative Hearings. The hearing concluded in February 2015 and the City received a final ruling from the PUCT in November 2015, which found in favor of the petitioners. The City filed a Motion for Rehearing with the PUCT, which was denied in February 2016. Subsequently, the City filed an appeal in Travis County District Court in March 2016. A hearing in the Travis County District Court was held in May 2017. In the final letter decision, the District Court Judge affirmed the PUCT final order.

On April 15, 2019, Austin Water filed an application to the PUCT for authority to change water and wastewater rates for the four wholesale water petitioners. The City withdrew this application on December 2, 2019. The case was dismissed on January 10, 2020.

The four wholesale water customers represented \$6.3 million, or 2.1%, of the approximate \$300.5 million annual water revenue for fiscal year 2020

### Water and Wastewater Capital Recovery Fees

On September 3, 1982, the City Council adopted an ordinance under which all new non-industrial and non-commercial customers of the Water and Wastewater System must pay a Capital Recovery Fee at the time that the customer's new tap is purchased. The fee has been revised a number of times since that date and is currently applied to all connections added to the Water and Wastewater System unless expressly waived by the City Council. In 1989, the City Council appointed an Impact Fee Advisory Committee and reauthorized the Capital Recovery Fee in compliance with procedures and methodology established by State law. The total Water and Wastewater Capital Recovery Fee was implemented August 5, 1999 and was revised effective October 1, 2018. The revised fees are shown below, and under the terms of the Water and Wastewater System Master Ordinance, such fees do not constitute gross revenues of the Water and Wastewater System. There are a number of express exemptions from payment of these fees. The City's policy is to use Capital Recovery Fee receipts to either service debt, defease debt or finance growth-related capital improvement projects, thus reducing the amount required to be debt financed and saving the Water and Wastewater System the related financing costs. The fees listed below are based on one service unit (5/8" meter).

Fees for lots that were platted between October 1, 2007 and December 31, 2013.

	<u>Water</u>	<u>Wastewater</u>	<u>Total</u>
Drinking Water Protection Zone in the City's extraterritorial jurisdiction	\$2,500	\$1,400	\$3,900
Drinking Water Protection Zone in the City limits	2,200	1,200	3,400
Desired Development Zone in the City's extraterritorial jurisdiction	1,800	1,000	2,800
Desired Development Zone in the City limits	1,000	600	1,600
Urban watersheds	800	500	1,300
Central urban redevelopment combining district area and the area bounded by Lady Bird Lake, Lamar Boulevard, 15 <sup>th</sup> Street, and IH-35	700	400	1,100
Outside of City's extraterritorial jurisdiction	2,500	1,400	3,900

Fees for lots that were platted on or after January 1, 2014 and before October 1, 2018.

	<u>Water</u>	<u>Wastewater</u>	<u>Total</u>
All Areas	\$5,400	\$2,200	\$7,600

Fees for lots that were platted on or after October 1, 2018.

	<u>Water</u>	<u>Wastewater</u>	<u>Total</u>
All Areas	\$4,700	\$2,500	\$7,200



## Analysis of Water Bills

	Fiscal Year Ended September 30				
	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Average Monthly Bill Per Customer - Water					
Residential (1)	\$46.60	\$50.41	\$49.83	\$43.67	\$49.92
Multifamily (1)	946.79	882.93	766.84	704.57	756.41
Commercial (1)	369.49	400.44	359.50	320.16	321.18
Large Volume	306,025.68	335,060.66	317,821.74	297,756.97	293,838.57
City Departments	653.55	660.28	653.60	612.03	513.13
Average Monthly Bill – Above Customers	\$104.61	\$109.90	\$101.95	\$90.88	\$97.34
Sales to Other Water Utilities (2)	\$44,412.60	\$47,174.74	\$47,910.10	\$42,926.88	\$48,396.20
Average Monthly Bill – All Customers	\$107.95	\$113.39	\$105.44	\$93.96	\$100.74
<u>Average Monthly Use in 1,000 Gallons – Water</u>					
Residential (1)	5.78	5.86	5.84	5.24	5.98
Multifamily (1)	135.75	124.12	127.55	123.67	134.81
Commercial (1)	47.27	50.64	49.77	46.64	49.22
Large Volume	48,701.32	51,286.38	51,997.13	52,294.19	51,816.62
City Departments	82.47	81.16	91.59	89.69	94.03
Average Monthly Use – Above Customers	13.86	14.01	13.96	13.03	14.14
Sales to Other Water Utilities (2)	12,092.58	13,046.12	12,930.25	12,768.25	12,768.25
Average Monthly Use – All Customers	14.77	14.98	14.90	13.84	15.04
<u>Average Revenue Per 1,000 Gallons – Water</u>					
Residential (1)	\$8.07	\$8.60	\$8.54	\$8.33	\$8.35
Multifamily (1)	6.97	7.11	6.01	5.70	5.61
Commercial (1)	7.82	7.91	7.22	6.86	6.52
Large Volume	6.28	6.53	6.11	5.69	5.67
City Departments	7.92	8.14	7.14	6.82	5.46
Average Revenue – Above Customers	\$7.55	\$7.84	\$7.30	\$6.97	\$6.88
Sales to Other Water Utilities (2)	\$3.67	\$3.62	\$3.71	\$3.79	\$3.79
Average Revenue – All Customers	\$7.31	\$7.57	\$7.08	\$6.79	\$6.70

(1) Inside and Outside City-limit customers combined.

(2) Includes all Wholesale customers.

Source: Austin Water.

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## Analysis of Wastewater Bills

	Fiscal Year Ended September 30				
	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Average Monthly Bill Per Customer – Wastewater					
Residential (1)	\$ 38.63	\$ 40.02	\$ 38.41	\$ 35.34	\$ 35.29
Multifamily (1)	1,237.57	1,209.90	1,175.46	1,135.09	1,268.46
Commercial (1)	411.21	457.33	431.66	413.43	335.48
Large Volume	273,628.93	299,070.91	330,416.09	299,193.33	295,026.24
City Departments	361.80	522.17	446.47	383.47	359.36
Average Monthly Bill – Above Customers	\$ 96.03	\$ 100.28	\$ 96.14	\$ 89.63	\$ 88.01
Sales to Other Utilities (2)	\$47,413.06	\$49,785.58	\$52,040.32	\$54,713.65	\$53,992.98
Average Monthly Bill – All Customers	\$98.48	\$102.81	\$98.74	\$92.32	\$110.91
Average Monthly Use in 1,000 Gallons – Wastewater					
Residential (1)	\$ 3.87	\$ 3.84	\$ 3.79	\$ 3.53	\$ 3.68
Multifamily (1)	133.96	126.89	126.62	125.95	140.64
Commercial (1)	43.52	47.06	45.77	45.04	36.40
Large Volume	33,944.97	35,456.50	40,110.14	37,394.54	39,603.01
City Departments	36.50	51.26	47.40	41.70	40.15
Average Monthly Use – Above Customers	\$ 10.17	\$ 10.25	\$ 10.12	\$ 9.65	\$ 9.68
Sales to Other Utilities (2)	\$ 9,749.92	\$ 10,391.34	\$ 10,174.46	\$ 9,934.19	\$ 9,659.09
Average Monthly Use – All Customers	\$ 10.68	\$ 10.78	\$ 10.62	\$ 10.14	\$ 10.15
Average Revenue Per 1,000 Gallons – Wastewater					
Residential (1)	\$9.97	\$10.43	\$10.14	\$10.01	\$9.60
Multifamily (1)	9.24	9.53	9.28	9.01	9.02
Commercial (1)	9.45	9.72	9.43	9.18	9.22
Large Volume	8.06	8.43	8.24	8.00	7.45
City Departments	9.91	10.19	9.42	9.20	8.95
Average Revenue – Above Customers	\$8.99	\$9.44	\$9.79	\$9.50	\$9.09
Sales to Other Utilities (2)	\$4.86	\$4.79	\$5.11	\$5.51	\$5.59
Average Revenue – All Customers	\$8.83	\$9.22	\$9.54	\$9.29	\$10.93

(1) Inside and Outside City-limit customers combined.

(2) Includes all Wholesale customers.

Source: Austin Water.

## ELECTRIC UTILITY SYSTEM “AUSTIN ENERGY”

**Management** (as of August 31, 2021)

	<u>Years at City</u>	<u>Additional Years of Experience</u>	<u>Total</u>
General Manager			
Jacqueline Sargent, PE	6	26	32
Deputy General Managers			
Sidney Jackson, <i>Chief Operating Officer</i>	0.6	35	35
Mark Dombroski, <i>Chief Financial and Administrative Officer</i>	7	24	31
Kerry Overton, <i>Chief Customer Officer</i>	20	11	31
Senior Vice President			
Tammy Cooper, <i>Chief Communications &amp; Compliance Officer</i>	1	23	24
Vice Presidents			
Erika Bierschbach, <i>Market Operations and Resource Planning</i>	20	7	27
Gerardo Galvan, <i>Customer Care Services</i>	4	15	19
Elaine Veselka, <i>Customer Account Management</i>	12	12	24
Richard Gécécé, <i>Customer Energy Solutions</i>	0	27	27
William Sweeney, <i>Power Production</i>	29	4	33
Elton Richards, <i>Electric System Field Operations</i>	2	40	42
Thomas Pierpoint, <i>Electric Systems Engineer and Technical Services</i>	2	39	41
Russell Maenius, <i>Finance (Interim)</i>	21	16	37
Greg Flay, <i>Technology &amp; Data (Interim)</i>	5	25	30

### Service Area

The service area for Austin Energy was established by the PUCT pursuant to a certificate of convenience and necessity on April 3, 1978. The City’s service area encompasses 227 square miles within the City itself and approximately 210 square miles of surrounding Travis and Williamson Counties. The establishment of such a service area entitles Austin Energy to provide electric service within this area. As presently constituted, the City’s service area overlaps with approximately 11 square miles of the service area of ONCOR Electric Delivery in Travis and Williamson Counties.

The City may not extend the service area for Austin Energy to an area receiving similar utility service from another utility service provider without first obtaining a certificate of convenience and necessity from the PUCT. The City has no plans to expand its present service area.

### Real Estate Taxes

Austin Energy pays no real property taxes on facilities inside or outside the City.

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### Customer Base – Average Monthly Number of Customers

<u>For the 12-Month Period ended September 30, 2020</u>	<u>Average Monthly Number of Customers</u>	<u>Percent</u>
Residential	454,616	89.55
Commercial	50,135	9.88
Industrial	115	0.02
Public Street & Highway	9	0.00
Governmental Authorities	<u>2,785</u>	<u>0.55</u>
Total Service Area Customers	<u>507,660</u>	<u>100.00</u>

Source: Austin Energy.

### Physical Property

The City either owns or has an ownership interest in a diverse mix of generation sources, including coal, nuclear, natural gas, and biomass facilities. In addition, Austin Energy has renewable energy installations or contracts for purchased power from wind and solar. See “DESCRIPTION OF AUSTIN ENERGY’S PHYSICAL PROPERTY” and “AUSTIN ENERGY’S STRATEGIC PLANS, GOALS AND POLICIES – Austin Energy Resource, Generation and Climate Protection Plan to 2030” in this document.

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## Generation Facilities

As of September 1, 2021, generation facilities wholly or partially owned by Austin Energy and in operation are as follows.

<u>Unit</u>	<u>Year Installed</u>	<u>Nameplate Rating (MW)</u>	<u>Fuel</u>
Fayette Power Project			
Unit No. 1	1979	285.0	Coal
Unit No. 2	1980	285.0	Coal
Decker Power Station			
Unit No. 2 (3)	1977	405.0	Gas
Gas Turbines	1988	200.0	Gas
Sand Hill Energy Center			
Gas Turbines	2001	180.0	Gas
Gas Turbines	2010	90.0	Gas
Combined Cycle	2004	300.0	Gas
MEC CHP (Dell Children's Hospital)	2006	4.6	Gas
South Texas Project Electric Generating Station			
Unit No. 1	1988	200.0	Nuclear
Unit No. 2	1989	200.0	Nuclear
Nacogdoches Biomass Facility	2012	<u>115.0</u>	Biomass
Total Capacity owned by Austin Energy		<u>2,264.6</u>	
Purchased Power (1)(2):			
Skyline Renewables Whirlwind Energy LLC	2007	59.80	Wind
Skyline Renewables RES North America Hackberry Wind, LLC	2008	165.6	Wind
Exelon Whitetail Wind Energy, LLC	2012	92.3	Wind
Duke Energy Los Vientos IB, LLC	2012	201.6	Wind
FRV Solar AE, LLC	2011	30.0	Solar
Duke Energy Los Vientos III, LLC	2015	200.0	Wind
BHE Renewables TX Jumbo Road Wind, LLC	2015	300.0	Wind
Duke Energy Los Vientos IV, LLC	2016	200.0	Wind
Southern Power Roserock Solar, LLC	2016	157.5	Solar
Southern Power East Pecos Solar, LLC	2017	118.5	Solar
Consolidated Edison CED Upton County Solar, LLC	2017	157.5	Solar
DESRI Midway Solar, LLC	2018	178.5	Solar
Power Fin Texas Solar Project, LLC	2018	3.2	Solar
Avangrid Karankawa Wind, LLC	2019	206.6	Wind
RWE Raymond Wind Farm LLC	2020	200.0	Wind
Pattern Gulf Wind LLC	2021	170.0	Wind
Duke Energy East Blackland Solar Project 1 LLC	2021	144.0	Solar
ENGIE 2019 ProjectCo-Tx1 LLC	2021	1.8	Solar
Total Capacity from Purchased Power		<u>2,586.9</u>	
Total Capacity including Purchased Power		<u>4,851.5</u>	

(1) The City has also signed contracts to purchase electric energy to be provided in future years. See "AUSTIN ENERGY'S CUSTOMER STATISTICS - Power and Energy Purchase Contracts" in this document.

(2) Purchased power portfolio is comprised of 100% renewable energy.

(3) Austin Energy intends to seek approval and cease operations at Decker 2 following the winter 2021/2022 season.

Source: Austin Energy.

See "AUSTIN ENERGY'S CUSTOMER STATISTICS - Generation and Use Data" in this document for more information on peak demand and generation capacity.

## Fuel Supply

The cost and availability of fuel are two of several factors that affect Austin Energy's finances. Fuel mix percentages (based on generation as a percent of load) by fuel type are provided below.

<u>Fuel Type</u>	Percentage Net Load (*) As of September 30				
	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Coal	23.1%	29.2%	29.4%	26.5%	18.7%
Natural Gas	16.5	13.2	18.7	15.6	16.6
Nuclear	24.6	24.2	25.2	25.1	24.6
Renewable Energy	29.7	35.9	37.5	38.3	41.6
Net Market Purchases/(Sales)	<u>6.1</u>	<u>(2.5)</u>	<u>(10.8)</u>	<u>(5.5)</u>	<u>(1.5)</u>
Total	100.0	100.0	100.0	100.0	100.0

\* Inputs to the categories above have been updated; "Purchased Power" in prior Official Statements included bilateral and market purchases. Purchase power agreements remain in the "Renewable Energy" category.

Source: Austin Energy.

## Fuel Type

Coal . . . Coal supply and rail transportation are procured through a portfolio of contracts designed to minimize cost. Typically, several weeks of coal inventory are maintained to protect against disruptions. Coal inventories are managed within targeted ranges, and depending on the efficiency of railroad performance, train sets are either removed from or added to service to maintain desired inventory levels. Austin Energy's coal inventory is targeted to be 40-70 days. Austin Energy's coal inventory share was 60 days as of September 28, 2021.

Natural Gas . . . Austin Energy utilizes a portfolio of gas contracts and multiple pipelines in an effort to diversify risk and minimize cost.

Nuclear . . . The South Texas Project Nuclear Operating Company ("STPNOC"), on behalf of the owners of the South Texas Project, is responsible for the supply of nuclear fuel and for the disposal of spent fuel for the South Texas Project Electric Generating Station ("STP") (see "DESCRIPTION OF AUSTIN ENERGY'S PHYSICAL PROPERTY - South Texas Project" in this document). Volatility in uranium prices and a number of industry-wide challenges to security of supply in the past few years have led to decisions to enter into long-term supply contracts and to carry a full reload of natural uranium hexafluoride.

Renewable Energy . . . Renewable Energy purchases result from a recurring Request for Proposals (RFP) process under which proposals are submitted to Austin Energy from renewable energy developers with renewable projects located within the ERCOT or the Austin Energy service territory. After a rigorous project evaluation process, Austin Energy may elect to negotiate Power Purchase Agreements with selected developers and then submit finalized contracts to the Austin City Council for approval.

## DESCRIPTION OF AUSTIN ENERGY'S PHYSICAL PROPERTY

### Fayette Power Project

The Fayette Power Project ("FPP") is a power project co-owned by the LCRA and Austin Energy. Austin Energy is a 50% owner in Units 1 and 2 of the FPP. A third unit, also at the facility, is 100% owned by LCRA. Pursuant to the Participation Agreement between the City and LCRA, LCRA was appointed Project Manager and a Management Committee comprised of an equal number of voting representatives from each participant was established, supported by four Subcommittees (Environmental, Fiscal/Budget, Fuels, and Technical) composed of representatives from each participant to direct the operation of the project. FPP is a 7,500 acre site located 8½ miles east of LaGrange, Texas, which is approximately 65 miles southeast of the City.

FPP installed scrubbers on Units 1 and 2 in 2011 to meet sulfur dioxide (SO2) permit levels and to help meet limits of air toxics in the federal Mercury and Air Toxics Standards ("MATS") rules published in 2012. Beginning in 2012, FPP

installed mercury removal technology equipment to reach compliance with the MATS rule on Units 1 and 2. See “CERTAIN FACTORS AFFECTING THE ELECTRIC UTILITY INDUSTRY – Environmental Regulation Related to Air Emissions – Mercury and Air Toxics Standards (“MATS”)” in this document. For additional information regarding FPP, see “STRATEGIC PLANS, GOALS AND POLICIES” in this document.

## Gas Generation Facilities

Austin Energy owns three gas generation facilities located in Austin Energy’s service territory.

Decker Power Plant consists of two large steam-boiler units, Decker 1 and Decker 2, placed in service in 1970 and 1977, respectively. In line with the Resource, Generation and Climate Protection Plan to 2030, Austin Energy received regulatory approval effective October 31, 2020 for the suspension of operations at Decker Unit 1. Decker 1 was subsequently retired in 2020. Decker 2 has a generating capacity of 415 megawatts. The plant also includes four Pratt and Whitney aeroderivative gas turbines with a combined generating capacity of 200 megawatts placed into service in 1988. The Decker plant is served by two natural gas pipelines. Austin Energy intends to seek approval and cease operations at Decker 2 following the winter 2021/2022 season.

Austin Energy began commercial operation of a 300 MW combined cycle gas-fired electric generating facility at the Sand Hill Energy Center on September 1, 2004. The “one-on-one” combined cycle unit consists of one “F” class combustion turbine (“CT”), one natural circulation, duct fired, heat recovery steam generator (“HRSG”), and one steam turbine and balance of plant equipment and controls. The unit was designed so that a future “F” technology CT/HRSG train may be added to achieve a nominal rating of 500 MW for this power block. In summer 2010, two General Electric LM6000 aeroderivative gas turbines were placed into service at the Sand Hill Energy Center. The two new units (45 MW each) are similar to the four existing peaking units installed at Sand Hill in 2001. The plant is served by three natural gas pipelines.

In July 2006, Austin Energy added electric generation at a central utility plant located at the redevelopment site of the former Robert Mueller Airport. The plant is a tri-generation facility producing steam, chilled water and power for adjacent buildings. Excess electric power generated at the facility is sent to the electric grid. The electric power is produced by a gas turbine rated at 4.6 MW. The gas turbine exhaust passes through a heat recovery steam generator producing steam for use by an adjoining hospital and/or in an absorption chiller. A 1.5 MW standby diesel generator provides the plant with “Black Start” capability. The plant is served by one natural gas pipeline.

## South Texas Project

STP is a two-unit pressurized water reactor nuclear power plant with Unit 1 and Unit 2 (or Units 1 and 2) having a nominal output of approximately 1,350 MW each. It is located on a 12,220 acre site in Matagorda County, Texas, near the Texas Gulf Coast, approximately 200 miles southeast of the City. Participant Ownership (“Participants”) in STP Units 1 and 2 and their percentage of ownership are as follows:

	Ownership	
	Effective February 2, 2006 (1)	
	<u>%</u>	<u>MW (Approximate)</u>
NRG Energy (“NRG”)	44.0	1,188
CPS Energy (City of San Antonio)	40.0	1,080
City of Austin – Austin Energy	<u>16.0</u>	<u>432</u>
	<u>100.0</u>	<u>2,700</u>

(1) In 2006, Texas Genco, holder of a 44% interest in STP, was acquired by NRG Energy, Inc. NRG Energy holds its interest in STP Units 1 and 2 in NRG South Texas LP.

STP is operated by STPNOC, financed and directed by the Participants pursuant to an operating agreement among the Participants and STPNOC. Currently, a four-member board of directors governs the STPNOC, with each of the three Participants appointing one member to serve. The fourth member is STPNOC’s chief executive officer and president. All costs and generation output are shared in proportion to each Participant’s interest.

STP Units 1 and 2 each originally had a 40-year Nuclear Regulatory Commission (“NRC”) license that was scheduled to expire in 2027 and 2028, respectively. Under NRC regulations, the STP owners requested a 20-year license renewal which

was approved for STP Units 1 and 2 on September 18, 2017. The license renewals allow operation of STP Units 1 and 2 until August 20, 2047 and December 15, 2048, respectively.

On November 13, 2008, NRG South Texas LP, one of the STP partners, provided Austin Energy with notice of an updated proposal to add STP Units 3 and 4 at the STP site. The City had the right to participate in the ownership of the proposed new units, up to its existing 16 percent share of the STP. Austin Energy evaluated the City's ownership option and provided City Council with an analysis on which to base a decision. The City Council elected to decline participation in this expansion as then proposed. Nuclear Innovation North America ("NINA"), operating as a subsidiary of NRG Energy, Inc., became the lead applicant for the license and assumed responsibility for design, construction, and licensing prior to operation of STP Units 3 and 4 on January 24, 2011. The NRC issued the Combined License for STP Units 3 and 4 on February 12, 2016. A press release from NINA at the time of the license issuance stated "NINA plans to hold these licenses until market economics support construction."

Low Pressure turbine upgrades were completed in 2007 for STP Units 1 and 2. The replacement resulted in an additional 136.9 MW of capacity, of which Austin Energy's share is 21.9 MW. STP Unit 1 was retrofitted with a High Pressure Turbine upgrade in 2020 which resulted in an additional 21.9 MW of capacity, of which Austin Energy's share is 3.5 MW.

In 2018, STP completed construction of an on-site Dry Cask Storage ("DCS") system and NRC licensed Independent Spent Fuel Storage Installation ("ISFSI"). The DCS and ISFSI are necessary to store spent nuclear fuel on-site as the spent fuel pool for both STP Units 1 and 2 were nearing their full design limit. The DCS and ISFSI were successfully placed into operation in early 2019 with the off-loading of spent nuclear fuel from the STP Units 1 and 2 spent fuel pool.

### **Nacogdoches Biomass Facility**

Austin Energy acquired from Southern Power Company a 115 MW biomass power plant, fueled by wood waste such as forest residue, mill residue, waste pallets and municipal wood waste located in Nacogdoches County, Texas in June of 2019. Prior to the acquisition, Austin Energy received up to 100 MW of output from the Nacogdoches Biomass Facility under a 20-year Power Purchase Agreement ("PPA") that would have expired in 2032. The acquisition enabled Austin Energy to avoid approximately \$275 million in additional costs over the remaining term of the PPA. Austin Energy has contracted with NAES Corporation ("NAES") to provide full-service operations and maintenance at the Nacogdoches Biomass Facility. NAES currently has operations at over 160 power plants in North America, including a similar biomass facility located in Gainesville, Florida.

No immediate changes to the operation of the Nacogdoches Biomass Facility are expected. As is the case with respect to all elements of the electric generating capacity needs of Austin Energy, the long-term status of the operations of the Nacogdoches Biomass Facility will be addressed by Austin Energy in the normal course of future resource planning efforts.

### **District Energy & Cooling Program**

Austin Energy's District Energy & Cooling program (the "DEC Program") is a market-based program that constructs, maintains and operates district energy and cooling plants. These plants transform electrical energy into thermal energy to distribute, via a network of underground pipes, to external customers in the form of chilled water to cool and air condition their buildings. Aggregation of loads enables superior efficiency, reliability, and quality when compared to stand-alone systems. In this region, 40-45% of the electricity consumed by a typical commercial building powers its air conditioning system. The thermal energy storage elements enable Austin Energy to shift electrical consumption from on-peak to off-peak electrical periods.

The DEC Program serves the City's Central Business District, Domain development (the "Domain"), and the Mueller Redevelopment Zone ("Mueller"). The DEC Program currently has 70 customers with over 22 million square feet of space connected to its district energy and cooling systems including residential towers, office buildings, hotels, the Austin Convention Center, downtown library and City Hall. The systems serving the Central Business District and Domain provide chilled water services while the system serving Mueller provides chilled water, steam and on-site generated electricity to the Dell Children's Medical Center of Central Texas and chilled water to neighboring buildings.

The DEC Program is supported by revenue from its customers and offers many benefits in return, including reduced construction and capital costs, extraordinary reliability, and simple, low risk operations. Benefits to Austin Energy and the City include having a valuable tool for economic development, providing new revenue from long-term service agreements,



and environmental stewardship. All Austin Energy customers benefit from reduced electric market and regulatory charges due to the active electric demand management provided by the thermal energy storage elements of the DEC Program. The Resource, Generation and Climate Protection Plan to 2030 includes a goal of 30 MW and 40 MW of thermal demand shift by 2027 and 2030 respectively. The DEC Program currently provides a peak of 19 MW shift and is projected to reach 40 MW by 2030.

Austin Energy entered into a 30-year contract with Austin Community College (“ACC”) on May 2, 2019 for DEC Program to provide chilled water for ACC’s Highland Campus located in North Austin. ACC was founded in 1973 and has grown to over 76,000 students across 11 campuses serving Central Texas. Once complete, the Highland Campus will consist of 1.3 million square feet on 81 acres.

Austin Energy is currently designing and build a 6000-ton, unmanned Chilled Water Plant on the ACC Highland Campus. The plant will include all appurtenances associated with a chilled water plant, including pumps, chillers, plant controls, cooling towers, piping, and thermal energy storage. The project is scheduled for completion in Q4 of 2021.

Austin Energy recently completed its fourth downtown plant – DCP3 - a 10,000-ton plant located near the Seaholm redevelopment off 2<sup>nd</sup> Street and Lamar. District Cooling Plant #5 - DCP5 is currently in design and located within the Hobby garage as an expansion of DCP1. The schedule for completion is estimated to be late 2024 or early 2025. It will provide 5,000 tons of additional cooling capacity to support growth of the downtown DEC Program.

Austin Energy is in the design phase of building a second chilled water plant at Mueller. The plant (Mueller Energy Center #2) will provide 6,000 tons of additional capacity (as well as thermal energy storage) to support the new Austin Energy headquarters, expansion of the Dell Children’s Medical Center and other customers at Mueller.

## **AUSTIN ENERGY’S CUSTOMER RATES**

### **Retail Service Rates**

The City Council has original jurisdiction over Austin Energy's retail electric rates. Customers living outside Austin can appeal rate changes to the PUCT under section 33.101 of the Public Utility Regulatory Act [Title 2 (Chapters 11 through 66) of the Texas Utilities Code, and referred to in this document as “PURA”].

State courts have held that the PUCT may apply the same ratemaking standards to the City as are applied to utilities over which the PUCT has original jurisdiction.

In August 2016, the City Council approved a system average 6.65% base rate reduction for Austin Energy, which was reflected in electric bills beginning in January 2017. Austin Energy’s financial policies require that its rates be reviewed at least every five years. In 2020, a rate adequacy review was performed using fiscal year 2019 as a test year and the review determined rates were adequate to support operations. The City Council reaffirmed that future rate increases should not result in system average rates exceeding a 2% annual compounded growth rate that began October 2012 and that Austin Energy average system rates should remain in the lower 50% among Texas electric utilities. Council approved rates also include the below line item charges that will be reviewed and updated annually:

- Power Supply Adjustment (“PSA”): recovers dollar-for-dollar fuel and net power supply costs.
- Regulatory Charge: recovers dollar-for-dollar Austin Energy’s retail transmission expenses and other regulatory expenses, such as the Administrative Fees of the Electric Reliability Council of Texas, Inc. (“ERCOT”). Congestion Revenue Rights are netted against the system regulatory costs. The Regulatory Charge was modified to provide for a system-wide recovery mechanism rather than a rate class approach.
- Customer Assistance Program (“CAP”): funds utility bill discounts, weatherization, arrearage management and emergency financial assistance for low income residential customers (approximately 35,000 customers through Fiscal Year 2020).
- Service Area Streetlights (“SAL”): maintains and powers the streetlights and traffic signals in the City (outside-the-city customers are not assessed this fee). The SAL charge was also modified to reflect a system-wide recovery approach.
- Energy Efficiency Services (“EES”): funds energy efficiency programs. The EES Charge was also modified to reflect a system-wide recovery approach.

*Base Rate Decrease:* The 2016 rate review resulted in a \$42.5 million base rate decrease. In addition to reducing base revenues, the rate update also eliminated seasonal base rate differentials, modified and moderately flattened the residential tiered rates, redefined the boundaries of the two commercial demand-billed rate classes, and provided a level of price protection for low load factor customers. The changes in rate design were designed to improve cash flow for the utility and provide more stable and predictable rates for customers of Austin Energy. The approved rates were a negotiated result that included residential, commercial, and industrial customers.

*Residential rates and structure:* Residential base rates consist of a customer charge and an energy charge (tiered). Residential customers also pay the pass-through charges for PSA (fuel and other power supply costs), Regulatory Charge (primarily ERCOT transmission costs), and the Community Benefit Charge (low income programs, energy efficiency programs, and street light service).

*Commercial rates:* Commercial rates generally include a customer charge, demand and electric delivery charges (based on monthly peak demand), energy charges, and the pass-through charges for the PSA, Regulatory Charge, and the Community Benefit Charge (see “Residential Rates and Structure” above in this document).

*Industrial rates:* Generally, industrial rates are comprised of a customer charge, electric delivery and demand charges, and in some instances, an energy charge. Industrial customers pay pass-through charges for the PSA and the Regulatory Charge, and in some instances, all or part of the Community Benefit Charge. In March 2017, the State of Texas agreed to a new long-term contract for large accounts, extending through August 2026. The City Council approved a new tariff in May 2015 for Austin Energy’s largest transmission customer that replaced their prior long-term contract. As a result, four of Austin Energy’s largest customers are served under a tariff that includes an executed long-term contract.

## Power Supply Adjustment

During the annual budget process, the City Council reviews Austin Energy’s proposal for updating the PSA, which recovers ERCOT Settlements, fuel and other power supply costs, and purchased power agreement costs, plus an adjustment for the prior year over/under-recovery.

## Typical Monthly Residential Electric Bills of Large Texas Cities

<u>City</u>	<u>Monthly Electric Bill*</u>
Dallas/Fort Worth	\$ 98.99
Houston	104.41
Corpus Christi	109.44
<b>Austin</b>	<b>101.08</b>
San Antonio	107.14

\* Average monthly residential bill for 1,000 KWh during the period October 2019 – September 2020, including fuel costs. Dallas, Houston, and Corpus Christi are served by competitive retail service providers (“REP”). Many REPs design their offerings around the 1,000 kWh standard, resulting in an atypically low rate at the 1,000 kWh level, compared to the 500 kWh or 2,000 kWh consumption levels. The PUCT discontinued its monthly “Residential and Commercial Bill Comparisons for Non-Competitive Markets” in February 2020; this survey was the source for El Paso data, previously provided.

Source: [powertochoose.org](http://powertochoose.org).

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## AUSTIN ENERGY'S CUSTOMER STATISTICS

### Five Year Electric Customer Statistics

The table below shows service area billed customer sales for fiscal years 2016 through 2020. The revenue per year varies in large degree due to the price of power which is passed through to customers in the Power Supply Adjustment clause as stated above. MWH sales variances are due to a combination of customer growth, weather, and changes in consumption patterns due to the pandemic.

	Fiscal Year Ended September 30				
	2016	2017	2018	2019	2020
<u>Revenue (000's)</u>					
Residential	\$ 453,555	\$ 460,644	\$ 490,443	\$ 496,643	\$ 499,893
Commercial	484,162	476,618	465,363	484,138	453,953
Industrial	181,909	176,698	178,676	187,206	178,007
Public Street & Highway	2,679	2,734	2,636	2,788	2,450
Sales to Government Authorities	75,897	73,191	72,019	73,274	60,301
Total	\$1,198,202	\$1,189,885	\$1,209,137	\$1,244,049	\$1,194,603
<u>MWH</u>					
Residential	4,258,275	4,360,743	4,608,438	4,522,859	4,740,214
Commercial	4,891,990	4,921,879	4,924,929	4,937,091	4,702,026
Industrial	2,817,055	2,820,344	2,968,235	2,962,835	3,003,001
Public Street & Highway	51,164	51,438	51,673	52,087	52,817
Sales to Government Authorities	862,343	855,887	864,734	854,147	824,112
Total	12,880,827	13,010,291	13,418,009	13,329,019	13,322,171
<u>Average Monthly Number of Customers</u>					
Residential	411,366	421,752	433,411	443,792	454,616
Commercial	47,352	48,285	48,966	49,587	50,135
Industrial	110	104	112	114	115
Public Street & Highway	7	6	4	4	9
Sales to Government Authorities	2,508	2,554	2,711	2,761	2,785
Total	461,343	472,701	485,204	496,258	507,660
<u>Average Monthly KWH per Customer</u>					
Residential	863	862	886	849	869
Commercial	8,609	8,495	8,382	8,297	7,816
Industrial	2,127,685	2,250,873	2,213,449	2,168,986	2,168,232
Public Street & Highway	609,091	695,102	1,076,528	1,108,227	517,816
Sales to Government Authorities	28,655	27,931	26,584	25,781	24,661
<u>Average Monthly Bill per Customer</u>					
Residential	\$ 91.88	\$ 91.02	\$ 94.30	\$93.26	\$91.63
Commercial	852.07	822.58	791.98	813.61	754.55
Industrial	137,393.42	141,020.30	133,240.82	137,047.14	128,524.59
Public Street & Highway	31,891.33	36,947.02	54,922.30	59,312.68	24,024.08
Sales to Government Authorities	2,521.99	2,388.52	2,213.79	2,211.65	1,804.49
<u>Average Revenues per KWH</u>					
Residential	\$0.10651	\$0.10563	\$0.10642	\$0.10981	\$0.10546
Commercial	0.09897	0.09684	0.09449	0.09806	0.09654
Industrial	0.06457	0.06265	0.06020	0.06318	0.05928
Public Street & Highway	0.05236	0.05315	0.05102	0.05352	0.04640
Sales to Government Authorities	0.08801	0.08552	0.08328	0.08579	0.07317

Source: Austin Energy.

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## Electric Rates

The PSA, Regulatory Charge, and Community Benefit Charges are updated each year and the new rates are effective as of November 1. Austin Energy's approved rates schedules are contained in the City's annual continuing disclosure filing for the fiscal year ended September 30, 2020 for the City's outstanding Parity Electric Utility Obligations, which filing is available from the Municipal Securities Rulemaking Board (the "MSRB") on its Electronic Municipal Market Access ("EMMA") system website (see "CONTINUING DISCLOSURE OF INFORMATION – Availability of Information" in this document), and such rate schedules are incorporated into this document by reference. In April 2020, as a result of the Pandemic, Austin Energy temporarily reduced residential rates and returned a Regulatory Charge over-recovery during the final six months of the fiscal year. Austin Energy also increased the discount for the CAP from 10% to 15%. The residential rates returned to their prior rates and the Regulatory Charge was recalculated and updated on November 1, 2020. The CAP is expected to return to the standard rate of 10% in FY2022.

## Transmission Rates

The PUCT has exclusive jurisdiction over rates and terms and conditions for the provision of transmission services by the City. On February 14, 2019, the PUCT approved the City's most recent wholesale transmission rate of \$1.187214/kW. Transmission revenues totaled \$84 million in fiscal year 2020 and are expected to total approximately \$84 million in fiscal year 2021. Austin Energy will continue to manage and review the need for wholesale transmission rate increases as necessitated by its investment and cost to serve.

## GreenChoice® Energy Rider

GreenChoice® is Austin Energy's renewable energy program that allows residential and commercial customers to meet their electricity needs by purchasing 100% renewable Texas wind power. Customers who subscribe to the GreenChoice program will pay, in lieu of the PSA, a renewable energy charge as determined by Austin Energy. Subscribers see the PSA charge replaced with a GreenChoice charge on their electric bill. Austin Energy's GreenChoice program has led all voluntary utility green-pricing programs in the nation in kilowatt-hours of renewable energy sold over the past decade of operation, as ranked by the National Renewable Energy Laboratory. GreenChoice renewable energy sales are certified by Green-e, a leading national independent consumer protection program for the sale of renewable energy and greenhouse gas reductions in the retail market.

### GreenChoice Sales (kWh) by Calendar Year

2011	698,703,263
2012	744,458,117
2013	863,956,193
2014	671,825,727
2015	637,575,158
2016	733,070,465
2017	708,326,000
2018	757,228,651
2019	775,701,491
2020	724,317,318

## Power and Energy Sales Contracts

Austin Energy has numerous enabling agreements in place with various market participants. The agreements are designed to facilitate energy transactions by providing a standard agreement and may be cancelled by either party upon thirty (30) days' written notice. Transactions are by mutual agreement; no party is obligated to offer, sell or buy energy under the agreements. Austin Energy is an active participant in the ERCOT wholesale power market. In December 2010, ERCOT commenced operation of a nodal or Locational Market Price market. Under this structure, Austin Energy generators are economically dispatched based on their cost against total ERCOT load rather than Austin Energy load. All load is likewise served by the ERCOT centralized dispatch. Bilateral power purchase and sale contracts are unaffected by this change and remain a key feature of the market. See "CERTAIN FACTORS AFFECTING THE ELECTRIC UTILITY INDUSTRY – ERCOT Wholesale Market Design" in this document.

## Generation and Use Data

	Fiscal Year Ended September 30									
	2020		2019		2018		2017		2016	
	Average Customers	kWh	Average Customers	kWh	Average Customers	kWh	Average Customers	kWh	Average Customers	kWh
Net kWh Generated		13,833,141,055		14,686,072,244		15,404,121,570		13,905,297,109		12,415,243,709
kWh Received from ERCOT		1,066,246,223		858,953,254		400,176,250		863,722,320		1,452,541,760
Less: kWh Delivered to ERCOT		<u>(1,270,282,001)</u>		<u>(1,590,257,054)</u>		<u>(1,858,211,190)</u>		<u>(1,218,787,411)</u>		<u>(501,325,385)</u>
Total kWh Delivered to Service Area		<u>13,629,105,277</u>		<u>13,954,768,444</u>		<u>13,946,086,630</u>		<u>13,550,232,018</u>		<u>13,366,460,084</u>
Service Area Energy Use:										
Residential	454,616	4,740,214,005	443,792	4,522,859,322	433,411	4,608,437,926	421,752	4,360,742,811	411,366	4,258,275,530
General Service (Less UT & ENW)	<u>52,045</u>	<u>8,135,854,225</u>	<u>51,463</u>	<u>8,405,888,312</u>	<u>50,760</u>	<u>8,370,161,391</u>	<u>49,908</u>	<u>8,182,982,288</u>	<u>48,952</u>	<u>8,180,335,482</u>
	<u>506,661</u>	<u>12,876,068,230</u>	<u>495,255</u>	<u>12,928,747,634</u>	<u>484,171</u>	<u>12,978,599,317</u>	<u>471,660</u>	<u>12,543,725,099</u>	<u>460,318</u>	<u>12,438,611,012</u>
Public Street Lighting	9	52,817,241	4	52,086,667	4	51,673,359	6	51,437,560	7	51,163,631
City Utility Departments (*)	294	281,553,057	282	240,686,856	309	264,127,365	327	288,204,138	309	268,278,325
Other City Departments (*)	<u>696</u>	<u>111,732,472</u>	<u>717</u>	<u>107,497,843</u>	<u>720</u>	<u>112,841,653</u>	<u>708</u>	<u>110,543,607</u>	<u>709</u>	<u>110,274,454</u>
	<u>999</u>	<u>446,102,770</u>	<u>1,003</u>	<u>400,271,366</u>	<u>1,033</u>	<u>428,642,377</u>	<u>1,041</u>	<u>450,185,305</u>	<u>1,025</u>	<u>429,716,410</u>
Total Service Area Sales	507,660	13,322,171,000	496,258	13,329,019,000	485,204	13,418,009,000	472,701	13,010,291,000	461,343	12,880,827,000
Loss and Unaccounted For		<u>306,934,277</u>		<u>625,749,444</u>		<u>528,077,630</u>		<u>539,941,018</u>		<u>485,633,084</u>
Total kWh Delivered to Service Area	<u>507,660</u>	<u>13,629,105,277</u>	<u>496,258</u>	<u>13,954,768,444</u>	<u>485,204</u>	<u>13,946,086,630</u>	<u>472,701</u>	<u>13,550,232,018</u>	<u>461,343</u>	<u>13,366,460,084</u>
System Peak Demand (kW)		2,810,000		2,810,000		2,878,000		2,654,000		2,755,000

\*Source: Austin Energy.

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## **Energy Risk Management**

In an effort to mitigate the financial and market risk associated with the purchase of natural gas and energy price volatility, Austin Energy has established an Energy Risk Management Program. This program is authorized by the City Council with an \$800 million limit and is led by the Risk Oversight Committee. Under this program, Austin Energy enters into futures contracts, options, and swaps for the purpose of reducing exposure to natural gas and energy price risk over a five-year time horizon. Use of these types of instruments for the purpose of reducing exposure to price risk is performed as a hedging activity. These contracts may be settled in cash or delivery of certain commodities. Austin Energy typically settles these contracts in cash.

The City implemented GASB Statement 53, Accounting and Financial Reporting for Derivative Instruments, in fiscal year 2010, which addresses the recognition, measurement, and disclosure related to derivative instruments. In accordance with GASB Statement No. 53, the City is required to report the fair value of all derivative instruments on the statement of net position. In addition, GASB Statement No. 53 requires that all derivatives be categorized into two types – (1) hedging derivative instruments and (2) investment derivative instruments. Hedging derivative instruments significantly reduce an identified financial risk by substantially offsetting changes in cash flows or fair values of an associated item that is hedged. Investment derivative instruments are entered into primarily for income or profit purposes or they are derivative instruments that do not meet the criteria of an effective hedging derivative instrument. Changes in fair value of hedging derivative instruments are deferred on the statement of net position; and changes in fair value of investment derivative instruments are recognized as gains or losses on the statement of activities.

Premiums paid for options are deferred until the contract is settled. As of September 30, 2020, \$66 thousand in premiums was deferred. As of September 30, 2020, the fair value of Austin Energy's futures, options and swaps was an unrealized gain of \$20 thousand, of which \$76 thousand is reported as derivative instruments in liabilities and \$96 thousand is reported as derivative instruments in assets. The fair values of these derivative instruments are deferred until future periods on the balance sheet using deferred outflows and deferred inflows.

Further explanation and historical information at last fiscal year end can be found in the footnotes to the financial statements for the fiscal year ended September 30, 2020. See "APPENDIX B – "AUDITED FINANCIAL STATEMENTS – Note 9a – Energy Risk Management Program" in this document.

## **Power and Energy Purchase Contracts**

The City has signed several long-term energy purchase agreements for conventional, wind, and solar electric generation. All power generated from these facilities is sold into the ERCOT market.

In September 2006, Austin Energy signed a 20-year contract with Renewable Energy Systems ("RES") America Development, Inc. to purchase the output of a 59.8 MW wind energy project located in Floyd County, Texas. On October 10, 2006, RES assigned the contract to Whirlwind Energy, L.L.C. The project began full-scale commercial operation in December 2007.

In August 2007, Austin Energy signed a 15-year contract with RES to purchase the output of a 165.6 MW wind energy project located in Shackelford County, Texas near Abilene. On September 6, 2007, RES assigned the contract to Hackberry Wind, L.L.C. The project began full-scale commercial operation in December 2008.

In August 2009, Austin Energy signed a 25-year contract with FRV Solar AE, LLC, a subsidiary of Austin Solar, LLC, a successor to Gemini Solar Development Company, LLC, predecessor to the current joint owners, Longsol LLC and Metlife, to purchase the output of a 30 MW solar power plant. The project is located on an Austin Energy site near Webberville just east of Austin and commenced commercial operation in December 2011.

In September 2011, Austin Energy signed a 25-year contract with Los Vientos Windpower IB, LLC, an affiliate of Duke Energy to purchase the output of a 201.6 MW wind energy project located in Willacy County, Texas. Energy purchases from Los Vientos IB commenced in November, 2012, and full scale commercial operation commenced in December 2012. Also in September 2011, Austin Energy signed a 25-year contract with Whitetail Wind Energy, LLC an affiliate of Exelon Corporation, to purchase the output of a 92.34 MW wind energy project located in Webb County, Texas. Energy purchases from Whitetail also began in November 2012, and full-scale commercial operation commenced on December 21, 2012.

In September 2013, Austin Energy entered into two 25-year Power Purchase Agreements with Duke Energy affiliates, Los Vientos Windpower III, LLC and Los Vientos Windpower IV, LLC, to purchase the output of 200 MW wind energy projects from each entity located in Starr County, Texas. Los Vientos III commenced commercial operation in April 2015 and Los Vientos IV commenced commercial operation in July 2016.

In February 2014, Austin Energy signed an 18-year contract with TX Jumbo Road Wind, LLC, an affiliate of BHE Renewables LLC, to purchase the output of a 300 MW wind energy facility located in Castro County, Texas. Commercial operation began in April 2015.

In May 2014, Austin Energy and RE Roserock LLC, a Canadian Solar affiliate, entered into a 20-year Power Purchase Agreement for the purchase and sale of up to 157.5 MW of solar generated renewable energy from the Roserock Solar Facility to be constructed in west Texas. In November 2015, a Southern Company subsidiary purchased a controlling interest in the project. Commercial operation was achieved in November 2016.

In May 2015, Austin Energy and a subsidiary of Power Fin Texas Solar Projects, LLC entered into a 25-year Power Purchase Agreement for the purchase up to 3.2 MW of solar generated renewable energy from a facility to be constructed in the Austin Energy service territory; this purchase will be considered a component of Austin Energy's local solar goal. Commercial operation began in the first quarter of 2018.

In October 2015, Austin Energy entered into three separate transactions for the purchase and sale of energy from three solar projects in west Texas: (1) a 15-year Power Purchase Agreement with East Pecos Solar, LLC, a subsidiary of Southern Company who purchased the project from the original developer, First Solar Development, LLC, for up to 118.5 MW of capacity from a facility constructed in east Pecos County, commercial operation of which began in April 2017; (2) a 25-year Power Purchase Agreement with Midway Solar LLC, a subsidiary of DESRI, who purchased the asset from 174 Power Global, a subsidiary of Hanwha Q Cells for up to 178.5 MW of capacity from a facility located in east Pecos County; commercial operation began in December 2018; and (3) a 25-year Power Purchase Agreement with CED Upton County Solar LLC, a subsidiary of Consolidated Edison Development, for up to 157.5 MW of capacity from a facility in Upton County; commercial operation under this project began in August of 2017.

In June 2017 Austin Energy signed a 15 year Power Purchase Agreement with Karankawa Wind LLC, a subsidiary of Avangrid Renewables, LLC, for the sale and purchase of up to 206.6 MW of wind energy from a facility under construction in San Patricio and Bee Counties Texas. Commercial operation began in December 2019.

In December 2017 Austin Energy entered into a Power Purchase Agreement with SE Aragorn, LLC, an SB Energy (formerly Intersect Power) subsidiary, for the sale and purchase of solar power generated from a planned 180 MW project in Culberson County, Texas. Commercial operations are expected to commence in the fourth quarter of 2021.

In October 2018, Austin Energy and East Blackland Solar Project, LLC, a Duke Energy (formerly Recurrent Energy) subsidiary, entered into a 15 year Power Purchase Agreement for the purchase and sale of energy produced from a 144 MW solar facility to be constructed in Travis County, Texas near the town of Pflugerville. Commercial operation commenced in July, 2021.

In March 2019, Austin Energy signed a 20-year Power Purchase Agreement with a subsidiary of Pattern Energy Group, Inc. for the purchase and sale of 170 MW of energy output from a wind project located in Kenedy County, Texas. Commercial operation started in May, 2021.

In May 2019, Austin Energy and Pandora Solar, LLC, a subsidiary of NextEra Energy, entered into a 15-year contract covering the purchase and sale of energy generated from a 250 MW solar project to be constructed in Wilson County, Texas. Commercial operation is expected by the end of 2023.

In August 2019, Austin Energy and RWE Renewables (successor to E.ON Climate and Renewables) entered into a 12 year Power Purchase Agreement providing for the purchase and sale of energy generated from the 200 MW Raymond Wind facility located in Willacy and Cameron Counties, Texas. Commercial operations commenced in December 2020.

In December 2019, Austin Energy and an ENGIE subsidiary entered into a 25-year Power Purchase Agreement for the purchase and sale of energy generated from a 1.8 MW rooftop solar project located at the City-owned and operated Austin-Bergstrom International Airport. Commercial operations began in May 2021. With respect to the contracts described

above, Austin Energy is obligated to purchase all of the energy generated by each of the facilities up to the maximum amount as described above, to the extent energy is so generated. Many of the facilities described above do not run at full capacity for 24 hours a day; therefore, Austin Energy may be purchasing energy in amounts less than the maximum amounts that are shown above.

### Electric Transmission and Distribution System Statistics

The transmission and distribution plant statistics of Austin Energy as of August 31, 2021 are as follows:

	<u>Number of Substations</u>	<u>Miles of Lines</u>	<u>Kilovolts</u>
Transmission	15	632	345/138/69
Distribution	62	12,030	35/12.5/7.2
Overhead Primary		2,407	
Overhead Secondary		2,606	
Underground Primary		3,532	
Underground Secondary		3,485	

The City and the LCRA entered into the FPP Transmission Agreement dated March 17, 1977, setting forth the duties, obligations and responsibilities with respect to the transmission of energy from FPP. See “DESCRIPTION OF AUSTIN ENERGY’S PHYSICAL PROPERTY – Fayette Power Project” in this document.

The City has also entered into the STP 345 kV Transmission Line Agreement dated as of January 1, 1976 with the participants in STP, setting forth the duties, obligations and responsibilities with respect to transmission facilities associated with STP. See “DESCRIPTION OF AUSTIN ENERGY’S PHYSICAL PROPERTY – South Texas Project” in this document.

Austin Energy is interconnected with LCRA, CenterPoint Energy (formerly Houston Lighting & Power Co.), CPS Energy and American Electric Power. Austin Energy is a member of ERCOT. As a participant in ERCOT, Austin Energy is able to provide and be provided with a reliable backup supply of generation under normal and emergency conditions. The diversification of fuel sources of the member systems increases the potential for economic interchanges among the respective systems. Sale and purchase transactions generally maximize the use of less expensive fuel sources by all members of the interconnected system.

Until recently, electric utilities operating in the State have not had any significant interstate connections, and hence investor-owned utilities have not been subject to regulation by the Federal Energy Regulatory Commission (“FERC”) and its predecessor agencies under the Federal Power Act. Over the past several years, however, successful efforts have been made to provide interstate connections. These efforts have resulted in protracted judicial and administrative proceedings involving ERCOT members. The settlement of such proceedings permits the ERCOT members to avoid federal regulation as the result of any interstate interconnection with another interstate connected utility.

### ISO 9001 Registration

Austin Energy’s two major business units have earned their International Organization for Standardization (ISO) 9001 registrations. ISO 9001 is a series of international quality standards designed to ensure that all activities related to providing and delivering a product or service are appropriately quality assured. To earn the registration, applicants must develop a Quality Management System that reflects standards of performance for every major process, in this case, related to building, operating, maintaining, and repairing the Electric Utility System.

- The Electric Systems Field Operations and Electric Systems Engineering and Technical Services business units – responsible for the construction, maintenance and operation of the City’s Electric Utility System - became the first of any utility in the nation to earn ISO-9001:2000 registration. Auditors from the National Standards Authority of Ireland (“NSAI”), the worldwide entity that certifies ISO quality management program, issued the registration on January 3, 2008. The certification followed a rigorous four-day review in December 2007 of the Electric Systems Quality Management System by NSAI auditors. In June 2012, Electric Systems Quality Management System was re-registered under the ISO- 9001:2008 standard. More recently, in June 2017, Austin Energy’s Electric Systems Quality Management System was recommended for upgraded certification under the ISO-9001: 2015 standard, by NSAI.



- In June 2010, Austin Energy’s Customer Care Services (“CCS”) business unit was also registered as an ISO 9001:2008 organization. CCS is responsible for receiving customer requests, responding to customer requests, billing customers, processing customer payments, and managing customer accounts. In June 2013, Austin Energy’s CCS Quality Management System was re-registered under the ISO-9001: 2008 standard. In February 2017, Austin Energy’s CCS Quality Management System was upgraded to certification under the ISO-9001:2015 standard. At the same time, Austin 311, received initial certification under the ISO-9001:2015 standard – the first distinction of this kind for a 311 Contact Center in the United States. In February 2019, both the CCS Quality Management System, and Austin 311’s Quality Management System were recertified to ISO-9001:2015, and combined into a single registration.

These business units continue to maintain their respective certifications.

## Conventional System Improvements

Austin Energy’s five-year Capital Improvements Spending Plan (the “Capital Plan”), which was approved by the City Council in August 2021, addresses approximately \$1.14 billion of capital spending needs from fiscal year 2022-2026. Funding for the Capital Plan is expected to be provided from revenues of Austin Energy and the issuance of debt, including short-term commercial paper and long-term revenue bonds. Austin Energy currently anticipates that approximately 53% of the five-year Capital Plan will be debt funded and 47% will be funded from revenues.

The Capital Plan provides continued funding for distribution and street lighting additions, including line extensions for new service, system modifications for increased load, and relocations or replacements of distribution facilities in the central business district and along major thoroughfares. It also includes funding for transmission, generation and other general additions. Major projects in the Capital Plan include the construction of a new downtown substation as well as the Cistern substation, the construction of Mueller Energy Center 2, and the purchase of Austin Energy’s new warehouse.

## Five Year Capital Spending Plan

<u>\$ in Millions</u>	<u>2021-22</u>	<u>2022-23</u>	<u>2023-24</u>	<u>2024-25</u>	<u>2025-26</u>	<u>Total</u>
Distribution	\$124.41	\$114.05	\$97.65	\$101.93	\$101.07	\$539.12
Distribution Substation	\$23.14	\$10.50	\$33.91	\$11.02	\$9.00	\$87.57
Transmission	\$56.57	\$39.78	\$59.88	\$36.86	\$36.3	\$229.39
Electric Service Delivery	\$204.12	\$164.34	\$191.44	\$149.81	\$146.37	\$856.08
Power Production	\$77.13	\$42.59	\$28.80	\$18.24	\$22.90	\$189.67
Customer Service Billing & Metering	\$1.15	\$0.05	\$0.05	\$0.05	\$0.05	\$0.35
Facilities, Technology & Support Services	\$38.55	\$28.69	\$8.18	\$7.49	\$6.64	\$89.56
Total	\$319.95	\$235.67	\$228.47	\$175.59	\$175.96	\$1,135.65

## Austin Energy Smart Meter Installation Program

Austin Energy maintains an Advanced Metering Infrastructure (“AMI”) program. A component of the AMI program is the installation of AMI meters, which send and receive commands related to acquiring consumptive and diagnostic data, including daily meter reads via radio signals. Austin Energy has approximately 532,000 AMI meters: 477,324 2-way communicating residential meters and 54,676 2-way communicating commercial and industrial meters. As of 2015, Austin Energy has deployed a full 2-way AMI system. Continued improvements in AMI technology utilized at Austin Energy have provided demonstrable enhancements to customer service and reliability while reducing operating costs.

## AUSTIN ENERGY’S STRATEGIC PLANS, GOALS AND POLICIES

### Strategic Plan

Austin Energy’s mission is “*To safely deliver clean, affordable, reliable energy and excellent customer service.*” To achieve its mission, Austin Energy adopted a 2020-2025 strategic plan. (the “Strategic Plan”). The Strategic Plan identifies adaptive strategies to proactively address customer expectations, deploy innovative technology, provide responsible energy services and ensure Austin Energy is well prepared for the challenges ahead.

The Strategic Plan is informed by several sources, including Austin Energy’s Technology Roadmap, Facilities Masterplan,

Resource, Generation Plan and Climate Protection Plan, and the City’s strategic planning efforts. The primary focus of the Strategic Plan is to improve Austin Energy’s competitive position while realizing its vision of “*Powering a cleaner, brighter future with customer-driven, community-focused solutions.*”

The Strategic Plan addresses six overarching goals that are designed to enable Austin Energy to realize its vision. Customer Experience, Environmental Leadership, and Grid Resilience focus on delivering value to the customer and providing customer choice in the products and services offered. Employee Experience and Financial Health provide an internal focus on maintaining and increasing the value provided to employees, customers and the communities served. Finally, Health and Safety has both an internal and external focus, speaking to Austin Energy’s responsibility to always operate safely.

Each goal is overseen by a goal manager and a cross-functional team of staff who are executing the projects to achieve their goal. Each goal manager is partnered with an executive sponsor, a member of the Austin Energy executive team, who is responsible for ultimately achieving the goal.

In order to measure performance over time, thirteen Key Performance Indicators (“KPIs”), and a target value for each KPI, have been established. Austin Energy publicly reports its strategic progress through both the Strategic Plan 2020-2025 Tableau Dashboards and a monthly strategic project update report that is sent to the Chief Operating Officer.

### **Austin Energy Resource, Generation, and Climate Protection Plan to 2030**

On August 12, 2019 the Electric Utility Commission (“EUC”) of the City created the Resource Plan Working Group (Working Group) to provide leadership and guidance to Austin Energy and the City Council on technical and market issues to meet environmental, efficiency and goals established by the City Council.

The Austin Energy Resource, Generation and Climate Protection Plan to 2030 (the “2030 Plan”) outlines the Working Group’s recommendations and strategic goals and represents an extensive effort of the Austin community working through the Working Group and Austin Energy staff. The 2030 Plan is based on analysis of the risks, costs and opportunities to meet future demand for electricity. The 2030 Plan is intended to be flexible and dynamic in order to respond to changing circumstances, including customer electric load, economic conditions, energy prices, and technological development, while strictly committing to firm carbon reductions.

The 2030 Plan updates and replaces the Austin Energy Resource, Generation and Climate Protection Plan to 2027. To the extent the provisions of the 2030 Plan are inconsistent with prior resource plans for Austin Energy or related City Council resolutions adopting such plans, the 2030 Plan will prevail.

*Vision Statement* – This 2030 Plan commits Austin Energy to continuing to provide affordable, dependable and safe electricity service to residents and businesses while pursuing the City’s climate protection and sustainability goals and the directives set forth in the Austin Climate Emergency Resolution. As a part of its commitment, Austin Energy will maintain an energy supply portfolio sufficient to offset customer demand while eliminating carbon and other pollutant emissions from its electric generation facilities within the limitations set by the City Council. Austin Energy commits to providing access to the benefits of this 2030 Plan for limited-income communities and communities of color.

*Affordability* – Affordability of electricity service for Austin Energy customers is an overarching goal of the 2030 Plan. Developments in the wholesale energy market in recent years have demonstrated that if Austin Energy carefully manages its portfolio it can achieve its environmental goals economically, efficiently and affordably. Austin Energy will do so with a commitment to the specific affordability metrics set by the City Council.

*Generation Resource Objectives* – As of March 2020, Austin Energy generates energy on an annualized basis equal to approximately 63% of its total customer load using carbon-free resources, 40% from renewable resources and 23% from the South Texas Project nuclear facility. As explained in more detail below, under the 2030 Plan, Austin Energy will eliminate its existing emissions through retirement of its carbon-emitting generation plants and anticipates purchasing additional, cost-effective, renewable energy resources.

*No New Carbon Generating Assets* – Austin Energy will seek to avoid purchasing, contracting for or building long-term generation or storage resources that emit new carbon, or any additional nuclear power generation resources.

*Carbon Reduction Goals* – Austin Energy has established a goal to have 86% of its electricity generation carbon-free by year-end 2025, 93% carbon-free by year-end 2030, and all generation resources carbon-free by 2035. Austin Energy commits to advance these goals more rapidly, if feasible given technological developments, affordability, and risks to Austin Energy customers.

*Additional Renewable Generation Facilities* – Austin Energy will utilize its annual RFP process to seek the best available renewable energy and electricity storage opportunities to add to Austin Energy’s generation resource portfolio as necessary to meet 2030 Plan goals and to assess market trends for future planning. With the exception of the Local Solar goals, the 2030 Plan does not designate the components of Austin Energy’s renewable energy portfolio. Austin Energy will plan for least-cost and least-risk acquisition of renewable resources and electricity storage as available in the energy market and as necessary to meet 2030 Plan goals.

### ***Specific Actions to Achieve Generation Resource Objectives***

*Fayette Power Project* – Austin Energy seeks to maintain its current target to cease operation of Austin Energy’s portion of the Fayette Power Project (FPP) coal plant by year-end 2022. Austin Energy will continue to recommend to the City Council the establishment of any cash reserves necessary to provide for that schedule.

*Decker Creek Power Station* – Austin Energy seeks to maintain its current target to cease operations and begin retirement of existing Decker Steam gas-fired units, assuming ERCOT approval, with Steam Unit 1 ceasing operations after summer peak of 2020 and Steam Unit 2 ceasing operations after summer peak of 2021.

*REACH for Carbon Free by 2035* – Upon City Council approval of the 2030 Plan, Austin Energy anticipates adopting a new market-based approach to accelerate reduction of carbon emissions by its legacy generators in the most economic manner available. This approach, known as *Reduce Emissions Affordably for Climate Health* (“REACH”), will incorporate a cost of carbon in the generation dispatch price, allowing Austin Energy to reduce generation output during low-margin periods but keep the resources available for high-margin periods. Austin Energy anticipates applying an annual amount of approximately 2% of the prior year’s PSA to implement REACH. Austin Energy will continue to adhere to the City Council affordability metrics through active portfolio management. The REACH plan is expected to reduce the utility’s carbon emissions by 30% or approximately 4 million metric tons between approval of this 2030 Plan and Austin Energy’s exit from FPP. Thereafter, the REACH plan is expected to reduce carbon emissions by 8% each year, while maintaining the flexibility to protect our customers’ rates in periods of high prices in the wholesale market, until achieving zero carbon emissions by 2035. Austin Energy will report semi-annually to the Electric Utility Commission and the City Council the realized reduction in carbon emissions from the REACH plan’s implementation.

*Local Solar Resources* – In addition to the large-scale energy resources discussed above, Austin Energy seeks to:

1. Achieve a total of 375 MW of local solar capacity by the end of 2030, of which 200 MW will be customer-sited (when including both in-front-of-meter and behind-the-meter installations).
2. Continue a shared solar pilot program for multi-family housing and upon development of an automated electronic billing system, allow for expansion of this program.
3. Provide moderate and limited-income customers preferential access to community solar programs.

***Energy Efficiency and Demand Response*** – In addition to the generation resources described above, Austin Energy will sponsor energy efficiency and demand response initiatives aimed to reduce overall system load and reduce peak demand as follows:

1. Achieve energy efficiency savings equal to at least 1% per annum of retail sales, targeting a total of at least 1,200 MW of demand side management (energy efficiency and demand response) capacity by 2030, including a target of 225 MW of economic peak demand response capacity by 2030.
2. Target serving at least 25,000 residential and business customer participants per year for all CES programs (Energy Efficiency, Austin Energy Green Building, Demand Response and Solar) with at least 25% of those customers being limited-income customers.
3. Commit to achieving 30 MW of local thermal storage by 2027 and 40 MW of local thermal storage by 2030.
4. Allow near real-time access to hourly energy use data for Austin Energy customers via the automated meter infrastructure, including compatibility with Green Building products and services.

5. Continue to move forward on energy code and green building development, including assessing the 2021 International Energy Conservation Code, and specific solar-ready, EV- ready, electric building-ready and net-zero requirements for commercial and residential construction for possible adoption in future codes.

*Electric Transportation* – Austin Energy will pursue the Climate Protection Plan Goals and Austin Mobility Plan and expansion of Austin Energy revenue base by:

1. Supporting private-public partnerships that promote, market, and provide electric vehicle support to assist in the transition to electric transportation.
2. Support the City of Austin Fleet Services' electrification plan.
3. Evaluate equitable growth of public and private charging station deployments by offering rebates, operational support, outreach, and special public charging rates that includes support for limited-income populations.

## **Financial Policies**

The objective of Austin Energy's financial policies is to maintain financial integrity while allowing for flexibility. Some of the more significant financial policies reviewed and approved annually by the City Council during the budget process are:

- Current revenue, which does not include the beginning fund balance, will be sufficient to support current expenditures (defined as "structural balance"). However, if projected revenue in future years is not sufficient to support projected requirements, the ending balance may be budgeted to achieve structural balance.
- Net revenues generated by Austin Energy shall be used for General Fund transfers, capital investment, repair and replacement, debt management, competitive strategies, and other Austin Energy funding requirements. Once these obligations have been met, any remaining net revenues of the Electric Utility System will be deposited in the following order into Austin Energy's reserve funds until each reserve reaches its minimum funding level: Working Capital Reserve, Contingency Reserve, Power Supply Stabilization Reserve, and then Capital Reserve. The sum of the four reserves shall be the cash equivalent of no less than 150 days of operating and maintenance expense.
- Austin Energy shall maintain an operating cash equivalent (also known as working capital) of 60 days of budgeted operations and maintenance expense, less power supply costs, plus the amount of additional monies required to bring the sum of all Austin Energy's reserves to no less than 150 days of operating and maintenance expense. As of September 30, 2020, Austin Energy's operating cash balance was \$402 million and Days Cash on Hand ("DCOH") was 222 days.
- Austin Energy shall maintain a minimum quick ratio of 1.50 (current assets less inventory divided by current liabilities). The source of this information shall be the City's Comprehensive Annual Financial Report ("CAFR").
- Austin Energy shall maintain either bond insurance policies or surety bonds issued by highly rated ("AAA") bond insurance companies, a funded debt service reserve, or a combination for its existing revenue bond issues, in accordance with the bond covenants of the Combined Utility Systems Revenue Bonds Covenant.
- Debt service coverage of a minimum of 2.0x shall be targeted for the Electric Utility System's revenue bonds. All short-term debt, including commercial paper, and non-revenue obligations will be included at 1.0x.
- The Contingency Reserve shall be created and established for unanticipated or unforeseen events that reduce revenue or increase obligations, such as costs related to a natural disaster, extended unplanned plant outages, insurance deductibles, or unexpected costs created by Federal or State legislation. The Contingency Reserve may be used to fund unanticipated power supply expenses only after the Power Supply Stabilization Reserve has been fully depleted. The Contingency Reserve shall maintain an operating cash equivalent of 60 days of budgeted operations and maintenance expense, less power supply costs. In the event any portion of the Contingency Reserve is used, the balance will be replenished to the targeted funding level within two fiscal years.
- The Capital Reserve shall be created and established for providing extensions, additions, replacements and improvements to the Electric Utility System. The Capital Reserve shall maintain a minimum cash equivalent of 50% of the previous year's depreciation expense of the Electric Utility System.
- The Power Supply Stabilization Reserve shall be created and established for mitigating power supply cost

volatility which causes frequent variation in the Power Supply Adjustment. The Power Supply Stabilization Reserve shall maintain a cash equivalent of 90 days of net power supply costs. Net power supply costs shall be defined as costs eligible for inclusion in the Power Supply Adjustment. The Power Supply Stabilization Reserve shall be funded using net revenues after meeting other obligations and consistent with the flow of funds schedule.

- The General Fund Transfer shall not exceed 12% of Austin Energy’s three-year average operating revenues less power supply costs and onsite energy resource revenue, calculated using the current fiscal year estimate and the previous two fiscal years’ actual revenues less power supply costs and on-site energy resource revenue from the City’s CAFR.
- Electric rates shall be designed to generate sufficient revenue, after consideration of interest income and miscellaneous revenue, to support (1) the full cost (direct and indirect) of operations including depreciation, (2) debt service, (3) the General Fund Transfer, (4) equity funding of capital investments, (5) requisite deposits of all reserve accounts, (6) sufficient annual debt service requirements of the Parity Electric Utility Obligations and other bond covenant requirements, if applicable, and (7) any other current obligations. In addition, Austin Energy may recommend to the City Council in the budget directing excess net revenues for the General Fund Transfer, capital investment, repair and replacement, debt management, competitive strategies and other Austin Energy requirements such as working capital. In addition to these requirements, electric rates shall be designed to generate sufficient revenue, after consideration of interest income and miscellaneous revenue, to ensure a minimum debt service coverage of 2.0x on revenue bonds of the Electric Utility System. A rate adequacy review shall be completed every five years, at a minimum, through performing a cost of service study.
- A decommissioning trust shall be established external to the City to hold the proceeds for monies collected for the purpose of decommissioning the STP. An external investment manager may be hired to administer the trust investments. As of August 31, 2021, the market value of the investments in the trust was \$239.4 million.
- A Non-Nuclear Plant Decommissioning Fund shall be established to fund plant retirement. The amount set aside will be based on a decommissioning study of the plant site. Funding will be set aside over a minimum of four years prior to the expected plant closure.

## **CERTAIN FACTORS AFFECTING THE ELECTRIC UTILITY INDUSTRY**

### **Rate Regulation**

The City Council has original jurisdiction over Austin Energy’s retail electric rates, while the PUCT sets Austin Energy’s recoverable Transmission Cost of Service. Certain residential ratepayers can appeal retail rate changes to the PUCT under section 33.101 of the Public Utility Regulatory Act (“PURA”) by filing a petition with the PUCT containing the requisite number of valid signatures from residential ratepayers who take service outside the City limits. State courts have held that the PUCT may apply the same ratemaking standards in such an appeal as are applied to investor-owned utilities over which the PUCT has original jurisdiction.

Section 35.004 of PURA requires Austin Energy to provide transmission service at wholesale to another utility, a qualifying facility, an exempt wholesale generator, a power marketer, a power generation company, or a retail electric provider. Section 35.004 of PURA requires Austin Energy to provide wholesale services at rates, terms of access, and conditions that are not unreasonably preferential, prejudicial, discriminatory, predatory, or anti-competitive.

ERCOT serves as the Independent System Operator (“ISO”) for the ERCOT region of Texas. ERCOT was certified in 2000 to serve as the ISO by the PUCT under Senate Bill 7, adopted by the State legislature and signed into law in 1999 (“SB7”). The ISO’s responsibilities as detailed in SB7 are to (1) ensure nondiscriminatory access to the ERCOT transmission system; (2) ensure the reliability and adequacy of the ERCOT network; (3) ensure timely and accurate customer switching; and (4) ensure the accuracy of accounts among wholesale buyers and sellers. Austin Energy is a member of ERCOT, and Austin Energy staff are active in the ERCOT stakeholder process. ERCOT membership includes stakeholders from all segments of the Texas electric market. ERCOT is responsible for the management and oversight of the day-to-day operations of the transmission network and wholesale market settlement. Under PURA, the PUCT has jurisdiction over ERCOT and oversees its operations and market participant compliance with ERCOT Protocols, Operating Guides, and Other Binding Documents.

SB7 also amended PURA to provide for retail deregulation of the investor-owned electric utilities in the ERCOT region beginning January 1, 2002. SB7 allows local authorities to choose whether to bring retail competition to their Municipally Owned Utilities (“MOUs”) and leaves key municipal utility decisions (like local rate setting and utility policies) in the hands of those who have a stake in the local community. Once a resolution to “opt in” for retail competition is adopted by the MOU’s governing body, the decision is irrevocable. The City has not opted in to retail competition. As a result, Austin Energy is the sole retail electric power provider within its service territory and retail competition is not allowed.

### **ERCOT Wholesale Market Design**

Austin Energy participates in the ERCOT wholesale power market. The ERCOT wholesale market has been dispatched and settled on a nodal basis since December 1, 2010. The key components of the nodal market include: establishment of a day-ahead energy market; resource-specific bid curves for energy and ancillary services; congestion pricing incorporating direct assignment of all congestion rents to resources causing the congestion; tradable congestion revenue rights (“CRRs”) made available through auctions; nodal energy prices for resources; energy trading hubs; and zonal energy prices for load settlement. For settlement purposes, Austin Energy’s generation resources have nodal energy prices and Austin Energy’s service territory is identified as a load zone.

Austin Energy’s Energy and Market Operations staff offers Austin Energy’s generation resources into the ERCOT market. All power to serve Austin Energy’s load is procured from the ERCOT market. Participation in this market allows Austin Energy to procure the cheapest source of supply possible to service its customers, whether that power is produced from Austin Energy’s own generation resources or procured from the market.

The PUCT is currently considering changes to the ERCOT wholesale market to address reliability and enhance stability for generator revenue. Austin Energy staff closely monitors PUCT activities and provide comments to the PUCT regarding possible market design changes.

### **Federal Rate Regulation**

Austin Energy is not subject to the jurisdiction of the FERC under sections 205 and 206 of the Federal Power Act and is not subject to Federal statutes and regulation in the establishment of rates, the issuance of securities or the operation, maintenance or expansion of Austin Energy. Nevertheless, Austin Energy submits various reports to FERC and participates in ERCOT, a stakeholder organization established under State law that is similar to the Regional Transmission Organizations envisioned in FERC Order No. 2000.

Pursuant to the Energy Policy Act of 2005, Austin Energy is subject to certain FERC authority on reliability. On July 20, 2006, FERC certified the North American Electric Reliability Corporation (“NERC”) as the nation’s Electric Reliability Organization responsible for developing and enforcing mandatory electric reliability standards under FERC’s oversight. Every five years, FERC reviews and approves the Delegation Agreement between NERC and Texas Reliability Entity, Inc. (“Texas RE”), which governs the responsibilities of Texas RE as the Regional Entity responsible for overseeing the NERC reliability standards in the ERCOT region. The PUCT retains authority over Austin Energy’s compliance with the ERCOT protocols and other reliability-related rules. Austin Energy has established a Reliability Compliance Program to examine the requirements for compliance with reliability standards and to evaluate and implement any needed changes to systems and procedures. Austin Energy’s compliance with reliability standards is verified through external audits and other oversight processes conducted by Texas RE.

### **Environmental Regulation - General**

Austin Energy is subject to environmental regulation by federal, State and local authorities and has processes in place for assuring compliance with applicable environmental regulations. Austin Energy’s Environmental Services section consists of a staff of educated and trained environmental compliance professionals who are responsible for establishing and maintaining compliance programs throughout the utility. The Environmental Services section interprets existing federal, State and local regulations and monitors changes to regulations that affect Austin Energy. Austin Energy maintains an Environmental Management Information System (EMIS) which delineates roles and responsibilities, and automatically schedules environmental compliance tasks throughout the organization. The Environmental Services staff and facility personnel monitor conformance with the environmental requirements, report deficiencies to facility management, and coordinate corrective actions where appropriate. The Environmental Services section is also responsible for conducting environmental training for the organization.

## **Environmental Regulation Related to Air Emissions**

### *Cross-State Air Pollution Rule and Clean Air Interstate Rule*

Austin Energy's large facilities have been complying with the Cross-State Air Pollution Rule ("CSAPR") since 2015. On September 7, 2016, USEPA finalized an update to the CSAPR rule. The final rule lowered the State's Phase II ozone season budgets by approximately an additional 10%. Austin Energy emission of nitrogen oxide ("NOx") exceeded allocations in 2018 and 2019, resulting in the need to purchase excess allowances on the market. Allowance purchasing needs for 2021 (if any) have not been determined but are either expected to be not required or much lower with the retirement of Decker unit 1 in 2020.

## **Environmental Regulation Related to Water Discharges**

### *Cooling water intake structures*

Section 316(b) of the Clean Water Act establishes requirements to minimize the impact of cooling water intake structures on aquatic organisms. The USEPA promulgated revised standards in 2014 that require cooling water intake structures to be designed to limit organism impingement and entrainment. The rule applies to the City's Decker Creek Power Station and FPP. However, both facilities were built on reservoirs specifically made for cooling, which the rule effectively exempts from some of the major requirements. Decker was granted an exemption by the TCEQ because it is a Closed-Cycle Recirculating System (CCRS). The wastewater TPDES permit issued to Decker did not include any conditions related to 316b. The Nacogdoches Biomass Facility has a TPDES permit that includes 316b requirements. The requirement for the Nacogdoches Biomass Facility include impingement and entrainment studies to be done once during the life of the TPDES permit and quarterly intake velocity measurements. TCEQ has determined that the Nacogdoches Biomass Facility complies with Best Technology Available. There have been no issues with respect to 316b compliance at the facility. TCEQ determined that FPP complies with BTA and is also a CCRS system. There are no 316b compliance issues at FPP. Overall risk associated with this rule is believed to be low at this time.

## **Environmental Regulation Related to Hazardous Wastes and Remediation**

In January 2015, the USEPA promulgated a rule that sets new requirements for the storage of Coal Combustion Residuals ("CCRs") and potentially reclassifies those CCRs as a hazardous waste when stored in a landfill. FPP, like all coal burning plants, generates CCRs such as fly ash, bottom ash and gypsum. FPP currently recycles the majority of its CCR for beneficial use, such as for road base or as cement substitutes, with the remaining fractions stored onsite in a landfill for possible future use (recycle rates depend on market demand for the product). In 2011, Austin Energy and the LCRA completed a project to permanently close a "wet" ash pond where ash slurry had previously been sent for dewatering before recycle, and converted ash handling to a dry system. The final rule does not designate CCRs as hazardous and largely minimizes any requirements on existing CCR storage units currently at FPP. In June 2021, USEPA approved the Texas partial CCR state permit program which allows the Texas Commission on Environmental Quality (TCEQ) to issue CCR permits and enforce permit violations. The Texas program contains all the elements of the federal rule, including requirements for location restrictions, design and operating criteria, groundwater monitoring and corrective action, closure requirements and post-closure care, recordkeeping, notification and internet posting requirements. FPP is in compliance with existing CCR rule requirements and Austin Energy does not anticipate any significant future costs associated with this rule at this time.

## **Nuclear Regulation**

Nuclear generation facilities are subject to regulation by the NRC and are required to obtain liability insurance and a United States Government indemnity agreement in order for the NRC to issue operating licenses. This primary insurance and the retrospective assessment discussed below are to insure against the maximum liability under the Price-Anderson Act (described below) for any public claims arising from a nuclear incident which occurs at any of the licensed nuclear reactors located in the United States.

The South Texas Nuclear Power Plant, in which the City owns a partial interest ("STP"), is protected by provisions of the Price-Anderson Act, a comprehensive statutory arrangement providing limitations on nuclear liability and governmental indemnities even though the statutory protections for many non-commercial reactors are different. The Price-Anderson

Act is set to expire on December 31, 2025. As of June 10, 2021, the limit of liability under the Price-Anderson Act for licensees of nuclear power plants is \$13.5 billion per unit per incident, and the maximum amount that each licensee may be assessed following a nuclear incident at any insured facility is \$137.609 million per unit, subject to adjustment for inflation, for the number of operating nuclear units and for each licensed reactor, payable at \$20.496 million per year per reactor for each nuclear incident. The City and each of the other participants of STP are subject to such assessments, which will be borne on the basis of their respective ownership interests in STP. For purposes of the assessments, STP has two licensed reactors. The participants (including the City) have purchased the maximum limits of nuclear liability insurance, as required by law, and have executed indemnification agreements with the NRC, in accordance with the financial protection requirements of the Price-Anderson Act.

A Master Worker Nuclear Liability policy, with a maximum limit of \$450 million (as of June 10, 2021) for the nuclear industry as a whole, provides protection from nuclear-related claims of workers employed in the nuclear industry after January 1, 1988 who do not use the workers' compensation system as sole remedy and bring suit against another party.

NRC regulations require licensees of nuclear power plants to obtain on-site nuclear property damage insurance in a minimum amount of \$1.06 billion. NRC regulations also require that the proceeds from this insurance be used first to ensure that the licensed reactor is in a safe and stable condition so as to prevent any significant risk to the public health or safety, and then to complete any decontamination operations that may be ordered by the NRC. Any funds remaining would then be available for covering direct losses to property.

The owners of STP currently maintain \$2.75 billion of nuclear property insurance, which is above the legally required amount of \$1.06 billion for such nuclear losses (\$2.75 billion is the maximum amount available for purchase from Nuclear Electric Insurance Limited ("NEIL")). Nuclear property insurance consists of \$1.5 billion in primary nuclear property damage insurance and \$1.25 billion of excess nuclear property damage insurance, both subject to a retrospective assessment being paid by all members of NEIL. In the event that property losses as a result of an accident at any nuclear plant insured by NEIL warrants additional funds needed by NEIL, a retrospective assessment could occur. The maximum aggregate assessment under current policies for accidental outage insurance, primary and excess nuclear property damage insurance is \$51.5 million during any one policy year with insurance premiums being prorated per member share. This number changes annually and is calculated as 10 times the current premium for each policy. A small portion of the primary nuclear property damage insurance is provided by European Mutual Association for Nuclear Insurance ("EMANI") which is also subject to retrospective assessment of up to \$2.147 million, which is six times the current calendar year premium.

The NRC regulations set forth minimum amounts required to demonstrate reasonable financial assurance of funds for decommissioning of nuclear reactors. Beginning in 1990, each holder of an operating license is required to submit to the NRC a bi-annual report indicating how reasonable assurance would be provided. The City provides the required report on its share of STP to the NRC which is based on the minimum amount for decommissioning, excluding waste disposal, as required by the NRC regulations of \$105 million per unit (January 1986 dollars). This minimum is required to be adjusted annually in accordance with the adjustment factor formula set forth in the regulations. The 2020 report provided by the City based reasonable assurance on the minimum amount (January 1986 dollars) as adjusted by the adjustment factor formula set forth in the regulations. The City established an external irrevocable trust for decommissioning with JPMorgan Chase Bank, N.A, and as of October 2016, transferred the trust to Wilmington Trust, National Association. The City has been collecting for its share of anticipated decommissioning activities, which may begin as early as 2047, through its rates since Fiscal Year 1989. The market value of assets held in the decommissioning trust as of August 31, 2021 was \$239,441,100. For Fiscal Year 2021, Austin Energy estimates that it will continue to collect approximately \$5 million for decommissioning expense. In 2018 dollars, the minimum amount for decommissioning the City's share of STP is \$397 million. See "INVESTMENTS – Legal Investments" in this document.

### **Events Affecting the Nuclear Industry**

On March 11, 2011, a region of Japan sustained significant loss of life and destruction because of a major earthquake and resulting tsunami. Included in the damage areas were the Fukushima nuclear units, which lost power to components of the backup and safety control systems and began emitting radiation into the surrounding environment. Following the incident, the NRC began looking into the safety aspects of nuclear plant operations in the United States with the objective of assuring that events such as those at the Fukushima plant do not occur in this country. On August 31, 2012, the NRC issued Interim Staff Guidance ("ISG") to U.S. nuclear power plants to ensure proper implementation of three orders the agency issued in March 2012, in response to lessons learned from the Fukushima Daiichi nuclear accident. The ISGs represent acceptable approaches to meeting the orders' requirements before their December 31, 2016 compliance deadline.



The ISGs are not mandatory, but U.S. nuclear power plants would have to seek NRC approval in order to follow a different compliance approach. As detailed below, all required actions by STP related to these orders have been completed and accepted by the NRC.

The first NRC order requires all U.S. plants to better protect portable safety equipment put in place after the 9/11 terrorist attacks and to obtain sufficient equipment to support all reactors and spent fuel pools at a given site simultaneously. The ISG for this order endorses the industry's updated guidance for dealing with a scenario that knocks out all of a plant's alternating current electric sources. The updated approach includes the use of backup power supplies for devices that would burn off accident-generated hydrogen before it could accumulate to explosive levels. The staff concludes the updated approach will successfully implement the first NRC order. The ISG is available in the Agencywide Document Access and Management System ("ADAMS") under accession number ML12229A174; the associated industry document is available under accession number ML12242A378. STP has completed engineering design and installation of equipment and modifications to address these requirements, and has had the final closeout inspection by the NRC. The NRC has accepted STP's completion letter and no further action is required for this order.

The second NRC order applies only to U.S. boiling-water ("BWR") reactors that have "Mark I" or "Mark II" containment designs. Mark I reactors must improve installed venting systems that help prevent core damage in the event of an accident; Mark II reactors must install these venting systems. The ISG for this order provides more detailed technical information on the vents, as well as how vent designs and operating procedures should avoid, where possible, relying on plant personnel taking actions under hazardous conditions. The second ISG is available in ADAMS under accession number ML12229A475. Since the STP units are Pressurized Water Reactors and not BWR's, no changes are required.

The third NRC order requires all plants to install enhanced equipment for monitoring water levels in each plant's spent fuel pool. The ISG for this order largely endorses an industry document that the staff concludes will successfully implement the order. The ISG defines in more detail the water levels the new equipment must accurately report, as well as standards for equipment mounting, powering and testing, personnel training and other criteria. The final ISG notes several areas, including instrument qualifications and instrument protection from falling debris, where the industry revised its initial approach. An exception in the staff's endorsement sets specific seismic criteria to ensure the instruments will survive an earthquake. This ISG is available in ADAMS under accession number ML12221A399; the associated industry document is available under accession number ML12240A304. STP has completed engineering design and installation of equipment and modifications to address these requirements and has had the final closeout inspection by the NRC. The NRC has accepted STP's completion letter and no further action is required for this order.

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**COMPARATIVE ANALYSIS OF ELECTRIC UTILITY SYSTEM  
AND WATER AND WASTEWATER SYSTEM OPERATIONS  
OCTOBER 1, 2015 TO SEPTEMBER 30, 2020**  
(in thousands rounded)

	Fiscal Year Ended September 30				
	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>
INCOME					
Revenue	\$1,959,941	\$2,031,435	\$1,998,556	\$1,974,948	\$1,941,815
Operating Expense	<u>(1,332,726)</u>	<u>(1,366,470)</u>	<u>(1,334,151)</u>	<u>(1,252,196)</u>	<u>(1,207,225)</u>
Balance Available for Debt Service	627,215	664,965	664,405	722,752	734,590
Depreciation and Amortization Expense	<u>(413,711)</u>	<u>(327,840)</u>	<u>(290,323)</u>	<u>(284,451)</u>	<u>(272,769)</u>
Earnings Before Interest Expense	213,504	337,125	374,082	438,301	461,821
Interest Incurred on Debt	(154,451)	(148,596)	(148,659)	(163,851)	(168,956)
Other	<u>2,728</u>	<u>(11,113)</u>	<u>(13,061)</u>	<u>(12,505)</u>	<u>(748)</u>
INCOME (LOSS) BEFORE TRANSFERS (1) (2) (3) (4)	<u>\$61,781</u>	<u>\$177,416</u>	<u>\$212,362</u>	<u>\$261,945</u>	<u>\$ 292,117</u>
PERCENTAGES					
Revenue	100.00%	100.00%	100.00%	100.00%	100.00%
Operating Expense	<u>(68.00%)</u>	<u>(67.27%)</u>	<u>(66.76%)</u>	<u>(63.40%)</u>	<u>(62.17%)</u>
Balance Available for Debt Service	32.00%	32.73%	33.24%	36.60%	37.83%
Depreciation and Amortization Expense	<u>(21.11%)</u>	<u>(16.14%)</u>	<u>(14.53%)</u>	<u>(14.40%)</u>	<u>(14.05%)</u>
Earnings Before Interest Expense	10.89%	16.60%	18.72%	22.19%	23.78%
Interest Incurred on Debt	(7.88%)	(7.31%)	(7.44%)	(8.30%)	(8.70%)
Other	<u>0.14%</u>	<u>(0.55%)</u>	<u>(0.65%)</u>	<u>(0.63%)</u>	<u>(0.04%)</u>
INCOME (LOSS) BEFORE TRANSFERS	<u>3.15%</u>	<u>8.73%</u>	<u>10.63%</u>	<u>13.26%</u>	<u>15.04%</u>

(1) Income before transfers to the General Fund and Other Funds for the 12 months ended September 30, 2020. Transfers are as follows (in thousands rounded):

Transfer to General Fund \$158,486  
Transfers to Other Funds \$13,182

(2) Excludes Combined Utility Funds' deferred costs recovered in future years of (\$68,415) for the 12 months ended September 30, 2020 (in thousands rounded).

(3) Excludes capital contributions of \$135,796 for the 12 months ended September 30, 2020 (in thousands rounded).

(4) Excludes other post-employment benefits ("OPEB") and net pension liability accruals. These amounts for the 12 months ended September 30, 2020 were \$56,561 and \$46,289, respectively (in thousands rounded).

Source: City Controller's Office.

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**OPERATING STATEMENT**  
**ELECTRIC UTILITY SYSTEM AND WATER AND WASTEWATER SYSTEM**  
(in thousands rounded)

	Fiscal Year Ended September 30				
	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>
<b>REVENUE</b>					
<b>ELECTRIC UTILITY</b>					
Domestic and Rural Residential	\$499,031	\$499,861	\$489,985	\$456,576	\$321,985
Commercial General	687,295	745,974	711,457	719,532	861,208
Sales to Other Utilities	30,354	47,092	50,482	44,331	42,119
Transmission	83,791	81,734	78,616	78,049	75,926
Rent from Electric Property	10,227	7,736	3,620	3,204	3,750
Customers' Forfeited Discounts and Penalties	2,611	5,540	5,966	5,424	6,352
Miscellaneous	<u>\$60,247</u>	<u>\$59,362</u>	<u>\$60,397</u>	<u>\$55,016</u>	<u>\$58,887</u>
Total Electric Utility	<u>\$1,373,556</u>	<u>\$1,447,299</u>	<u>\$1,400,523</u>	<u>\$1,362,132</u>	<u>\$1,370,227</u>
<b>WATER UTILITY</b>					
Water Services	288,337	275,095	290,868	312,491	290,646
Miscellaneous Revenue	12,162	8,444	6,528	5,458	2,607
Revenue Stability Fee	2,073	1,901	4,850	5,098	7,223
Reserve Fund Surcharge	-	-	-	-	-
Reclaimed Revenue	<u>2,499</u>	<u>2,013</u>	<u>1,936</u>	<u>1,515</u>	<u>1,384</u>
Total Water Utility	<u>\$305,071</u>	<u>\$287,453</u>	<u>\$304,182</u>	<u>\$324,562</u>	<u>\$301,860</u>
<b>WASTEWATER UTILITY</b>					
Wastewater Services	256,298	258,349	265,798	271,715	257,161
Miscellaneous Revenue	4,756	5,769	5,086	2,803	2,813
Reclaimed Revenue	-	-	-	-	-
Total Wastewater Utility	<u>\$ 261,054</u>	<u>\$ 264,118</u>	<u>\$ 270,884</u>	<u>\$274,518</u>	<u>\$259,974</u>
Interest	<u>\$20,260</u>	<u>\$32,565</u>	<u>\$22,967</u>	<u>\$13,736</u>	<u>\$9,754</u>
<b>TOTAL REVENUE</b>	<u>\$1,959,941</u>	<u>\$2,031,435</u>	<u>\$1,998,556</u>	<u>\$1,974,948</u>	<u>\$1,941,815</u>

Source: City Controller's Office.

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**OPERATING STATEMENT**  
**ELECTRIC UTILITY SYSTEM AND WATER AND WASTEWATER SYSTEM – (Continued)**  
(in thousands rounded)

<u>EXPENSE</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>
<b>ELECTRIC UTILITY</b>					
Production	\$163,250	\$208,231	\$179,981	\$173,860	\$215,562 (3)
Joint Facility Production	199,734	189,141	218,373	162,343	162,166 (3)
System Control	19,007	21,490	26,454	19,423	19,371
Transmission and Distribution	216,225	198,816	193,291	188,583	176,675
Jobbing and Contract Work	2,098	2,222	1,625	1,207	1,207
Customer Accounting and Collection	24,224	25,457	9,515	16,203	15,946
Customer Services	23,817	24,948	27,435	28,928	25,521
Administrative and General	<u>418,311</u>	<u>435,161</u>	<u>427,253</u>	<u>428,057</u>	<u>373,320</u>
Total Electric Utility	<u>\$1,066,666</u>	<u>\$1,105,466</u>	<u>\$1,083,927</u>	<u>\$1,018,604</u>	<u>\$989,768</u>
<b>WATER UTILITY</b>					
Operations (1)	\$73,672	\$71,373	\$68,108	-	-
Treatment (1)	-	-	-	37,456	37,835
Pipeline Operations (1)	-	-	-	26,547	23,795
Engineering Services	4,853	5,572	4,512	3,876	3,296
Water Resources Management	4,126	3,901	3,586	3,923	3,733
Environmental Affairs & Conservation	9,411	7,496	7,780	7,264	7,880
Support Services - Utility	15,794	21,899	14,168	12,571	11,444
One Stop Shop	-	0	164	294	225
Reclaimed Water Services	1,652	1,312	534	526	(2,989)
Other Operating Expenses	<u>33,980</u>	<u>27,580</u>	<u>31,814</u>	<u>31,290</u>	<u>31,577</u>
Total Water Utility	<u>\$143,488</u>	<u>\$139,133</u>	<u>\$130,666</u>	<u>\$123,747</u>	<u>\$116,796</u>
<b>WASTEWATER UTILITY</b>					
Operations (1)	\$66,473	\$65,585	\$62,412	-	-
Treatment (1)	-	-	-	40,911	38,544
Pipeline Operations	-	-	-	18,825	17,048
Engineering Services	8,030	6,936	7,200	6,317	5,263
Water Resources Management	4,786	4,673	4,427	4,526	4,150
Environmental Affairs & Conservation	3,098	3,013	3,088	2,819	2,925
Support Services - Utility	15,789	21,791	13,767	12,821	11,454
One Stop Shop	-	-	-	441	361
Other Operating Expenses	<u>24,396</u>	<u>19,873</u>	<u>28,664</u>	<u>23,185</u>	<u>20,916</u>
Total Wastewater Utility	<u>\$ 122,572</u>	<u>\$ 121,871</u>	<u>\$ 119,558</u>	<u>\$ 109,845</u>	<u>\$ 100,661</u>
<b>TOTAL EXPENSE (2)</b>	<u>\$ 1,332,736</u>	<u>\$ 1,366,470</u>	<u>\$1,334,151</u>	<u>\$1,252,196</u>	<u>\$1,207,225</u>
<b>NET REVENUE AVAILABLE FOR DEBT SERVICE</b>	<u>\$627,215</u>	<u>\$664,965</u>	<u>\$ 664,405</u>	<u>\$ 722,752</u>	<u>\$ 734,590</u>
Electric Customers	507,660	496,258	485,204	472,701	469,534
Water Customers	243,820	239,291	235,174	231,014	227,432
Wastewater Customers	230,127	225,940	221,862	217,794	214,373

- (1) 'Treatment' and 'Pipeline Operations' line items were combined and reclassified as 'Operations' beginning in fiscal year 2018.  
(2) Interest expense, depreciation, amortization, other non-operating items, net pension liability and OPEB accrual are not included in total expense.  
(3) Numbers may vary due to changes in customer classifications.  
Source: City Controller's Office.

## **DISCUSSION OF OPERATING STATEMENT**

### **Austin Energy Revenues**

Variations in total Austin Energy revenues for the fiscal years (“FY”) ended September 30, 2016 through September 30, 2020 were attributable to changes in cost of fuel for power generation and weather variations. Total fuel costs are passed through to the consumer.

### **Water and Wastewater System Revenues**

Variations in Water and Wastewater System revenues for the period FY 2016 through FY 2020 were largely attributable to weather and system rate changes, including imposition of Stage 2 watering restrictions beginning in September 2011. See “WATER SYSTEM – Water Use Management Plans, Austin’s Integrated Water Resource Plan and LCRA Water Management Plans” and “COMBINED WATER AND WASTEWATER SYSTEM INFORMATION – Water and Wastewater Rates” in this document.

### **Austin Energy Expenses**

Changes in Austin Energy expenses for the period FY 2016 through FY 2020 were largely attributable to changes in the cost of fuel for power generation and general inflationary increases in other expense categories.

### **Water and Wastewater System Expenses**

Changes in Water and Wastewater System expenses for the period FY 2016 through FY 2020 were primarily attributable to inflationary increases in the cost of power and chemicals, along with system growth.

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**The Electric Utility System and Water and Wastewater System (000's)**

	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>
<b>Plant Cost</b>					
Utility Systems					
Electric	\$6,418,934	\$6,179,413	\$5,574,059	\$5,428,545	\$5,288,802
Water	3,077,482	2,983,187	2,903,016	2,817,554	2,736,990
Wastewater	<u>2,812,618</u>	<u>2,698,343</u>	<u>2,616,571</u>	<u>2,529,448</u>	<u>2,416,799</u>
Total Cost	<u>\$12,309,034</u>	<u>\$11,860,943</u>	<u>\$11,093,646</u>	<u>\$10,775,547</u>	<u>\$10,442,591</u>
Allowance for Depreciation:					
Electric	3,451,096	3,175,348	2,978,260	2,827,731	2,678,849
Water	985,972	926,457	869,971	811,230	752,394
Wastewater	<u>1,187,002</u>	<u>1,123,127</u>	<u>1,060,395</u>	<u>996,455</u>	<u>935,782</u>
Total Depreciation	<u>\$5,624,070</u>	<u>\$5,224,932</u>	<u>\$4,908,626</u>	<u>\$4,635,416</u>	<u>\$4,367,025</u>
Cost after Depreciation	<u>\$6,684,964</u>	<u>\$6,636,011</u>	<u>\$6,185,020</u>	<u>\$6,140,131</u>	<u>\$6,075,566</u>
<b>Equity in Utility Systems</b>					
Utility Systems	12,309,034	11,860,943	\$11,093,646	\$10,775,547	\$10,442,591
Plus: Inventories, Materials and Supplies (1)	69,575	66,269	55,025	53,528	55,187
Net Construction Assets and Unamortized Bond Issue Cost	<u>141,133</u>	<u>148,739</u>	<u>109,641</u>	<u>104,331</u>	<u>114,533</u>
	<u>\$12,519,742</u>	<u>\$12,075,951</u>	<u>\$11,258,312</u>	<u>\$10,993,406</u>	<u>\$10,612,311</u>
Less:					
Allowance for Depreciation	<u>\$5,624,070</u>	<u>\$5,224,932</u>	<u>\$4,908,626</u>	<u>\$4,635,416</u>	<u>\$4,367,025</u>
Utility Systems, Net	<u>\$6,895,672</u>	<u>\$6,851,019</u>	<u>\$6,349,686</u>	<u>\$6,297,990</u>	<u>\$6,245,285</u>
Revenue Bonds and Other Debt Outstanding (2)	\$4,537,293	\$4,487,193	\$3,979,273	\$4,011,156	\$4,014,446
Net Debt	\$4,537,293	\$4,487,193	\$3,979,273	\$4,011,156	\$4,014,446
Equity in Utility Systems	<u>\$2,358,379</u>	<u>\$2,363,826</u>	<u>\$2,370,413</u>	<u>\$2,286,834</u>	<u>\$2,230,840</u>
Percentage of Equity in Utility Systems	34.20%	34.50%	37.33%	36.31%	35.72%

(1) Does not include fuel, oil or coal inventories of approximately \$30,837 million at September 30, 2020. Consists primarily of spare parts inventory at Fayette Plant and South Texas Project.

(2) Includes Revenue Bonds and Tax and Revenue Bonds of \$4,166,548 (net of discounts and inclusive of premiums); Capital Lease Obligations of \$819; Commercial Paper of \$366,480; General Obligation Bonds of \$2,148; and Contractual Obligation Bonds of \$1,298.

Source: City Controller's Office



## LITIGATION

A number of claims against the City, as well as certain other matters of litigation, are pending with respect to various matters arising in the normal course of the City's operations. The City Attorney and the City management are of the opinion that resolution of the claims pending (including the matters described below) will not have a material adverse effect on the City's financial condition or the financial condition of the Electric Utility System or of the Water and Wastewater System.

### Electric Utility System Litigation

On May 3, 2017, Data Foundry, Inc., filed a lawsuit against the City (Cause No. D-1-GN-17-000937 in the 419th Judicial District Court of Travis County, Texas), alleging that the ERCOT nodal market design disqualifies the City's electric generation assets from being considered as used and useful for the purpose of establishing rates for electric service to the City's retail customers, and otherwise challenging the reasonableness of the City's rate of return and debt service coverage levels. The lawsuit seeks declaratory relief that the City's current retail electric rates are unlawful due to the inclusion of costs and return related to generation assets, and seeks a permanent injunction against the City's establishing electric rates that include costs and return related to generation assets and operations.

The electric utility has received service in several property damage lawsuits and one wrongful death lawsuit, as well as several notices of subrogation from insurers, relating to outages caused by the February 2021 winter storm event that affected the ERCOT system.

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## THE CITY

### Administration

Incorporated in 1839, the City operates under a Council-Manager form of government under its Home Rule Charter. The City Council is comprised of an eleven-member council, with the Mayor elected at-large, and the remaining members elected from ten single-member districts. Councilmembers, including the Mayor, serve a four-year term, with the terms staggered so that every two years five of the councilmembers and the Mayor stand for election, and five councilmembers stand for election two years later. See “APPENDIX A – GENERAL INFORMATION REGARDING THE CITY – General Information” in this document.

By charter, the City Council appoints a City Manager for an indefinite term who acts as the chief administrative and executive officer of the City. The duties include, among others, the supervision of all City departments, the preparation and administration of an annual budget and the preparation of a report on the finances and administrative activities of the City.

### City Manager – Spencer Cronk

Mr. Spencer Cronk joined the City as City Manager on February 12, 2018. Before joining the City, Mr. Cronk was Minneapolis City Coordinator (City Administrator). He directed the management of Minneapolis city government by assisting the Mayor and City Council in defining city policy and establishing priorities, mobilizing department heads and staff to implement the Mayor and Council’s priorities, and working to strengthen the management and administrative systems of the city. Mr. Cronk previously served as Commissioner of the Minnesota Department of Administration, a role he was appointed to by Minnesota Governor Mark Dayton in 2011. As Commissioner, Mr. Cronk led the state’s real property, purchasing, fleet, demographic analysis and risk management divisions responsible for more than \$2 billion in state purchasing and the historic renovation of the Minnesota State Capitol. Additionally, Mr. Cronk served as chair of the Minnesota Public Data Governance Advisory Committee, and as a member of the Environmental Quality Board and the Minnesota Indian Affairs Council. Before joining the State of Minnesota, Mr. Cronk served as executive director of organizational development and senior advisor for the Department of Small Business Services for the City of New York, under former Mayor Michael Bloomberg. His accomplishments there included the design and implementation of a comprehensive performance-management system and the development of a program for integrating new employees, which was used citywide as a best practice template for the City of New York’s 300,000 employees. Mr. Cronk has served a number of community organizations and agencies, including as an Advisory Council member for Northern Spark, a member of the Minnesota Advisory Board of the Trust for Public Land, and a member of the Itasca Project Task Force on Socioeconomic Disparities in the Twin Cities. He was a recipient of the Minneapolis/St. Paul Business Journal’s “40 Under 40” Award in 2013. Mr. Cronk received his bachelor’s degree with honors from the University of Wisconsin–Madison. He is a graduate of Harvard University’s Senior Executives in State and Local Government Program and was a Public Affairs Fellow with the Coro New York Leadership Center.

### Interim Deputy City Manager – Anne Morgan

Ms. Anne Morgan was appointed Interim Deputy City Manager on May 10, 2021. She oversees the City’s strategic outcome “Government that Works for All.” See “APPENDIX A – GENERAL INFORMATION REGARDING THE CITY – General Information” in this document. Ms. Morgan is a lawyer and joined the City in 2004 as the Chief of Litigation. She was promoted to Deputy City Attorney in 2011 and the City Manager appointed her to be the City Attorney in 2015. Before joining the City, Ms. Morgan worked in the Texas Attorney General’s office as an Assistant Attorney General and then the Deputy Division Chief of Tort Litigation. While there she represented numerous state entities including all of the state university teaching hospitals and their physicians. Ms. Morgan has had her own law firm that specialized in medical malpractice and mediation, and she began her career in Washington D.C. representing federal employees. Ms. Morgan is a graduate of Phillips Exeter Academy, the University of Texas, and the Washington College of Law at American University in Washington, D.C. She has received both the Pathfinder Award and the Government Service Award from the Travis County Women Lawyers Association, served as a volunteer mediator for the Travis County Bar Association, and served on the boards for Goodwill Industries of Central Texas, Reading is Fundamental, and Austin Groups for the Elderly.

### **Chief Financial Officer – Ed Van Eenoo**

Mr. Ed Van Eenoo was appointed Chief Financial Officer on December 6, 2020 and oversees the City's Financial Services Department, consisting of Austin Police Financial Services, Budget Office, Capital Contracting Office, Controllers Office, Office of Performance Management, Office of Real Estate, Office of Telecommunication & Regulatory Affairs, Purchasing Office, and Treasury Office. Prior to his appointment as Chief Financial Officer, Mr. Van Eenoo served as Deputy Chief Financial Officer for eight years and as the Budget Officer at the City for four years. Before joining the City, he spent nine years with the City of Chula Vista including time as a Fiscal and Management Analyst, Assistant Director of Budget and Analysis, and four years as the Director of Budget and Analysis. Mr. Van Eenoo received a Bachelor of Science degree in Economics from The University of Eastern Michigan and a Master of Science degree in Applied Economics from Virginia Tech University.

### **Deputy Chief Financial Officer – Diana Thomas**

Ms. Diana Thomas currently serves as Deputy Chief Financial Officer, where she oversees the Controller's Office, the Office of Telecommunications and Regulatory Affairs, Austin Police Financial Services, and the Financial Services Department's IT division. She was appointed to the Deputy Chief Financial Officer position in June 2021 after serving as the City's Controller from 2008 to 2021. Ms. Thomas started her career with the City in 1992 and has held various financial positions during her tenure. In 2006, she led the implementation of the City's new financial system. Ms. Thomas received her Bachelor of Business Administration degree in Finance from the University of Texas at Austin and is a licensed CPA in the state of Texas.

### **Deputy Chief Financial Officer – Kimberly Olivares**

Ms. Kimberly Olivares currently serves as Deputy Chief Financial Officer, where she oversees Treasury, strategic facility delivery (P3s), tax increment reinvestment zone (TIRZ) and public improvement district (PID) financing, and Financial Services Department administrative staff. Ms. Olivares joined the City in 2003 and has held positions in the City Manager's Office, Public Works Department, and Financial Services Department. Previously, she was the Chief Performance Officer leading the City's commitment to instilling a culture of continuous learning and improvement throughout the organization through strategic plan organizational alignment and culture change, performance measurement and data analytics, and process improvement consulting. Ms. Olivares was also the Deputy Budget Officer for the City, managing the capital improvement program financial services, Budget Office information technology support team, and performance measurement program. She received a B.A. from the University of Notre Dame, a Master of Public Affairs degree from the Lyndon B. Johnson School of Public Affairs at the University of Texas at Austin, and a Master of Business Administration degree from St. Edward's University. Ms. Olivares has also worked for the City of Southlake, Texas, and the City of Tampa, Florida. As a representative of the City of Austin, she is very active with the Government Finance Officers Association and serves as the Chair of its Committee on Economic Development and Capital Planning.

### **Services Provided by the City**

The City's major activities include police and fire protection, emergency medical services, parks and libraries, public health and social services, planning and zoning, general administrative services, solid waste disposal, maintenance of bridges, streets and storm drains. The City owns and operates several major enterprises including electricity (Austin Energy), water and wastewater (Austin Water), airport (Austin-Bergstrom International Airport) and two public event facilities.

### **Employees**

Municipal employees are prohibited from engaging in strikes and collective bargaining under State law. An exception allows fire and police employees to engage in collective bargaining (but not the right to strike) after a favorable vote of the electorate. The voters have approved collective bargaining for fire fighters but not for police officers. Approximately 15% of the City's employees are members of the American Federation of State, County and Municipal Employees, 8% are members of the American Police Association and 7% are members of the International Association of Fire Fighters.

The City does not have automatic escalators in payroll or in its retirement systems. The retirement systems may grant cost-of-living increases up to 6% for municipal employees and 6% for police officers and a percentage based on the amount of increase in the Consumer Price Index for the firefighters, but only if recommended by an independent actuary and approved by the retirement boards.

## **Annexation Program**

Chapter 43 of the Texas Local Government Code regulates annexation of property by Texas municipalities. Under current state law, landowner and/or voter approval is required as part of the process for the annexation of territory into a city. The process varies depending on the characteristics of the area being considered for annexation, generally involving a petition from each landowner, a petition signed by registered voters and owners of land in the area, or an election at which qualified voters approve the proposed annexation. Additionally, the process involves staff review, development of a written service agreement (or regulatory plan for a limited purpose annexation), notification, publication of a newspaper notice, public hearings, and ordinance approval.

Upon approval, the City provides a wide range of services to the annexed area – police and fire protection, emergency medical services, solid waste collection, and maintenance of public facilities such as water and wastewater, roads, streets, and parks. Failure to provide municipal services in accordance with the service plan may provide grounds for a petition and court action to compel compliance with the service plan or to disannex the area, and may also result in a refund of taxes and fees collected for services not provided. The City has never been forced to disannex due to such failure.

Some of the areas which may be considered for annexation include developed areas for which water, sewer, and drainage services are being provided by utility districts created for such purposes. Existing utility districts, as well as new districts that may be created from time to time, may issue bonds for their own improvements. Such bonds are generally payable from the receipts of ad valorem taxes imposed by the district and, in some cases, are further payable from any net revenues derived from the operation of its water and sanitary sewer systems. State law generally requires that if a city annexes a district, then the district must be annexed in its entirety. Upon annexation by a city, a district is dissolved and the city assumes the district's outstanding bonds and other obligations. The City then levies and collects ad valorem taxes on taxable property within the corporate limits of the city, including the districts, sufficient to pay the principal of and interest on such assumed bonds.

The City also assumes liabilities when it annexes land in an Emergency Services District (“ESD”) and that land is disannexed from the ESD. This liability, however, is limited to assumption of a pro-rata share of debt and assumption of those facilities directly used to provide service to the area.

The City Charter and the State's annexation laws provide the City with the ability to undertake two types of annexation. “Full purpose” annexation discussed above, annexes territory into the City for all purposes, including the assessment and collection of ad valorem taxes on taxable property. The second type of annexation is known as “limited purpose” annexation by which territory may be annexed for the limited purposes of “Planning and Zoning” and “Health and Safety.” Territory so annexed is subject to ordinances relating to these purposes: chiefly, the City's zoning ordinance, building code, and related ordinances regulating land development. Taxes may not be imposed on property annexed for a limited purpose because municipal services are not provided and residents of the area are restricted to voting only in City elections for City Council and Charter amendments.

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## Annexations

The following table sets forth (in acres) the City's annual annexations since 2011.

<u>Calendar Year</u>	<u>Full Purpose Acres</u> <sup>(1)</sup>	<u>Limited Purpose Acres</u>
2011	726	0
2012	3,387	3,818
2013	3,484	594
2014	897	136
2015	1,911	3
2016	311	0
2017	1,283	0
2018	136	0
2019	185	166
2020	65	0
2021	92 <sup>(2)</sup>	0

(1) Includes acres converted from limited purpose to full purpose status.

(2) Includes annexations anticipated to be completed by 12/31/2021.

## Recent Annexation

In 2020 and 2021, the City conducted full purpose annexations of greenfield land at the request of property owners. The 157 acres annexed during this time were proposed for development as residential and light industrial uses. In 2019, the City annexed for limited purposes several recently acquired and vacant outparcels located in the Pilot Knob MUD development project. Additionally, at the landowner's request, the City annexed for full purposes a 126-acre undeveloped parcel which the landowner plans to develop into a corporate campus.

In 2018, the City annexed and dissolved the Cascades MUD No. 1 at the request of the property owner. At the time of annexation the area was undeveloped and the MUD had not issued any debt. The property owner determined that the proposed Cascades at Onion Creek subdivision could be developed as originally planned without the need for a MUD and the City agreed to annex and dissolve the MUD. The taxable assessed value ("TAV") at the time of annexation was \$584,827.

The largest of the 2017 annexations was the River Place MUD area which converted approximately 1,040 acres from the City's limited purpose jurisdiction to full purpose. This area included an estimated population of approximately 3,125 persons. In addition, the City annexed several commercial properties in south Austin. The total TAV for these areas at the time of annexation was \$697.2 million.

The City's 2016 annexation program included the full purpose annexation of five areas containing approximately 311 acres. With the exception of a small amount of office/warehouse/commercial uses, these areas were largely undeveloped at the time of annexation. Approved development plans include an additional 651 single-family homes and 97 multi-family units. The TAV for these areas at the time of annexation was approximately \$19.3 million.

In 2015 the City annexed eleven areas for full purposes and one area for limited purposes. These areas included an estimated total population of approximately 3,912 persons, mainly within the Lost Creek subdivision. Approved development plans for the remaining areas include an additional 1,944 single-family homes. The TAV for these areas at the time of annexation was approximately \$25.4 million.

## Future Annexation

Annexations continue to be considered at the request of property owners. No large-scale annexations are currently scheduled in the near future.

## Pension Plans

The City has three contributory defined benefit retirement plans for its general municipal, fire, and police employees. These three plans include the City of Austin Employees' Retirement System ("COAERS"), the City of Austin Police Retirement System (the "Police Retirement System") and the City of Austin Fire Fighters Relief and Retirement Fund (the "Fire Fighters

Retirement Fund”). These plans are single employer funded plans each, with a fiscal year end of December 31. The three retirement plans cover substantially all full-time employees. State law requires the City to make contributions to the plans in an amount at least equal to the contribution of the employee group and for the Police Retirement System an actuarially determined contribution model will become effective in 2022. The contributions made by the City to the COAERS include amounts allocable to the City employees within Austin Energy, Austin Water and the City’s Aviation Department (“Aviation”); the contributions allocable to such employees are paid from gross revenues of the respective systems and constitute operating expenses of Austin Energy, Austin Water, and Aviation, respectively.

As of October 1, 2020, municipal employees contribute 8.0% and the City contributes 18.0% of payroll to the COAERS, however, effective January 1, 2021, the City’s contribution to the COAERS increased to 19.0% of payroll. Fire fighters (who are not members of the Social Security System) contribute 18.7% of payroll, and the City contributes 22.05% to the Fire Fighters Retirement Fund. Police officers contribute 13.0% and the City contributes 21.737% of payroll to the Police Retirement System. The contributions to the pension plans are designed to fund current service costs and to amortize the unfunded actuarial accrued liability. As of December 31, 2020, the amortization period of the unfunded actuarial accrued liability was 32 years for the COAERS, 30 years for the Police Retirement System, and 23.3 years for the Fire Fighters Retirement Fund.

The City’s net pension liability was measured as of December 31, 2020 for each of the City’s three pension plans. Information on the liabilities and funding measurements of each plan is discussed below.

City of Austin Employees’ Retirement System (COAERS)...The members of the COAERS include City civilian and EMS employees as well as pension system employees. The COAERS provides plan members with a monthly pension payment derived from a predetermined formula based on length of service, salary history, and payout options. There are two groups in this plan with a vesting period of five years for both plans. Employees hired prior to January 1, 2012 are eligible to retire at any age after 23 years of service, at age 55 with 20 years of service, or at 62 with 5 years of service. The annual retirement benefit is calculated by multiplying the number of years of service by the average of the three highest earning years out of the last 10 years worked; this amount is then multiplied by 3%. Employees hired on or after January 1, 2012 follow a similar structure with modified factors: retirement eligibility occurs at age 62 with 30 years of service, or at 65 with 5 years, and the multiplier is 2.5%. The plan changes creating the second group were implemented in order to address long-term structural imbalances in the plan.

As of December 31, 2020, the COAERS reported a total net pension liability of \$1.5 billion, of which \$307.5 million is allocable to Austin Energy, \$160.8 is allocable to Austin Water, and \$61.1 is allocable to Aviation. The COAERS’ fiduciary net position as a percentage of the total pension liability was 68.1%. The actuarial accrued liability for the COAERS as of December 31, 2020 was \$4.7 billion and the funded ratio was 65.3%. As of December 31, 2019, the COAERS reported a net pension liability of \$1.6 billion with a plan fiduciary net position as a percentage of the total pension liability of 65.2%. The actuarial accrued liability for the COAERS was \$4.5 billion and the funded ratio was 63.5%. The COAERS had no changes of assumptions or benefit terms that affected the total pension liability for the 2020 measurement period.

The COAERS funding policy is to maintain contribution rates sufficient to cover the normal cost of the plan and to amortize any unfunded actuarial accrued liabilities over a period not to exceed 25 years. Currently, the total contribution rate is sufficient to amortize the System’s unfunded liabilities in approximately 32 years, a decrease from the 40-year amortization period in the previous year. Since 2005, the City has taken certain actions intended to improve the long-term financial health of the COAERS, including increased City contributions, the establishment of a second, lesser benefit tier for new employees hired on or after January 1, 2012 and a reduction in the pension multiplier. The City intends to explore additional plan changes as discussed in more detail below.

Police Retirement System...The members of the Police Retirement System include all cadets, upon enrollment in the Austin Police Academy, commissioned law enforcement officers employed by the City’s Police Department, and full-time employees of the Police Retirement System. The Police Retirement System provides retirement, death, and disability benefits to plan members and their beneficiaries.

In 2021, the City and Police Retirement System collaborated on legislation that addresses that system’s liabilities and places it on an actuarially sound path. The 87<sup>th</sup> Texas Legislature enacted, and the Governor signed, legislation that includes the following reforms, which are effective on January 1, 2022:

- Establishing a new benefit tier for new sworn police officers with the following benefit parameters:
  - a 2.5% multiplier;
  - retirement eligibility at age 50 and 25 years of service; and,
  - average salary calculated on the highest 60 months;
- Increasing employee contributions from 13% to 15%;
- Increasing City contributions to cover the legacy unfunded liability as of December 31, 2020;
- Establishing an actuarially determined contribution model to replace the current fixed contribution mode;
- Removal of authority of the Police Retirement System Board to provide cost of living adjustments, change member benefits or member contribution rates; and
- Reform of the governance structure by replacing one active member seat to a citizen seat appointed by City Council.

Initially City contributions will increase 4% with additional City contribution increases relating to initial risk-sharing valuation and legacy liability to be phased in over 3 years. The proposed FY 2021-22 budget includes an additional \$6 million to begin funding the additional City contributions.

The Police Retirement System provides plan members with a monthly pension payment derived from a predetermined formula based on length of service, salary history, and payout options. Benefits are vested after 10 years. For employees hired prior to January 1, 2022, benefits are based on the years of service times the highest 36 months of salary in the last 10 contributing years of service. A multiplier of 3.2% is applied to the years of service. Eligibility occurs with 23 years of creditable service, at age 55 with 20 years of service, or at age 62. For employees hired on or after January 1, 2022, the highest months of salary is increased to 60 months, the multiplier is decreased to 2.5%, and eligibility is at age 50 with 25 years of service or at age 62.

As of December 31, 2020, the Police Retirement System reported a net pension liability of \$605.9 million for the 2020 plan year, which is a decrease from the \$1.3 billion net pension liability reported for the prior 2019 plan year. The fiduciary net position as a percentage of the total pension liability increased to 60.8% for the 2020 plan year from 39.4% in the prior year. There were no changes to the actuarial assumptions and methodology during the most recent plan year. For plan year 2019, the Police Retirement System adopted changes to certain plan assumptions in May 2019, based on an experience study conducted in 2019, including a reduction to the investment return assumption (from 7.75% to 7.25%), a reduction of payroll growth assumption and adoption of a new mortality table. The assumption changes, among other contributing factors, resulted in a decrease in the funded ratio and an increase in the amortization period from 35 years in 2017 to infinite in 2018. Additionally, the use of a lower, blended discount rate – as required by GASB guidelines – contributed to the increase in the net pension liability. A full description of the assumptions for the Police Retirement System is available in the actuarial reports available on its website.

The actuarial accrued liability for the Police Retirement System as of December 31, 2020 was \$1.54 billion and the funded ratio was 58.6%. The actuarial accrued liability for the Police Retirement System as of December 31, 2019 was \$1.46 billion and the funded ratio was 58.4%.

*Fire Fighters Retirement Fund...*The members of the Fire Fighters Retirement Fund include commissioned firefighters and Texas state-certified employees of the Fire Department. Members are eligible to retire at 50 years of age with at least 10 years of service credit or with at least 25 years of service credit at any age. Retirement benefits are paid in the form of a monthly life annuity based on years of service times the highest 36 months of salary during the member's contributing years of service. The multiplier for the Fire system is 3.3%. The Fire Fighters Retirement Fund also provides early retirement options.

The Fire Fighters Retirement Fund, as of December 31, 2020, reported a net pension liability of \$70.4 million, with a plan fiduciary net position as a percentage of the total pension liability of 94.3%. The actuarial accrued liability for the Fire Fighters Retirement Fund was \$1.23 billion and the funded ratio was 87.5%. As of December 31, 2019, the Fire Fighters Retirement Fund reported a net pension liability of \$126.1 million and plan fiduciary net position as a percentage of the total pension liability of 89.1%. The actuarial accrued liability for the Fire Fighters Retirement Fund as of December 31, 2019 was \$1.15 billion and the funded ratio was 86.8%.

The Fire Fighters Retirement Fund adopted changes to certain actuarial assumptions used in the 2020 actuarial valuation. The assumption changes adopted had minimal impact on the amortization period and funded ratio. Actuarial assumption

changes included a decreased investment return assumption (from 7.5% to 7.3%) and increased payroll growth (from 2.0% to 2.5%). In addition, effective January 1, 2021, a cost-of-living adjustment increase of 1.4% went into effect.

The financial statements for each plan are accessible on their respective websites. See “APPENDIX B – AUDITED FINANCIAL STATEMENTS – Note 7” in this document for additional information on the City’s Pension Plans. Also, see Note 7 of the City’s Comprehensive Annual Financial Report for their web addresses.

Future City Pension System Reforms...In response to the reported actuarial funding data for COAERS, which indicates that the pension system is currently significantly underfunded, the City has begun working with COAERS to resolve the funding shortfalls. The City and COAERS remain in communication and are working collaboratively toward implementing changes during the 2023 legislative session. These changes may include a more adaptable, actuarially-determined funding model, phased increases to both City and employee contributions, and changes to the governance structure.

The City earmarked \$11.3 million of funds in the FY 2020-21 budget to provide an initial first phase of increased City contributions to its pension plans. As of January 1, 2021, the City’s contribution to COAERS increased by 1% to 19%.

### **Other Postemployment Benefits (“OPEB”)**

In addition to the contributions made to the three pension systems, the City provides certain other postemployment benefits (“OPEB”) to its retirees. The City’s OPEB plan is a defined-benefit single-employer plan. Allocation of City funds to pay OPEB other than pensions is determined on an annual basis by the City Council as part of the budget approval process on a pay-as-you-go basis. The City is under no obligation to pay any portion of the cost of OPEB for retirees or their dependents.

OPEB include access to medical, dental, and vision insurance for the retiree and the retiree’s family and \$1,000 of life insurance on the retiree only. All retirees who are eligible to receive pension benefits under any of the City’s three pension systems are eligible for OPEB. Retirees may also enroll eligible dependents under the medical, dental, and vision plan(s) in which they participate.

Day-to-day accounting and administration of OPEB activities are provided by the City and recorded in the Employee Benefits Fund. However, at year end an adjustment is made to recognize OPEB expenses in the operating funds that provide funding to the Employee Benefits Fund to pay for the City’s portion of these benefits. No separate plan report is available.

The City subsidizes between 16% and 80% of the projected medical premium for retirees and a lesser portion for dependents and surviving spouses depending on years of service at retirement. The retiree must pay the unsubsidized portion of the premium. Both the City and retirees’ estimated premiums are deposited in the Employee Benefits Fund, which pays actual claims for medical and prescription drugs and 100% of the retiree’s basic life insurance premium. The cost of coverage above the \$1,000 level for life insurance premium is paid by the retiree. Group dental and vision coverage is available to retirees and their eligible dependents. The retiree pays the full cost of the dental and vision premium.

The City does not accumulate assets in a trust that meets the criteria in paragraph 4 of GASB Statement 75. The City funds its OPEB liabilities on a pay-as-you-go basis. The pay-as-you-go cost of providing medical and life benefits was \$47.8 million in fiscal year 2020 and \$44.1 million in fiscal year 2019.

The City commissions a biennial actuarial valuation of its OPEB liability with a roll-forward prepared in the year in which there is no formal valuation. As of the most recent December 31, 2020 actuarial valuation date (roll-forward), the City’s total OPEB liability increased to \$4.3 billion from \$3.5 billion as of the actuarial valuation measured as of December 31, 2019. The increase in the total OPEB liability was attributable to several assumption changes. The primary factor was a reduction in the assumed discount rate (to 2.12% from 2.74%, based on the Bond Buyer US Weekly Yields 20 General Obligation Bond Index as of the measurement date) as required by GASB guidance. In addition, changes to COAERS and the Fire Fighters’ Retirement Fund assumptions such as new mortality tables and changes to certain demographics assumptions (trend rates, retirement rates, enrollment for retirees and spouses, etc.) contributed to the increase.

See “APPENDIX B – AUDITED FINANCIAL STATEMENTS – Note 8 and Note 18” in this document for additional information on the City’s OPEB.

## Insurance

The Liability Reserve Fund is the insurance fund of the City for settled claims, expenses, and reserves relating to third party liability claims for injury and property damage, including professional liability. The Liability Reserve Fund is used to pay for actual claims incurred and related expenses for settling these claims, for budgeted administrative costs for the fund's operations, and to estimate incurred, but not reported claims. The Liability Reserve Fund had accrued liabilities of approximately \$2.16 million for claims and damages at the end of fiscal year 2020. Employee injuries are covered by the City's Workers' Compensation Fund and health claims are covered by the City's Employee Benefits Fund. The accrued liabilities for certain claims and expenses for enterprise funds of the City are funded separately, from funds of the respective enterprise systems.

## INVESTMENTS

The City invests its available funds in investments authorized by State law, particularly the Texas Public Funds Investment Act, Chapter 2256, Texas Government Code (the "PFIA"), in accordance with investment policies approved by the City Council. Both State law and the City's investment policies are subject to change.

### Legal Investments

Under State law, the City is authorized to invest in:

- (1) obligations of the United States or its agencies and instrumentalities, including letters of credit;
- (2) direct obligations of the State of Texas or its agencies and instrumentalities;
- (3) collateralized mortgage obligations directly issued by a federal agency or instrumentality of the United States, the underlying security for which is guaranteed by an agency or instrumentality of the United States;
- (4) other obligations, the principal and interest of which are guaranteed or insured by or backed by the full faith and credit of, the State of Texas or the United States or their respective agencies and instrumentalities, including obligations that are fully guaranteed or insured by the Federal Deposit Insurance Corporation ("FDIC") or by explicit full faith and credit of the United States;
- (5) obligations of states, agencies, counties, cities, and other political subdivisions of any state rated as to investment quality by a nationally recognized investment rating firm not less than "A" or its equivalent;
- (6) bonds issued, assumed or guaranteed by the State of Israel;
- (7) interest-bearing banking deposits that are guaranteed insured by the FDIC or the National Credit Union Share Insurance Fund ("NCUSIF") or their respective successors;
- (8) interest-bearing banking deposits other than those described by subdivision (7) if the funds invested in the banking deposits are invested through (a) a broker with a main office or branch office in this state that the investing entity selects from a list the governing body or designated investment committee of the entity adopts as required by Section 2256.025; or (b) a depository institution with a main office or branch office in this state that the investing entity selects; (ii) the broker or depository institution selected as described above arranges for the deposit of the funds in the banking deposits in one or more federally insured depository institutions, regardless of where located, for the investing entity's account; (iii) the full amount of the principal and accrued interest of the banking deposits is insured by the United States or an instrumentality of the United States; and (iv) the investing entity appoints as the entity's custodian of the banking deposits issued for the entity's account (a) the depository institution selected as described above; (b) an entity described by Section 2257.041(d); or (c) a clearing broker dealer registered with the Securities and Exchange Commission and operating under Securities and Exchange Commission Rule 15c3-3 (17 C.F.R. Section 240.15c3-3);
- (9) certificates of deposit meeting the requirements of the PFIA that are issued by an institution that has its main office or a branch office in the State of Texas and are guaranteed or insured by a combination of cash and the FDIC or the NCUSIF, or are secured as to principal by obligations described in clauses (1) through (8) or in any other manner and amount provided by law for City deposits;
- (10) fully collateralized repurchase agreements that have a defined termination date, are fully secured by a combination of cash and obligations described in clauses (1) and (12) which are pledged to the City, held in the City's name, and deposited at the time the investment is made with the City or with a third party selected and approved by the City and are placed through a primary government securities dealer, as defined by the Federal Reserve, or a financial institution doing business in the State of Texas;
- (11) certain bankers' acceptances with the remaining term of 270 days or less, if the short-term obligations of the accepting bank or its parent are rated not less than "A-1" or "P-1" or the equivalent by at least one nationally recognized credit rating agency;



- (12) commercial paper with a stated maturity of 365 days or less that is rated not less than “A-1” or “P-1” or the equivalent by either (a) two nationally recognized credit rating agencies or (b) one nationally recognized credit rating agency if the commercial paper is fully secured by an irrevocable letter of credit issued by a U.S. or state bank;
- (13) no-load money market mutual funds registered with and regulated by the United States Securities and Exchange Commission that comply with the United States Securities and Exchange Commission Rule 2a-7;
- (14) no-load mutual funds registered with the United States Securities and Exchange Commission that have an average weighted maturity of less than two years, and either has a duration of one year or more and is invested exclusively in obligations described in this paragraph, or has a duration of less than one year and the investment portfolio is limited to investment grade securities, excluding asset-backed securities; and,
- (15) local government investment pools organized in accordance with the Interlocal Cooperation Act (Chapter 791, Texas Government Code) as amended, whose assets consist exclusively of the obligations that are described above. A public funds investment pool must be continuously ranked no lower than “AAA”, “AAA-m” or at an equivalent rating by at least one nationally recognized rating service.

The City may also invest bond proceeds in guaranteed investment contracts that have a defined termination date and are secured by obligations of the United States or its agencies and instrumentalities in an amount at least equal to the amount of bond proceeds invested under such contract, other than the prohibited obligations described below.

A political subdivision such as the City may enter into securities lending programs if:

- (i) the value of securities loaned under the program are not collateralized at less than 100%, including accrued income, a loan made under the program allows for termination at any time and a loan made under the program is either secured by (a) obligations that are described in clauses (1) through (6) above, (b) irrevocable letters of credit issued by a state or national bank that is continuously rated by a nationally recognized investment rating firm at not less than A or its equivalent or (c) cash invested in obligations described in clauses (1) through (6) above, clauses (11) through (13) above, or an authorized investment pool;
- (ii) securities held as collateral under a loan are pledged to the City, held in the City’s name and deposited at the time the investment is made with the City or a third party designated by the City;
- (iii) a loan made under the program is placed through either a primary government securities dealer or a financial institution doing business in the State of Texas; and
- (iv) the agreement to lend securities has a term of one year or less.

The City may also contract with an investment management firm registered under the Investment Advisor Act of 1940 (15 U.S.C. Section 80b.1 et seq.) or with the State Securities Board to provide for the investment and management of its public funds or other funds under its control for a term of up to two years, but the City retains ultimate responsibility as fiduciary of its assets.

The City, as the owner of a municipal electric utility that is engaged in the sale of electric energy to the public, may invest funds held in a “decommissioning trust” (a trust created to provide the Nuclear Regulatory Commission assurance that funds will be available for decommissioning purposes as required under 10 C.F.R. Part 50 or other similar regulation) in any investment authorized by Subtitle B, Title 9, Texas Property Code (“Texas Trust Code”). The Texas Trust Code provides that a trustee shall invest and manage trust assets as a prudent investor would, by considering the purposes, terms, distribution requirements, and other circumstances of the trust. In satisfying this standard, the trustee shall exercise reasonable care, skill, and caution. The City established an external irrevocable trust for decommissioning with JPMorgan Chase Bank, N.A., and, as of October 2016, transferred the trust to Wilmington Trust, National Association. The decommissioning trust market value, as of June 30, 2020, was \$234,605,334.

The City is specifically prohibited from investing in:

- (1) obligations whose payment represents the coupon payments on the outstanding principal balance of the underlying mortgage-backed security collateral and pays no principal;
- (2) obligations whose payment represents the principal stream of cash flow from the underlying mortgage-backed security and bears no interest;
- (3) collateralized mortgage obligations that have a stated final maturity of greater than 10 years; and
- (4) collateralized mortgage obligations the interest rate of which is determined by an index that adjusts opposite to the changes in a market index.

## Investment Policies

Under State law, the City is required to invest its funds under written investment policies that primarily emphasize safety of principal and liquidity; that address investment diversification, yield and maturity; and also that address the quality and capability of investment personnel. The policy includes a list of the type of authorized investments for City funds, the maximum allowable stated maturity of any individual investment owned by the City, the maximum average dollar-weighted maturity allowed for pooled fund groups, methods to monitor the market price of investments acquired with public funds, a requirement for settlement of all transactions, except investment pool funds and mutual funds, on a delivery versus payment basis, and procedures to monitor rating changes in investments acquired with public funds and the liquidation of such investments consistent with the PFIA. All City funds must be invested consistent with a formally adopted "Investment Strategy Statement" that specifically addresses each funds' investment. Each Investment Strategy Statement must describe the investment objectives for the particular fund using the following priorities:

- (1) understanding of the suitability of the investment to the financial requirements of the City;
- (2) preservation and safety of principal;
- (3) liquidity;
- (4) marketability of each investment;
- (5) diversification of the portfolio; and
- (6) yield.

The City's investment policy authorizes the City to invest its funds and funds under its control in all of the eligible investments described above under "Legal Investments", except those investments described in clauses (3) and (6). The City's investment policy currently limits the commercial paper that may be purchased to a term of 270 days or less.

Under State law, City investments must be made "with judgment and care, under prevailing circumstances, that a person of prudence, discretion and intelligence would exercise in the management of the person's own affairs, not for speculation, but for investment, considering the probable safety of capital and the probable income to be derived." At least quarterly, the investment officers of the City shall submit an investment report detailing:

- (1) the investment position of the City;
- (2) that all investment officers jointly prepared and signed the report;
- (3) the beginning market value and the ending value of each pooled fund group;
- (4) the book value and market value of each separately listed asset at the end of the reporting period;
- (5) the maturity date of each separately invested asset;
- (6) the account or fund or pooled fund group for which each individual investment was acquired; and
- (7) the compliance of the investment portfolio as it relates to (a) adopted investment strategy statements and (b) State law.

No person may invest City funds without express written authority of the City Council or the Chief Financial Officer of the City.

## Additional Provisions

Under Texas law, the City is additionally required to:

- (1) annually review its adopted policies and strategies,
- (2) require any investment officers with personal business relationships or relatives with firms seeking to sell securities to the City to disclose the relationship and file a statement with the Texas Ethics Commission and the City Council,
- (3) require a registered representative of business organizations offering to engage in an investment transaction with the City to (a) receive and review the City's investment policy, (b) acknowledge that reasonable controls and procedures have been implemented to preclude imprudent investment activities, and (c) deliver a written statement attesting to these requirements;
- (4) perform an annual audit of the management controls on investments and adherence to the City's investment

- policy; and
- (5) provide specific investment training for the Chief Financial Officer of the City, Treasurer and Investment Officers.

An investment officer of a local government is required to invest bond proceeds or pledged revenue only to the extent permitted by the PFIA and in accordance with (i) statutory provisions governing the debt issuance (or lease, installment sale, or other agreement) and (ii) the local government's investment policy regarding the debt issuance or the agreement.

### **Current Investments**

As of June 30, 2021, the City's investable funds were invested in the following categories.

<u>Type of Investment</u>	<u>Percentage</u>
U. S. Treasuries	43%
U. S. Agencies	24%
Local Government Investment Pools	33%

The dollar weighted average maturity for the combined City investment portfolios is 140 days. The City prices the portfolios weekly utilizing a market pricing service.

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## **TAX MATTERS**

### **Certain Federal Income Tax Considerations**

The following discussion is a summary of certain expected material federal income tax consequences of the purchase, ownership and disposition of the Bonds and is based on the Internal Revenue Code of 1986 (the “Code”), the regulations promulgated thereunder, published rulings and pronouncements of the Internal Revenue Service (“IRS”) and court decisions currently in effect. There can be no assurance that the IRS will not take a contrary view, and no ruling from the IRS, has been, or is expected to be, sought on the issues discussed in this document. Any subsequent changes or interpretations may apply retroactively and could affect the opinion and summary of federal income tax consequences discussed in this document.

The following discussion is not a complete analysis or description of all potential U.S. federal tax considerations that may be relevant to, or of the actual tax effect that any of the matters described in this document will have on, particular holders of the Bonds and does not address U.S. federal gift or estate tax or (as otherwise stated in this document) the alternative minimum tax, state, local or other tax consequences. This summary does not address special classes of taxpayers (such as partnerships, or other pass-thru entities treated as a partnerships for U.S. federal income tax purposes, S corporations, mutual funds, insurance companies, financial institutions, small business investment companies, regulated investment companies, real estate investment trusts, grantor trusts, former citizens of the U.S., broker-dealers, traders in securities and tax-exempt organizations, individual recipients of Social Security or Railroad Retirement benefits, taxpayers who may be subject to branch profits tax or personal holding company provisions of the Code or taxpayers qualifying for the health insurance premium assistance credit) that are subject to special treatment under U.S. federal income tax laws, or persons that hold Bonds as a hedge against, or that are hedged against, currency risk or that are part of hedge, straddle, conversion or other integrated transaction, or persons whose functional currency is not the “U.S. dollar”. This summary is further limited to investors who will hold the Bonds as “capital assets” (generally, property held for investment) within the meaning of section 1221 of the Code. This discussion is based on existing statutes, regulations, published rulings and court decisions, all of which are subject to change or modification, retroactively.

As used in this document, the term “U.S. Holder” means a beneficial owner of a Bond who or which is: (i) an individual citizen or resident of the United States, (ii) a corporation or partnership created or organized under the laws of the United States or any political subdivision thereof or in this document, (iii) an estate, the income of which is subject to U.S. federal income tax regardless of the source; or (iv) a trust, if (a) a court within the U.S. is able to exercise primary supervision over the administration of the trust and one or more U.S. persons have the authority to control all substantial decisions of the trust, or (b) the trust validly elects to be treated as a U.S. person for U.S. federal income tax purposes. As used in this document, the term “Non-U.S. Holder” means a beneficial owner of a Bond that is not a U.S. Holder.

THIS SUMMARY IS INCLUDED IN THIS DOCUMENT FOR GENERAL INFORMATION ONLY AND DOES NOT DISCUSS ALL ASPECTS OF THE U.S. FEDERAL INCOME TAXATION THAT MAY BE RELEVANT TO A PARTICULAR HOLDER OF BONDS IN LIGHT OF THE HOLDER’S PARTICULAR CIRCUMSTANCES AND INCOME TAX SITUATION. PROSPECTIVE HOLDERS OF THE BONDS SHOULD CONSULT THEIR OWN TAX ADVISORS AS TO THE TAX TREATMENT WHICH MAY BE ANTICIPATED TO RESULT FROM THE PURCHASE, OWNERSHIP AND DISPOSITION OF THE BONDS BEFORE DETERMINING WHETHER TO PURCHASE BONDS. THE FOLLOWING DISCUSSION IS NOT INTENDED OR WRITTEN TO BE USED TO AVOID PENALTIES THAT MIGHT BE IMPOSED ON THE TAXPAYER IN CONNECTION WITH THE MATTERS DISCUSSED IN THIS DOCUMENT. INVESTORS SHOULD CONSULT THEIR OWN TAX ADVISORS CONCERNING THE TAX IMPLICATIONS OF RECENTLY ENACTED LEGISLATION OR THE PURCHASE, OWNERSHIP OR DISPOSITION OF THE BONDS UNDER APPLICABLE STATE OR LOCAL LAWS, OR ANY OTHER TAX CONSEQUENCE.

FOREIGN INVESTORS SHOULD ALSO CONSULT THEIR OWN TAX ADVISORS REGARDING THE TAX CONSEQUENCES UNIQUE TO NON-U.S. HOLDERS.

### **Information Reporting and Backup Withholding**

Subject to certain exceptions, information reports describing interest income, including original issue discount, with respect

to the Bonds will be sent to each registered holder and to the IRS. Payments of interest and principal may be subject to withholding under sections 1471 through 1474 or backup withholding under section 3406 of the Code if a recipient of the payments fails to furnish to the payor such owner's social security number or other taxpayer identification number ("TIN"), furnishes an incorrect TIN, or otherwise fails to establish an exemption from the withholding or backup withholding tax. Any amounts so withheld would be allowed as a credit against the recipient's federal income tax. Special rules apply to partnerships, estates and trusts, and in certain circumstances, and in respect of Non-U.S. Holders, certifications as to foreign status and other matters may be required to be provided by partners and beneficiaries thereof.

## **Opinion**

On the date of initial delivery of the Bonds, McCall, Parkhurst & Horton L.L.P., Bond Counsel to the City, will render its opinion that, in accordance with statutes, regulations, published rulings and court decisions existing on the date thereof ("Existing Law"), (1) for federal income tax purposes, interest on the Bonds will be excludable from the "gross income" of the holders thereof and (2) the Bonds of each series will not be treated as "specified private activity bonds" the interest on which would be included as an alternative minimum tax preference item under section 57(a)(5) of the Code. Except as stated above, Bond Counsel to the City will express no opinion as to any other federal, state or local tax consequences of the purchase, ownership or disposition of the Bonds. See "APPENDIX C - FORM OF BOND COUNSEL'S OPINION" in this document

In rendering its opinion, Bond Counsel to the City will rely upon (a) certain information and representations of the City, including information and representations contained in the City's federal tax certificate related to the Bonds, and (b) covenants of the City contained in the Thirty-Eighth Supplement relating to certain matters, including arbitrage and the use of the proceeds of the Bonds and the property financed or refinanced therewith. Failure by the City to observe the aforementioned representations or covenants could cause the interest on the Bonds to become taxable retroactively to the date of issuance. In addition, with respect to the Bonds, Bond Counsel to the City will rely upon the report of the Verification Agent reporting calculation of yield on the Bonds and the Refunded Bonds; see "VERIFICATION OF MATHEMATICAL CALCULATIONS" in this document.

The Code and the regulations promulgated thereunder contain a number of requirements that must be satisfied subsequent to the issuance of the Bonds in order for interest on the Bonds to be, and to remain, excludable from gross income for federal income tax purposes. Failure to comply with such requirements may cause interest on the Bonds to be included in gross income retroactively to the date of issuance of the Bonds. The opinion of Bond Counsel to the City is conditioned on compliance by the City with such requirements, and Bond Counsel to the Issuer has not been retained to monitor compliance with these requirements subsequent to the issuance of the Bonds.

Bond Counsel's opinion regarding the Bonds represents its legal judgment based upon its review of Existing Law and the reliance on the aforementioned information, representations and covenants. Bond Counsel's opinion related to the Bonds is not a guarantee of a result. Existing Law is subject to change by the Congress and to subsequent judicial and administrative interpretation by the courts and the Department of the Treasury. There can be no assurance that Existing Law or the interpretation thereof will not be changed in a manner which would adversely affect the tax treatment of the purchase, ownership or disposition of the Bonds.

A ruling was not sought from the IRS by the Issuer with respect to the Bonds or property financed or refinanced with the proceeds of any series of the Bonds. No assurances can be given as to whether the IRS will commence an audit of the Bonds, or as to whether the IRS would agree with the opinion of Bond Counsel. If an audit is commenced, under current procedures the IRS is likely to treat the City as the taxpayer and the holders may have no right to participate in such procedure. No additional interest will be paid upon any determination of taxability.

## **Federal Income Tax Accounting Treatment of Original Issue Discount**

The initial public offering price to be paid for one or more maturities of the Bonds may be less than the principal amount thereof or one or more periods for the payment of interest on the Bonds may not be equal to the accrual period or be in excess of one year (the "Original Issue Discount Bonds"). In such event, the difference between (i) the "stated redemption price at maturity" of each Original Issue Discount Bond, and (ii) the initial offering price to the public of such Original Issue Discount Bond would constitute original issue discount. The "stated redemption price at maturity" means the sum of all payments to be made on the bonds less the amount of all periodic interest payments. Periodic interest payments are payments which are made during equal accrual periods (or during any unequal period if it is the initial or final period) and

which are made during accrual periods which do not exceed one year.

Under Existing Law, any U.S. Holder who has purchased a Tax-Exempt Bond as an Original Issue Discount Bond in the initial public offering is entitled to exclude from gross income (as defined in section 61 of the Code) an amount of income with respect to such Original Issue Discount Bond equal to that portion of the amount of such original issue discount allocable to the accrual period. For a discussion of certain collateral federal tax consequences, see discussion set forth below. In the event of the redemption, sale or other taxable disposition of such Original Issue Discount Bond prior to stated maturity, however, the amount realized by such U.S. Holder in excess of the basis of such Original Issue Discount Bond in the hands of such U.S. Holder (adjusted upward by the portion of the original issue discount allocable to the period for which such Original Issue Discount Bond was held by such initial owner) is includable in gross income.

Under Existing Law, the original issue discount on each Original Issue Discount Bond is accrued daily to the stated maturity thereof (in amounts calculated as described below for each accrual period and ratably within each such accrual period) and the accrued amount is added to an initial owner's basis for such Original Issue Discount Bond for purposes of determining the amount of gain or loss recognized by such owner upon the redemption, sale or other disposition thereof. The amount to be added to basis for each accrual period is equal to (a) the sum of the issue price and the amount of original issue discount accrued in prior periods multiplied by the yield to stated maturity (determined on the basis of compounding at the close of each accrual period and properly adjusted for the length of the accrual period) less (b) the amounts payable as current interest during such accrual period on such Original Issue Discount Bond.

All U.S. Holders of Original Issue Discount Bonds should consult their own tax advisors with respect to the determination for federal, state and local income tax purposes of the treatment of interest accrued upon redemption, sale or other disposition of such Original Issue Discount Bonds and with respect to the federal, state, local and foreign tax consequences of the purchase, ownership, redemption, sale or other disposition of such Original Issue Discount Bonds.

### **Collateral Federal Income Tax Consequences**

Under section 6012 of the Code, U.S. Holders of tax-exempt obligations, such as the Bonds, may be required to disclose interest received or accrued during each taxable year on their returns of federal income taxation.

Section 1276 of the Code provides for ordinary income tax treatment of gain recognized upon the disposition of a tax-exempt obligation, such as the Bonds, if such obligation was acquired at a "market discount" and if the fixed maturity of such obligation is equal to, or exceeds, one year from the date of issue. Such treatment applies to "market discount bonds" to the extent such gain does not exceed the accrued market discount of such bonds; although for this purpose, a de minimis amount of market discount is ignored. A "market discount bond" is one which is acquired by the holder at a purchase price which is less than the stated redemption price at maturity or, in the case of a bond issued at an original issue discount, the "revised issue price" (i.e., the issue price plus accrued original issue discount). The "accrued market discount" is the amount which bears the same ratio to the market discount as the number of days during which the holder holds the obligation bears to the number of days between the acquisition date and the final maturity date.

### **Future and Proposed Legislation**

Tax legislation, administrative actions taken by tax authorities, or court decisions, whether at the Federal or state level, may adversely affect the tax-exempt status of interest on the Bonds under Federal or state law and could affect the market price or marketability of the Bonds. Any such proposal could limit the value of certain deductions and exclusions, including the exclusion for tax-exempt interest. The likelihood of any such proposal being enacted cannot be predicted. Prospective purchasers of the Bonds should consult their own tax advisors regarding the foregoing matters.

## **CONTINUING DISCLOSURE OF INFORMATION**

In the Thirty-Eighth Supplement, the City has made the following agreement for the benefit of the Holders and beneficial owners of the Bonds. The City is required to observe the agreement for so long as it remains obligated to advance funds to pay the Bonds. Under the agreement, the City will be obligated to provide certain updated financial information and operating data annually, and timely notice of specified events, to the Municipal Securities Rulemaking Board (the "MSRB").

### **Annual Reports**

The City will provide certain updated financial information and operating data to the MSRB annually. The information

to be updated includes all quantitative financial information and operating data with respect to the City of the general type included in the main text of this document within the following tables:

- 1) "WATER SYSTEM – Historical Water Pumpage,"
- 2) "WATER SYSTEM – Projected Water Pumpage,"
- 3) "WATER SYSTEM – Information Concerning Water Sales,"
- 4) "WATER SYSTEM – Large Water Customers,"
- 5) "WASTEWATER SYSTEM – Historical Wastewater Flows,"
- 6) "WASTEWATER SYSTEM – Projected Wastewater Flows,"
- 7) "COMBINED WATER AND WASTEWATER SYSTEM INFORMATION– Water Service Rates,"
- 8) "COMBINED WATER AND WASTEWATER SYSTEM INFORMATION – Wastewater Service Rates,"
- 9) "COMBINED WATER AND WASTEWATER SYSTEM INFORMATION – Analysis of Water Bills,"
- 10) "COMBINED WATER AND WASTEWATER SYSTEM INFORMATION – Analysis of Wastewater Bills,"
- 11) "ELECTRIC UTILITY SYSTEM – Generation Facilities,"
- 12) "AUSTIN ENERGY'S CUSTOMER STATISTICS – Five Year Electric Customer Statistics,"
- 13) "AUSTIN ENERGY'S CUSTOMER STATISTICS – Generation and Use Data,"
- 14) "DISCUSSION OF OPERATING STATEMENT – The Electric Utility System and Water and Wastewater System,"
- 15) "ELECTRIC UTILITY SYSTEM – Customer Base–Average Monthly Number of Customers,"
- 16) "ELECTRIC UTILITY SYSTEM – Fuel Supply,"
- 17) "AUSTIN ENERGY'S CUSTOMER RATES – Typical Monthly Residential Electric Bills of Large Texas Cities,"
- 18) Austin Energy's approved rate schedules incorporated into this document by reference as described in the applicable Pricing Certificate and "AUSTIN ENERGY'S CUSTOMER STATISTICS – Electric Rates,"
- 19) "AUSTIN ENERGY'S CUSTOMER STATISTICS – GreenChoice® Energy Rider,"
- 20) "COMPARATIVE ANALYSIS OF ELECTRIC UTILITY SYSTEM AND WATER AND WASTEWATER SYSTEM OPERATIONS,"
- 21) "OPERATING STATEMENT ELECTRIC UTILITY SYSTEM AND WATER AND WASTEWATER SYSTEM,"
- 22) The table of annual results of the City's annexations in "THE CITY – Annexation Program,"
- 23) "INVESTMENTS – Current Investments," and
- 24) Audited financial statements of the City, if not provided as part of such financial information and operating data, when and if available.

The City will (1) update and provide this financial information and operating data within six months after the end of each fiscal year, beginning with the fiscal year ending in 2021 and (2) if not provided as part of the financial information and operating data, audited financial statements, when and if available. If audited financial statements are not available within 12 months after any such fiscal year end, the City will provide notice that the audited financial statements are not available and will file unaudited financial statements within such 12-month period and audited financial statements for such fiscal year when and if the audit report on such statements becomes available. The City will provide the updated information to the MSRB through EMMA. Any such financial statements will be prepared in accordance with the accounting principles described in APPENDIX B or such other accounting principles as the City may be required to employ from time to time pursuant to State law or regulation.

The financial information and operating data to be provided may be set forth in full in one or more documents or may be included by specific reference to any document available to the public on the MSRB's Internet Web site or filed with the United States Securities and Exchange Commission (the "SEC"), as permitted by SEC Rule 15c2-12 (the "Rule").

The City's current fiscal year is October 1 to September 30. Accordingly, it must provide updated financial information and operating data by March 31 of each year and audited financial statements for the preceding fiscal year (or unaudited financial statements if the audited financial statements are not yet available as described above) by September 30 of each year, unless the City changes its fiscal year. If the City changes its fiscal year, it will notify the MSRB of the change.

#### **Disclosure Event Notices**

The City shall notify the MSRB, in a timely manner not in excess of 10 Business Days after the occurrence of the event, of any of the following events with respect to the Bonds: (1) principal and interest payment delinquencies; (2) non-payment related defaults, if material; (3) unscheduled draws on debt service reserves reflecting financial difficulties; (4) unscheduled draws on credit enhancements reflecting financial difficulties; (5) substitution of credit or liquidity providers, or their failure

to perform; (6) adverse tax opinions, the issuance by the Internal Revenue Service of proposed or final determinations of taxability, Notices of Proposed Issue (IRS Form 5701-TEB) or other material notices or determinations with respect to the tax status of the Bonds, or other material events affecting the tax status of the Bonds; (7) modifications to rights of holders of the Bonds, if material; (8) Bond calls, if material, and tender offers; (9) defeasances; (10) release, substitution, or sale of property securing repayment of the Bonds, if material; (11) rating changes; (12) bankruptcy, insolvency, receivership or similar event of the City or obligated person; (13) the consummation of a merger, consolidation, or acquisition involving the City or the sale of all or substantially all of the assets of the City, other than in the ordinary course of business, the entry into a definitive agreement to undertake such an action or the termination of a definitive agreement relating to any such actions, other than pursuant to its terms, if material; (14) appointment of a successor Paying Agent/Registrar or change in the name of the Paying Agent/Registrar, if material; (15) incurrence of a Financial Obligation of the City, if material, or agreement to covenants, events of default, remedies, priority rights, or other similar terms of a Financial Obligation of the City, any of which affect Bond holders, if material; and (16) default, event of acceleration, termination event, modification of terms, or other similar events under the terms of a Financial Obligation of the City, any of which reflect financial difficulties. The City shall notify the MSRB, in a timely manner, of any failure by the City to provide financial information or operating data by the time required by the Thirty-Eighth Supplement. Neither the Bonds nor the Thirty-Eighth Supplement make any provision for debt service reserves or liquidity enhancement. See “SECURITY FOR THE BONDS - Bonds Not Secured by any Debt Service Reserve Fund” in this document. The City shall notify the MSRB, in a timely manner, of any failure by the City to provide financial information or operating data by the time required by the Thirty-Eighth Supplement.

As used in clause (12) above, the phrase “bankruptcy, insolvency, receivership or similar event” means the appointment of a receiver, fiscal agent or similar officer for the City in a proceeding under the U.S. Bankruptcy Code or in any other proceeding under state or federal law in which a court or governmental authority has assumed jurisdiction over substantially all of the assets or business of the City, or if jurisdiction has been assumed by leaving the City Council and officials or officers of the City in possession but subject to the supervision and orders of a court or governmental authority, or the entry of an order confirming a plan of reorganization, arrangement or liquidation by a court or governmental authority having supervision or jurisdiction over substantially all of the assets or business of the City. As used in clause (15) and clause (16) above, the term “Financial Obligation” means a: (i) debt obligation, (ii) derivative instrument entered into in connection with, or pledged as security or a source of payment for, an existing or planned debt obligation; or (iii) guarantee of (i) or (ii); provided that “Financial Obligation” shall not include municipal securities as to which a final official statement (as defined in the Rule) has been provided to the MSRB consistent with the Rule. The term “Business Day” means a day other than a Saturday, Sunday, a legal holiday, or a day on which banking institutions are authorized by law or executive order to close in the City or the city where the Designated Payment/Transfer Office of the Paying Agent/Registrar is located.

### **Availability of Information**

In connection with its continuing disclosure agreement entered into with respect to the Bonds, the City will file all required information and documentation with the MSRB in electronic format and accompanied by such identifying information as prescribed by and in accordance with MSRB guidelines. Access to such filings will be provided, without charge to the general public, by the MSRB at [www.emma.msrb.org](http://www.emma.msrb.org).

### **Limitations and Amendments**

The City has agreed to update information and to provide notices of certain events only as described above. The City has not agreed to provide other information that may be relevant or material to a complete presentation of its financial results of operations, condition, or prospects or agreed to update any information that is provided, except as described above. The City makes no representation or warranty concerning such information or concerning its usefulness to a decision to invest in or sell Bonds at any future date. The City disclaims any contractual or tort liability for damages resulting in whole or in part from any breach of its continuing disclosure agreement or from any statement made pursuant to its agreement, although holders of Bonds may seek a writ of mandamus to compel the City to comply with its agreement. No default by the City in observing or performing its obligations under its continuing disclosure undertaking for the Bonds shall constitute a breach of or default under the Thirty-Eighth Supplement for purposes of any other provision of the Thirty-Eighth Supplement.

The City may amend its continuing disclosure agreement for the Bonds from time to time to adapt to changed circumstances that arise from a change in legal requirements, a change in law, or a change in the identity, nature, status, or



type of operations of the City, if (i) the agreement, as amended, would have permitted an underwriter to purchase or sell such Bonds in the offering described in this document in compliance with the Rule, taking into account any amendments or interpretations of the Rule to the date of such amendment, as well as such changed circumstances, and (ii) either (a) the holders of a majority in aggregate principal amount of the outstanding Bonds consent to the amendment or (b) any person unaffiliated with the City (such as nationally recognized bond counsel) determines that the amendment will not materially impair the interests of the holders and beneficial owners of the Bonds. The City may also amend or repeal the provisions of its continuing disclosure agreement for any series of Bonds if the SEC amends or repeals the applicable provisions of the Rule or a court of final jurisdiction enters judgment that such provisions of the Rule are invalid, but only if and to the extent that the provisions of this sentence would not prevent an underwriter from lawfully purchasing or selling such Bonds in the primary offering of the Bonds. If the City so amends the agreement, it has agreed to include with the next financial information and operating data provided in accordance with its agreement described above under “CONTINUING DISCLOSURE OF INFORMATION - Annual Reports” an explanation, in narrative form, of the reasons for the amendment and of the impact of any change in the type of financial information and operating data so provided.

### **Compliance with Prior Undertakings**

With respect to the City’s continuing disclosure agreement regarding the Rental Car Special Facility Revenue Bonds, the City failed to file rating upgrades from Moody’s and Fitch within the ten business day window which started on July 10, 2015 and August 17, 2016, respectively. The City filed the event notices with respect to the ratings upgrade on December 14, 2016. Notice of the failure to file the ratings upgrade in a timely manner was also filed on the same date. With respect to the continuing disclosure agreement entered into by Austin-Bergstrom Landhost Enterprise (“ABLE”), with respect to its Series 1999A and 1999B Bonds, ABLE did not file its financial statements by the June 30 deadline for Fiscal Year December 31, 2015. The financial statements were filed on July 19, 2016 and the notice of the failure to file was filed on September 1, 2017. The referenced ABLE bonds are no longer outstanding. With respect to the City’s continuing disclosure agreements regarding its outstanding Combined Utility Revenue Bonds, Water and Wastewater System Revenue Bonds, and Electric Utility System Revenue Bonds, on February 3, 2017, the City filed a ratings upgrade notice for the Prior First-Lien Combined Electric, Water and Wastewater Revenue Bonds, which took place on July 1, 2015. The notice of failure to file the ratings upgrade in a timely manner was also filed on the same date. On June 30, 2017, the City filed updated financial information and operating data to reflect Fiscal Year 2016 information on the first page of the “Water Service Rates” table. The City has implemented procedures to ensure timely filing of all future financial information and event notices.

## **OTHER RELEVANT INFORMATION**

### **Ratings**

The Bonds have received ratings of “\_\_\_” (\_\_\_\_\_ outlook) from Moody’s Investors Service, Inc. (“Moody’s”), “\_\_\_” (\_\_\_\_\_ outlook) from S&P Global Ratings, a division of S&P Global Inc. (“S&P”), and “\_\_\_” (\_\_\_\_\_ outlook) from Fitch Ratings, Inc. (“Fitch”). An explanation of the significance of such ratings may be obtained from the company furnishing the rating. The ratings reflect only the respective views of such organizations and the City makes no representation as to the appropriateness of the ratings. There is no assurance that such ratings will continue for any given period of time or that they will not be revised downward or withdrawn entirely by such rating companies, if in the judgment of one or all such companies, circumstances so warrant. Any such downward revision or withdrawal of such ratings, or by any one of them, may have an adverse effect on the market price and marketability of the Bonds. Except as provided under “CONTINUING DISCLOSURE OF INFORMATION – Disclosure Event Notices” in this document, the City will undertake no responsibility to notify the owners of the Bonds of any such revisions or withdrawal of ratings.

### **Registration and Qualification of Bonds**

The sale of the Bonds has not been registered under the federal Securities Act of 1933, as amended, in reliance upon the exemption provided thereunder by Section 3(a)(2); and the Bonds have not been qualified under the Securities Act of Texas in reliance upon various exemptions contained in this document; nor have the Bonds been qualified under the securities acts of any jurisdiction. The City assumes no responsibility for qualification of the Bonds under the securities laws of any jurisdiction in which the Bonds may be sold, assigned, pledged, hypothecated or otherwise transferred. This disclaimer of responsibility for qualification for sale or other disposition of the Bonds shall not be construed as an interpretation of any kind with regard to the availability of any exemption from securities registration provisions.

## **Legal Investments and Eligibility to Secure Public Funds in Texas**

Section 1201.041 of the Public Security Procedures Act (Chapter 1201, Texas Government Code) provides that the Bonds are negotiable instruments governed by Chapter 8, Texas Business and Commerce Code, and are legal and authorized investments for insurance companies, fiduciaries, and trustees, and for the sinking funds of municipalities or other political subdivisions or public agencies of the State. With respect to investment in the Bonds by municipalities or other political subdivisions or public agencies of the State, the PFIA requires that the Bonds be assigned a rating of not less than “A” or its equivalent as to investment quality by a national rating agency. See “OTHER RELEVANT INFORMATION – Ratings” in this document. In addition, various provisions of the Texas Finance Code provide that, subject to a prudent investor standard, the Bonds are legal investments for state banks, savings banks, trust companies with capital of one million dollars or more, and savings and loan associations. The Bonds are eligible to secure deposits of any public funds of the State, its agencies, and its political subdivisions, and are legal security for those deposits to the extent of their market value. No review by the City has been made of the laws in other states to determine whether the Bonds are legal investments for various institutions in those states.

## **Legal Opinions**

The delivery of the Bonds is subject to the approval of the Attorney General of Texas to the effect that the Bonds are valid and legally binding special obligations of the City in accordance with their terms payable solely from and, together with the outstanding Parity Water/Wastewater Obligations and Prior Subordinate Lien Obligations, equally and ratably secured by a parity lien on and pledge of the Net Revenues of the Water and Wastewater System in the manner provided in the Thirty-Eighth Supplement and the approving legal opinion of Bond Counsel, to like effect and to the effect that the interest on the Bonds will be excludable from gross income for federal income tax purposes, subject to the matters described under “TAX MATTERS” in this document. The form of Bond Counsel’s opinion is attached to this document as “APPENDIX E”.

Bond Counsel was not requested to participate, and did not take part, in the preparation of the Official Statement, and such firm has not assumed any responsibility for this Official Statement or undertaken independently to verify any of the information contained in it, except that, in their capacity as Bond Counsel, such firm has reviewed the information in the Official Statement under the captions “PLAN OF FINANCING”, “SECURITY FOR THE BONDS,” “DESCRIPTION OF THE BONDS”, “TAX MATTERS”, “CONTINUING DISCLOSURE OF INFORMATION” (except for the information under the subheading “Compliance with Prior Undertakings”), “OTHER RELEVANT INFORMATION – Registration and Qualification of Bonds,” “OTHER RELEVANT INFORMATION – Legal Investments and Eligibility to Secure Public Funds in Texas” and “OTHER RELEVANT INFORMATION – Legal Opinions,” and in “APPENDIX C” and “APPENDIX D” to verify that the information relating to the Bonds, the Master Ordinance and the Thirty-Eighth Supplement contained under such captions and in APPENDICES C and D in all respects accurately and fairly reflects the provisions thereof and, insofar as such information relates to matters of law, is true and accurate. The opinion of Bond Counsel will accompany the global certificate deposited with DTC in connection with the use of the Book-Entry-Only System. In addition, certain legal matters will be passed upon (i) for the Underwriters by Haynes and Boone, LLP, Underwriters’ Counsel, and (ii) for the City by Bracewell LLP, Disclosure Counsel. The payment of legal fees to Bond Counsel, Underwriters’ Counsel, and Disclosure Counsel in connection with the issuance of the Bonds is contingent on the sale and delivery of the Bonds.

The legal opinions to be delivered concurrently with the delivery of the Bonds express the professional judgment of the attorneys rendering the opinions as to the legal issues expressly addressed in those opinions. In rendering a legal opinion, the attorney does not become an insurer or guarantor of the expression of professional judgment, of the transaction opined upon, or of the future performance of the parties to the transaction nor does the rendering of an opinion guarantee the outcome of any legal dispute that may arise from the transaction.

## **Financial Advisor**

PFM Financial Advisors LLC (“PFM”), Austin, Texas, is employed as Financial Advisor to the City in connection with the issuance of the Bonds. The Financial Advisor’s fee for services rendered with respect to the sale of the Bonds is contingent upon the issuance and delivery of the Bonds. PFM, in its capacity as Financial Advisor, has not verified and does not assume any responsibility for the information, covenants and representations contained in any of the bond documentation with respect to the federal income tax status of the Bonds.

## **Independent Auditors**

The financial data listed as fiscal year 2021 has been derived from the unaudited internal records of the City. The City's independent auditors have not reviewed, examined, or performed any procedures with respect to the unaudited financial information, nor the forward-looking financial information, nor have they expressed any opinion or any other form of assurance on such information, and assume no responsibility for, and disclaim any association with the unaudited financial information. The unaudited information is preliminary and is subject to change as a result of the audit and may differ from the audited financial statements when they are released.

The financial statements of the City as of September 30, 2020 and for the year then ended included in APPENDIX B to this Official Statement have been audited by Deloitte & Touche LLP, independent auditors, as stated in their report appearing in APPENDIX B.

## **Underwriting**

The Underwriters have agreed, subject to certain customary conditions to delivery, to purchase the Bonds from the City at a price equal to the initial offering prices shown on page ii of this Official Statement, less an underwriting discount of \$\_\_\_\_\_. The Underwriters will be obligated to purchase all of the Bonds if any Bonds are purchased. The Bonds may be offered and sold to certain dealers and others at prices lower than such public offering prices, and such public prices may be changed, from time to time, by the Underwriters.

The Underwriters and their respective affiliates are full service financial institutions engaged in various activities, which may include sales and trading, commercial and investment banking, advisory, investment management, investment research, principal investment, hedging, market making, brokerage and other financial and non-financial activities and services. Certain of the Underwriters and their respective affiliates have provided, and may in the future provide, a variety of these services to the City and to persons and entities with relationships with the City, for which they received or will receive customary fees and expenses.

In the ordinary course of their various business activities, the Underwriters and their respective affiliates, officers, directors and employees may purchase, sell or hold a broad array of investments and actively trade securities, derivatives, loans, commodities, currencies, credit default swaps and other financial instruments for their own account and for the accounts of their customers, and such investment and trading activities may involve or relate to assets, securities and/or instruments of the City (directly, as collateral securing other obligations or otherwise) and/or persons and entities with relationships with the City. The Underwriters and their respective affiliates may also communicate independent investment recommendations, market color or trading ideas and/or publish or express independent research views in respect of such assets, securities or instruments and may at any time hold, or recommend to clients that they should acquire, long and/or short positions in such assets, securities and instruments.

Morgan Stanley & Co. LLC, one of the Underwriters of the Bonds, has entered into a retail distribution arrangement with its affiliate, Morgan Stanley Smith Barney LLC. As part of the distribution arrangement, Morgan Stanley & Co. LLC may distribute securities to retail investors through the financial network of Morgan Stanley Smith Barney LLC. As part of this arrangement, Morgan Stanley & Co. LLC may compensate Morgan Stanley Smith Barney LLC for its underwriting efforts with respect to the Bonds.

Piper Sandler & Co., one of the underwriters of the Bonds, has entered into a distribution agreement ("Distribution Agreement") with Charles Schwab & Co., Inc. ("CS&Co") for the retail distribution of certain securities offerings including the Bonds, at the original issue prices. Pursuant to the Distribution Agreement, CS&Co. will purchase Bonds from Piper at the original issue price less a negotiated portion of the selling concession applicable to any Bonds that CS&Co. sells.

## **Forward-Looking Statements**

The statements contained in this Official Statement and in any other information provided by the City that are not purely historical are forward-looking statements, including statements regarding the City's expectations, hopes, intentions, or strategies regarding the future. Readers should not place undue reliance on forward-looking statements. All forward-looking statements included in this Official Statement are based on information available to the City on the date hereof, and the City assumes no obligation to update any such forward-looking statements. It is important to note that the City's

actual results could differ materially from those in such forward-looking statements.

The forward-looking statements included in this document are necessarily based on various assumptions and estimates and are inherently subject to various risks and uncertainties, including risks and uncertainties relating to the possible invalidity of the underlying assumptions and estimates and possible changes or developments in social, economic, business, industry, market, legal, and regulatory circumstances and conditions and actions taken or omitted to be taken by third parties, including customers, suppliers, business partners, and competitors, and legislative, judicial, and other governmental authorities and officials.

Assumptions related to the foregoing involve judgments with respect to, among other things, future economic, competitive, and market conditions and future business decisions, all of which are difficult or impossible to predict accurately and many of which are beyond the control of the City. Any of such assumptions could be inaccurate and, therefore, there can be no assurance that the forward-looking statements included in this Official Statement will prove to be accurate.

#### **Verification of Arithmetical and Mathematical Calculations**

Upon delivery of the Bonds, the Verification Agent \_\_\_\_\_, a firm of independent certified public accountants, will deliver to the City its report indicating that it has examined the mathematical accuracy of computations prepared by PFM relating to the sufficiency of the payments on the Escrowed Securities and cash to be deposited in the Escrow Fund.

The report of the Verification Agent will include the statement that the scope of its engagement was limited to verifying the mathematical accuracy of the computations contained in such schedules provided to it and that it has no obligation to update its report because of events occurring, or data or information coming to their attention, subsequent to the date of their report. The report of the Verification Agent will be relied upon by Bond Counsel in rendering its opinions with respect to the exclusion of interest on the Bonds for federal income tax purposes and with respect to the defeasance of the Refunded Obligations.

#### **Miscellaneous Information**

The financial data and other information contained in this document have been obtained from the City's records, audited financial statements and other sources which are believed to be reliable. There is no guarantee that any of the assumptions or estimates contained in this document will be realized. All of the summaries of the statutes, documents and ordinances contained in this Official Statement are made subject to all of the provisions of such statutes, documents and ordinances.

These summaries do not purport to be complete statements of such provisions and reference is made to such documents for further information. Reference is made to original documents in all respects. The Thirty-Eighth Supplement approved the form and content of this Official Statement, and any addenda, supplement or amendment thereto, and authorize its further use in the offering of the Bonds by the Underwriters.

ATTEST:

\_\_\_\_\_  
City Clerk  
City of Austin, Texas

\_\_\_\_\_  
Mayor  
City of Austin, Texas

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## APPENDIX A

### GENERAL INFORMATION REGARDING THE CITY

#### GENERAL INFORMATION

The City of Austin, chartered in 1839, has a Council-Manager form of government with a Mayor who is elected at-large and ten Councilmembers who are elected by geographic district. The elected officials serve four-year staggered terms subject to a maximum of two consecutive terms. The City Manager, appointed by the City Council, is responsible to the City Council for the management of all City employees, except City Council appointees, and for the administration of all City affairs.

The City, which is the capital of Texas, is the fourth most populous city in the state (behind Houston, San Antonio, and Dallas) and the eleventh largest in the nation with a September 2020 population of 1,006,727 according to the City's estimates. Over the past ten years, Austin's population increased by 25% or 201,065 residents. The City's demographer predicts that Austin will surpass the one million mark by mid-year 2020. Recent data released by the U.S. Census Bureau identified the Austin-Round Rock MSA as the fastest growing in the country. Geographically, Austin consists of approximately 327 square miles. The current estimated median household income for Austin residents is \$65,950 according to Nielsen Site Reports and Austin's per capita personal income is estimated to be \$63,400, a 7.9% increase over 2018.

Austin, the capital of Texas, is the fourth most populous city in the state (behind Houston, San Antonio, and Dallas) and the eleventh largest in the nation with a September 2020 population of 1,006,727, according to the City's estimates. Over the past ten years, Austin's population has increased by 25%, or 201,065 residents. Austin remains one of the fastest-growing cities in the U.S. Geographically, Austin consists of approximately 327 square miles. The current estimated median household income for Austin residents is \$69,001 according to Nielsen Site Reports and Austin's per capita personal income is estimated to be \$67,400, a 6.3% increase over 2019.

Austin consistently ranks high in the *U.S. News & World Report* list of best places to live, and in 2020, it ranked third. The quality of life that Austin offers has become its biggest economic development engine, and the City's increasingly diverse demographics serve to support and enrich it further. Austin residents are highly educated, with 52% of adults twenty-five years or older holding a bachelor's or advanced degree, compared to 30% for Texas and 32% for the U.S. Higher education is a significant aspect of life in the Austin area, which is host to six universities, a robust community college system, and numerous other institutions of higher learning. The University of Texas at Austin (UT), a world-class center of education and research, consistently ranks in the top 10 largest public universities in the U.S. in terms of undergraduate enrollment. In the 2021 *U.S. News & World Report* Best Colleges survey, the university ranks thirteenth (tied) among public universities and its business programs were ranked fifth (tied) among national universities, both public and private.

The City is nationally recognized as a great place to live due in part to its diverse, educated and eclectic population, as well as its promotion of a year-round outdoor active lifestyle. The City draws its special character from its physical setting along the Balcones Escarpment, wedged between coastal plains and dramatic cliffs, canyons, and juniper-carpeted rolling hills.

#### Major Initiatives

Efforts led by multiple city departments this year focused on curtailing the spread of COVID-19 and supporting the community including small businesses, individuals and families to weather the unprecedented challenge of a global pandemic. Despite the challenges, the City has continued with its long-term vision of being the most livable community in the country and has a highly dedicated workforce to support City Council's policies and initiatives. City staff are committed to creating a work environment that fosters sustainable and equitable solutions, creative thinking and innovation throughout the organization, thereby better positioning the workforce to more effectively respond to new challenges as well as new opportunities. City employees take enormous pride in their public service to our community.

*Imagine Austin* – Imagine Austin, a comprehensive plan for the City's future approved by City Council in June 2012, sets a context to guide decision-makers for the next 30 years. The plan adheres to six core principles established in collaboration with Austin citizens:

- Grow as a compact, connected city
- Integrate nature into the city
- Provide paths to prosperity for all
- Develop as an affordable and healthy community
- Sustainably manage water, energy, and other environmental resources
- Think creatively and work together

*Strategic Plan* – In the spring of 2018, the City Council adopted a strategic plan, Strategic Direction 2023, to provide a shared vision for the City for the next three to five years. Strategic Direction 2023 is inspired by Imagine Austin, which laid out a 30-year vision for the City. Six priority strategic outcomes were identified to help develop and guide City policies, initiatives, and budget development. The six outcomes are:

- Mobility;
- Economic Opportunity and Affordability;
- Safety;
- Health and Environment;
- Culture and Lifelong Learning; and
- Government that Works for All.

As a result of the Strategic Direction 2023 effort, the annual budget underwent significant modification to present departmental expenditure plans and measures affecting these six outcomes.

*Mobility* – In November 2020, Austinites approved two propositions dedicated to improving mobility. The first, Proposition A, dedicates approximately 20.789% of ongoing City maintenance and operations property tax revenue to fund Project Connect, a new multi-modal transit system that the City is developing in partnership with the local transit authority, Capital Metro. Included in the plan are a new rail system, a downtown transit tunnel, an expanded bus system and a transition to an all-electric fleet. Initial funding of \$145 million collected in 2021 will be dedicated to Austin Transit Partnership, a regional transportation entity formed to oversee design, construction, and implementation of the Project Connect program. The second, Proposition B, provides \$460 million to significantly address sidewalk gaps, complete 80% of the City's bike lane network, boost the Vision Zero program, and other projects consistent with the Austin Strategic Mobility Plan. The capital spending plan for 2021 includes continued corridor improvements, installation of bikeway infrastructure and safety improvements to intersections with high-crash occurrences. An operational highlight of the year was implementation of the Healthy Streets Initiative, which opened up street space on approximately 10 miles of local roadway that enabled socially distanced walking, running, biking and other activities.

*Economic Opportunity and Affordability* – Ensuring that every Austinite has access to economic opportunities and resources that enable them to thrive is vital to this outcome, which was severely affected by the pandemic. In order to help residents and businesses recover from the hardships caused by the pandemic, the Economic Development Department established seven programs to distribute \$128.3 million in support to musicians, live music venues, childcare providers, small businesses, and non-profit organizations. A variety of funding sources, including CARES funds, City operating funds, FEMA Public Assistance, and General Fund reserves were put toward this effort. Ending homelessness continues to be a high priority item for City Council. During 2020, nearly 1,400 people were moved into housing and out of homelessness and 69 continuum of care units were constructed, surpassing the target of 50 units for the year. In addition, the City purchased two hotels which will be used for transitional and permanent supportive housing. For fiscal year 2021, the budget includes \$68.7 million to address this issue. Funding is provided for a full range of services including housing displacement prevention, crisis mitigation while experiencing homelessness, re-empowerment by providing safe and sustainable housing solutions, and related support. In addition, \$107.6 million in capital spending on affordable housing is planned for fiscal year 2021, with major project expenditures related to mixed-income, multi-family rental units and construction of new units for permanent supportive housing. This increase of over \$60 million from fiscal year 2020 is due to the passage of Proposition A in 2018 and includes funding for land acquisitions for affordable housing. Preventing homelessness is an important part of the overall effort to provide opportunity and affordability. The economic interruption of the pandemic has made it impossible for those that live from paycheck to paycheck to pay their rent. Toward this effort, \$25 million in direct rental assistance is being distributed to landlords through fiscal years 2020 and 2021. Recently the City received an additional \$29 million for Emergency Rental Assistance as the pandemic continues. Additionally, the City and Travis County have continued to extend eviction bans to keep people housed and reduce the spread of the virus. For

residents paying utilities, there was a net decrease in charges assessed by the City's six enterprise departments on monthly utility bills for 2021. The decrease was driven by a reduction in the regulatory charge assessed by Austin Energy. As approved by Council in April 2020 in response to COVID-19 impacts on utility customers and again in March 2021, Austin Energy and Austin Water each provided \$5 million across both fiscal years for a total of \$20 million to the Plus 1 assistance program.

*Safety* – Community expectations to address historical institutional inequality played a significant role in analyzing this outcome to reimagine public safety. As part of this effort, for the 2021 budget Council directed the City Manager to identify resources that could be reallocated to alternative public health and safety strategies. These strategies include increased funding for mental health first response, the creation of the Office of Violence Prevention within the Office of Police Oversight, funding a service provider to operate a family shelter and a new Civil Rights Office among many other initiatives. While resources were shifted with this effort, the operating budget for the safety outcome remained constant at \$1 billion. The joint Fire/EMS station in Del Valle/Moore's Crossing opened in 2020, the first of five stations to be built in six years as part of a council resolution adopted in 2018. In support of anticipated risk due to wildfire, the City adopted the International Wildland Urban-Interface Code. Austin is the first major city in Texas to adopt such a code, which will apply to new construction and remodels in Wildland Urban Interface areas.

*Health and Environment* – Austin Public Health (APH) activated the Department Operations Center on February 5, 2020, well before the first cases of COVID-19 were confirmed on March 13, 2020. In conjunction with multiple departments, including Homeland Security and Emergency Management, APH established an online platform for COVID-19 public assessment and drive-through testing, a hotline for the restaurant community and lodging facilities for vulnerable communities. Additionally, APH was selected by the state as one of 18 regional vaccination providers, or hubs, for its ability to efficiently vaccinate large groups of qualified individuals. As a testament to these many efforts, in addition to the efforts of residents, businesses and community leaders, the Austin area has experienced the lowest total COVID-19 positive cases per capita compared to other metro areas in the state since the pandemic began. Capital expenditures for this strategy lie predominantly with Austin Water Utility for upgrades and improvements through the Williamson Creek Interceptor and the Advanced Metering Infrastructure projects. Also slated for fiscal year 2021 is the design phase for a pilot of an Aquifer Storage Recovery (ASR) Facility. This water supply strategy was recommended by Water Forward in order to store available drinking water underground for increased operational resiliency in the event of emergency or possible climate-related events.

*Culture and Lifelong Learning* - A majority of the fiscal year 2021 budget for this strategic outcome lies with the Austin Public Library for continued support of the Central Library as well as library branches across the City. In support of residents during the shutdown, 11 branches of the library opened for curbside service providing access to all collections. In addition, \$3 million is included in the budget of the Live Music Fund for local music initiatives. With respect to capital spending, the 2018 voter approved public improvement bonds included funding for improvements to the Emma S. Barrientos Mexican American Cultural Center, which will begin the project's design phase in fiscal year 2021. Funding is also included to begin upgrading mechanical, electrical and plumbing components of the Faulk Central Library, previously the City's main library, for the Austin History Center, which will begin using the space upon completion.

*Government that Works for All* – As part of new initiatives in this strategy, the Civil Rights Office was created and will expand on previous City initiatives as well as provide education and outreach to the community. The office will have 13 staff and will reside under the City Manager's Office. The Information Security Office (ISO), previously housed under CTM, will become a stand-alone office in 2021 to bolster the City-wide information security program and architecture. This restructuring is the result of a recommendation from a cybersecurity audit conducted by the Office of the City Auditor. Finally, several departments are collaborating to launch and procure a contract for a human capital management system which will bring together over 20 stand-alone systems and create a single system for employee records. Among other things, this project will improve business processes to increase efficiencies. Funding is provided in both the operating and capital budgets for this multi-year endeavor. As to capital spending for fiscal year 2021 in this strategy, Austin Energy accounts for the majority of the expenditures, ensuring the maintenance of and upgrades to the electric infrastructure in order to provide safe and uninterrupted electric service. Funding to address deferred maintenance on City facilities and critical technology replacements over multiple departments accounts for 11% and nearly \$50 million of the Government that Works for All outcome.

## **FINANCIAL INFORMATION**

### **Internal Controls**

City management is responsible for establishing, implementing, and maintaining a framework of internal controls designed to ensure that City assets are protected from loss, theft, or misuse and to ensure that adequate accounting data is compiled to allow for the preparation of financial statements in conformity with GAAP. The system of internal control is designed to provide reasonable, but not absolute, assurance that these objectives are met. The concept of reasonable assurance recognizes that the cost of control should not exceed the benefits likely to be derived, and the evaluation of costs and benefits requires estimates and judgments by management.

## **Financial Policies**

The City adopted a comprehensive set of Financial Policies to ensure that the City's financial resources are managed in a prudent manner and to provide a foundation for financial sustainability. Compliance with these policies is reviewed annually as part of the budget process. The policies and results of the review are published in the Approved Budget document. An important element of the policies dictates that current revenue will be sufficient to support current expenditures (defined as "structural balance"). Assigned and unassigned fund balances in excess of what is required shall normally be used to fund capital items. The City maintains the goal of a structurally balanced budget to achieve long-term financial stability for the City. In 2020, City Council revised General Fund financial policies and established a goal to increase the Emergency Reserve from 6% to 8% and to limit expenditure of the Budget Stabilization reserve to emergency situations unless it exceeds 6%. This will ultimately result in an increase of total General Fund reserves from 12% to 14% of operating expenses.

## **Long-term Financial Planning**

Austin leaders are continually looking towards and planning for the future. A key City financial policy requires annual preparation of a five-year financial forecast projecting revenues and expenditures for all operating funds. This forecast is used as a tool to develop the following year's operating budget. In addition, the City annually prepares a five-year Capital Improvement Project (CIP) Plan that outlines all capital projects in progress, those that will be implemented in the five-year horizon, and related funding sources. A second plan covering a 10-year planning horizon, the Long-Range CIP Strategic Plan, is updated biennially. This plan provides a data-driven approach to planning for how the City's future capital improvements support the way Austin functions and grows. Such an approach assists in aligning the City's CIP investments with the Imagine Austin Comprehensive Plan and the City Council's strategic priorities as the City strives to strike a balance between ongoing capital needs necessary to maintain services for a rapidly growing community and strategic investments that support community priorities. City departments prepare a number of other long- and mid- range service plans that provide input into decisions made in the planning and budgeting process. These plans range from clean energy and climate protection to strategic mobility planning. Maintaining sound financial and economic development policies within the City organization allows for a high level of services to the community. It also results in positive bond ratings, which measures the City's ability to repay its debt.

## **Budgetary Control**

The annual operating budget is proposed by the City Manager and approved by the City Council after public discussion. Annual budgets are legally required for the General Fund, debt service funds, and certain special revenue funds. While not legally required, annual budgets are also adopted for the enterprise and internal service funds. Annual updates to the Capital Improvements Program budgets follow a similar process. Multi-year budgets are adopted for capital projects and grant funds.

Throughout the year, primary responsibility for fiscal analysis of budget to actual expense or revenue and overall program fiscal standing rests with the department operating the program. The City Manager is authorized to transfer appropriation balances within a department of the City. The City Council must approve amendments to the budget and transfers of appropriations from one department to another. As demonstrated by the statements and schedules included in the 2020 Annual Report, the City continues to meet its responsibility for sound financial management.

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## ADDITIONAL INFORMATION

### Ten Largest Employers (As of September 30, 2020)

<u>Employer</u>	<u>Industry</u>	<u>Employees</u>	<u>Percent of MSA Total</u>
State Government	Government	39,086	3.58
The University of Texas at Austin	Education	27,426	2.51
HEB Grocery Stores	Grocery/Retail	18,035	1.65
Federal Government	Government	17,100	1.57
City of Austin	Government	14,722	1.35
Dell Computer Corporation	Computers	14,030	1.28
Ascension Seton	Healthcare	11,227	1.03
Austin Independent School District	Education	11,005	1.01

St. David's Healthcare Partnership  
Walmart Stores Inc.

Healthcare  
Retail

10,836  
7,500

0.99  
0.69

Source: 2020 Comprehensive Annual Financial Report

### Demographic and Economic Statistics - Last Ten Years

<u>Year</u>	<u>City of Austin Population (1)</u>	<u>Area of Incorporation (Square Miles) (1)</u>	<u>Population MSA (2)</u>	<u>Income (MSA) (thousands of dollars) (2)</u>	<u>Median Household Income MSA (3)</u>	<u>Per Capita Personal Income MSA (3)</u>	<u>Unemployment Rate (MSA) (4)</u>
2011	805,662	308	1,780,605	77,881,693	46,689	43,739	6.6%
2012	821,012	319	1,834,926	85,635,903	46,818	46,670	5.7%
2013	841,649	321	1,883,901	88,950,627	46,436	47,216	5.2%
2014	878,002	321	1,943,409	97,181,958	49,227	50,006	4.2%
2015	899,919	323	2,002,591	103,244,100	52,519	51,555	3.4%
2016	925,491	326	2,062,211	107,664,294	56,163	52,208	3.3%
2017	946,080	325	2,115,230	117,458,116	56,849	55,530	3.1%
2018	963,797	326	2,168,316	127,439,164	63,191	58,773	2.9%
2019	980,886	327	2,187,161	138,650,094	65,950	63,393	2.6%
2020	1,006,727	327	2,235,584(6)	150,639,599(5)	69,001(6)	67,400(5)	6.3%
2011-2020 Change	24.96%	6.07%	25.55%	93.42%	47.79%	54.10%	

Note: Prior year statistics are subject to change as more precise numbers become available.

- (1) Source: City Demographer, City of Austin, Neighborhood Planning and Zoning Department based on full purpose area as of September 30.
- (2) Source: Bureau of Economic Analysis for all years except 2020 which was not available at the time this table was published.
- (3) Source: Claritas, a Nielson Company.
- (4) Source: Bureau of Labor Statistics; United States Department of Labor as of September 30, 2020.
- (5) Data not available for 2020. Figures are estimated.
- (6) Source: Nielsen SiteReports.

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### City Sales Tax Collections (In Millions) (1)

<u>Period</u>	<u>Amount</u>	<u>Period</u>	<u>Amount</u>	<u>Period</u>	<u>Amount</u>	<u>Period</u>	<u>Amount</u>	<u>Period</u>	<u>Amount</u>	<u>Period</u>	<u>Amount</u>
1-1-16	\$16.138	1-1-17	\$17.697	1-1-18	\$18.369	1-1-19	\$18.697	1-1-20	\$20.198	1-1-21	\$19.781
2-1-16	21.884	2-1-17	21.866	2-1-18	22.174	2-1-19	23.474	2-1-20	26.824	2-1-21	25.532
3-1-16	15.667	3-1-17	16.597	3-1-18	17.895	3-1-19	19.197	3-1-20	20.704	3-1-21	18.927
4-1-16	15.528	4-1-17	17.370	4-1-18	16.939	4-1-19	18.499	4-1-20	19.065	4-1-21	17.768
5-1-16	19.258	5-1-17	18.790	5-1-18	21.249	5-1-19	21.771	5-1-20	20.801	5-1-21	26.089
6-1-16	17.070	6-1-17	16.838	6-1-18	18.371	6-1-19	20.966	6-1-20	16.875	6-1-21	23.139
7-1-16	16.836	7-1-17	18.059	7-1-18	19.552	7-1-19	20.275	7-1-20	18.096	7-1-21	23.952
8-1-16	21.467	8-1-17	19.930	8-1-18	20.338	8-1-19	21.556	8-1-20	21.667		
9-1-16	16.352	9-1-17	17.401	9-1-18	19.701	9-1-19	21.797	9-1-20	19.750		
10-1-16	17.106	10-1-17	17.828	10-1-18	19.502	10-1-19	20.080	10-1-20	19.178		
11-1-16	19.059	11-1-17	19.382	11-1-18	20.661	11-1-19	22.017	11-1-20	22.036		
12-1-16	17.033	12-1-17	17.567	12-1-18	20.482	12-1-19	21.463	12-1-20	20.670		
	<u>\$213.40</u>		<u>\$219.33</u>		<u>\$235.23</u>		<u>\$249.79</u>		<u>\$246.658</u>		<u>\$155.189</u>

(1) Sales taxes are not pledged to the payment of the Bonds.

Source: City of Austin, Budget Office

### Utility Connections

Utility Connections			
<u>Year</u>	<u>Electric (1)</u>	<u>Water (1)</u>	<u>Gas (1)</u>
2011	417,865	212,752	213,365
2012	422,375	214,928	217,170
2013	430,582	217,070	216,688
2014	439,403	217,036	223,500
2015	450,479	223,164	228,700
2016	461,345	227,432	223,158
2017	472,701	231,014	226,749
2018	485,204	235,174	221,314
2019	496,258	239,291	238,753
2020	507,660	243,820	239,063

(1) Based on the City's fiscal year, which runs October 1 through September 30.

Source: Various, including the City of Austin, Texas Gas Services, Atmos Energy and Centerpoint Energy.

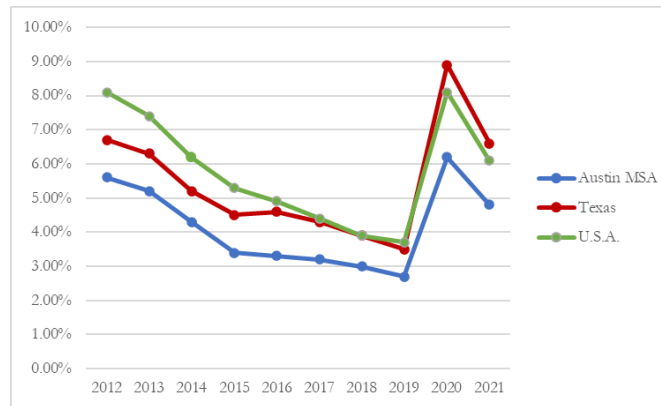
### Employment by Industry in the Austin Metropolitan Area (1)

	2016		2017		2018		2019		2020	
		<u>% of total</u>		<u>% of total</u>		<u>% of total</u>		<u>% of total</u>		<u>% of total</u>
Mining, Logging, and Construction	58,800	5.87%	62,100	6.00%	64,500	6.00%	69,000	6.18%	71,200	6.41%
Manufacturing	55,800	5.57%	57,400	5.55%	60,700	5.64%	62,500	5.60%	65,000	5.85%
Trade, Transportation, and Utilities	170,100	16.99%	174,800	16.89%	179,700	16.71%	184,800	16.56%	195,300	17.58%
Information	29,000	2.90%	30,800	2.98%	34,700	3.23%	38,400	3.44%	40,500	3.65%
Financial Activities	57,000	5.69%	60,200	5.82%	63,100	5.87%	66,200	5.93%	69,700	6.27%
Professional and Business Services	171,000	17.08%	177,600	17.16%	187,700	17.45%	198,700	17.80%	207,400	18.67%
Education and Health Services	115,600	11.55%	120,600	11.65%	125,300	11.65%	128,900	11.55%	124,900	11.24%
Leisure and Hospitality	122,000	12.19%	125,700	12.15%	130,700	12.15%	135,600	12.15%	106,400	9.58%
Other Services	43,800	4.37%	45,000	4.35%	46,300	4.30%	47,500	4.26%	42,300	3.81%
Government	<u>178,100</u>	<u>17.79%</u>	<u>180,700</u>	<u>17.46%</u>	<u>183,000</u>	<u>17.01%</u>	<u>184,600</u>	<u>16.54%</u>	<u>188,300</u>	<u>16.95%</u>
Total nonfarm employment	<u>1,001,200</u>	<u>100%</u>	<u>1,034,900</u>	<u>100%</u>	<u>1,075,700</u>	<u>100%</u>	<u>1,116,200</u>	<u>100%</u>	<u>1,111,000</u>	<u>100%</u>

(1) Austin-Round Rock MSA includes the counties of Travis, Bastrop, Caldwell, Hays and Williamson. Information is updated periodically; data contained in this document is the latest provided. Based on calendar year.

Source: U.S. Bureau of Labor Statistics. Non-seasonally adjusted.

## Average Annual Unemployment Rate



Year	Austin MSA	Texas	U.S.A.
2012	5.6%	6.7%	8.1%
2013	5.2%	6.3%	7.4%
2014	4.3%	5.2%	6.2%
2015	3.4%	4.5%	5.3%
2016	3.3%	4.6%	4.9%
2017	3.2%	4.3%	4.4%
2018	3.0%	3.9%	3.9%
2019	2.7%	3.5%	3.7%
2020	6.2%	8.9%	8.1%
2021(1)	4.8%	6.6%	6.1%

Source: U. S. Bureau of Labor Statistics, accessed July 28, 2021. Unemployment rates are non-seasonally adjusted. Information is updated periodically; the BLS revised certain prior year unemployment data for the Austin MSA on April 17, 2020 and for the State of Texas on March 4, 2020.

(1) Reflects the June 2021 monthly unemployment rate.

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## Housing Units

Rental rates in the City averaged \$1.50 per square foot, with an occupancy rate of 91.5% as of June 30, 2020, per Capitol Market Research.

## Residential Sales Data (Austin-Round Rock MSA)

<u>Year</u>	<u>Number of Sales</u>	<u>Total Volume (\$)</u>	<u>Average Price (\$)</u>
2012	25,148	6,677,787,522	265,540
2013	29,914	8,563,906,606	286,284
2014	30,073	9,213,870,475	306,383
2015	31,326	10,342,187,130	330,147
2016	32,580	11,292,237,627	346,600
2017	33,842	12,376,009,278	365,700
2018	34,656	13,156,532,792	379,632
2019	37,057	14,570,169,172	393,183
2020	40,311	17,629,901,730	437,347
2021(1)	4,369	2,621,271,158	599,971

Source: Real Estate Center at Texas A&M University.  
(1) Data as of July 2021.

## City-Wide Austin Office Occupancy Rate

<u>Year</u>	<u>Occupancy Rate</u>
2012	86.8%
2013	89.2%
2014	90.9%
2015	90.9%
2016	91.8%
2017	89.5%
2018	89.4%
2019	89.4%
2020	90.0%
2021(1)	79.8%

(1) As of June 2021.  
Source: Cushman & Wakefield.

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**APPENDIX B**  
**AUDITED FINANCIAL STATEMENTS**

DRAFT

**APPENDIX C**

**COPY OF MASTER ORDINANCE**

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## APPENDIX D

### SELECTED MODIFIED PROVISIONS FROM ORDINANCES RELATING TO PRIOR SUBORDINATE LIEN OBLIGATIONS

References in this Appendix to Prior Lien Bonds are no longer effective. As of May 15, 2019, the last of the outstanding Prior Lien Bonds were retired. Under the terms of the Master Ordinance, the City covenanted not to issue Prior Lien Bonds in the future.

Definitions. The following definitions are provided:

City-shall mean the City of Austin, Texas, located in the Counties of Travis and Williamson.

Electric Light and Power System-shall mean all facilities and plants currently owned, operated and maintained by the City, wholly or partially in participation with others, for the generation, transmission, supply and distribution of electrical energy and power, together with all future extensions, improvements, replacements and additions thereto, and all replacements thereof; provided that, notwithstanding the foregoing, and to the extent now or hereafter authorized or permitted by law, the term "Electric Light and Power System" shall not include facilities of any kind (including any electric power generating and transmission facilities) which are declared not to be a part of the Electric Light and Power System and which are acquired or constructed by the City, or in participation with others, with the proceeds from the issuance of "Special Facilities Bonds," which are hereby defined as being special revenue obligations of the City which are not Prior Lien Bonds, Subordinate Lien Bonds or Separate Lien Obligations but which are payable from and secured by other liens on and pledges of any revenues, sources or payments not pledged to the payment of the Prior Lien Bonds, the Subordinate Lien Bonds or Separate Lien Obligations including, but not limited to, special contract revenues or payments received from any other legal entity in connection with such facilities.

Fiscal Year-shall mean the twelve month period used by the City in connection with the operation of the Systems which may be any twelve consecutive month period established by the City.

Government Obligations-shall mean direct obligations of the United States of America, including obligations the principal of and interest on which are unconditionally guaranteed by the United States of America, which may be United States Treasury obligations such as its State and Local Government Series, and which may be in book-entry form.

Gross Revenues-shall mean, with respect to the Electric Light and Power System or the Waterworks and Sewer System, all income, receipts and revenues of every nature derived or received from the operation and ownership (excluding refundable meter deposits, restricted gifts and grants and proceeds derived from the sale or other disposition of all or part of the City's participating interest in the South Texas Project and revenues, sources or payment from facilities acquired or constructed with "Special Facilities Bonds") of the respective system, including earnings and income derived from the investment or deposit of moneys in any special funds or accounts created and established by the City for the payment and security of the Prior Lien Bonds or the Subordinate Lien Bonds or Separate Lien Obligations.

Maintenance and Operating Expenses-shall mean, with respect to the Electric Light and Power System or the Waterworks and Sewer System, all current expenses of operating and maintaining the respective system, including all salaries, labor, materials, repairs and extensions necessary to render efficient service; provided, however, that only such repairs and extensions, as in the judgment of the City Council, reasonably and fairly exercised, are necessary to maintain the operations and render adequate service to the City and the inhabitants thereof, or such as might be necessary to meet some physical accident or condition which would otherwise impair the Prior Lien Bonds or the Subordinate Lien Bonds shall be deducted in determining "Net Revenues." Depreciation shall never be considered as an expense of Maintenance and Operation. Maintenance and Operating Expenses shall include payments under contracts for the purchase of power and energy, water supply or other materials, goods or services for the Systems to the extent authorized by law and the provisions of such contract.

Net Revenues-shall mean, with respect to the Electric Light and Power System or the Waterworks and Sewer System, Gross Revenues of the respective system after deducting the system's Maintenance and Operating Expenses.



Outstanding-shall mean with respect to Bonds, as of the date of determination, all Bonds theretofore issued and delivered under this Ordinance, except:(i) those Bonds canceled by the Paying Agent/Registrar or delivered to the Paying Agent/Registrar for cancellation; (ii) those Bonds for which payment has been duly provided by the City in accordance with the provisions of Section 27 hereof; and(iii) those Bonds that have been mutilated, destroyed, lost, or stolen and replacement Bonds have been registered and delivered in lieu thereof as provided in Section 30 hereof.

Subordinate Lien Bonds-shall mean the outstanding revenue bonds of those series designated) "City of Austin, Texas, Subordinate Lien Revenue Refunding Bonds, Series 1998," dated October 1, 1998.

Required Reserve-shall mean the amount required to be accumulated and maintained in the Reserve Fund under the provisions of Section 15 hereof.

Separate Lien Obligations-shall mean (a) those obligations hereafter (i) issued or incurred by the City payable solely from the Net Revenues of either the Electric Light and Power System or the Net Revenues of the Waterworks and Sewer System, but not both, (ii) incurred pursuant to express charter or statutory authority heretofore or hereafter adopted or enacted and (iii) which by the terms of the ordinance authorizing their issuance or the incurring of the obligation provide for payments to be made by the City for the retirement or payment thereof to be secured solely by a lien on and pledge of the Net Revenues of the Electric Light and Power System or the Net Revenues of the Waterworks and Sewer System, but not both, of equal dignity with the lien on and pledge of said Net Revenues securing the payment of the Subordinate Lien Bonds and (b) those contractual obligations of the City heretofore incurred payable solely from and secured by a lien on and pledge of the Net Revenues of the Water and Sewer System and securing the payment of certain outstanding contract revenue bonds more specifically identified in Exhibit B.

South Texas Project-shall mean the City's ownership interest in two nuclear steam electric generating units and related land and facilities, as more particularly defined in the South Texas Project Participation Agreement effective as of December 1, 1973, as amended.

Systems-shall mean collectively the Electric Light and Power System and the Waterworks and Sewer System.

Waterworks and Sewer System-shall mean all properties, facilities and plants currently owned, operated and maintained by the City for the supply, treatment and transmission of treated potable water and the collection, treatment and disposal of water-carried wastes, together with all future extensions, improvements, replacements and additions thereto; provided, however, that notwithstanding the foregoing, and to the extent now or hereafter authorized or permitted by law, the term "Waterworks and Sewer System" shall not include facilities of any kind which are declared not to be a part of the Waterworks and Sewer System and which are acquired or constructed by or on behalf of the City with the proceeds from the issuance of "Special Facilities Bonds," which are hereby defined as being special revenue obligations of the City which are not Prior Lien Bonds, Subordinate Lien Bonds or Separate Lien Obligations but which are payable from and secured by other liens on and pledges of any revenues, sources or payments, not pledged to the payment of Prior Lien Bonds, the Subordinate Lien Bonds or Separate Lien Obligations including, but not limited to, special contract revenues or payments received from any other legal entity in connection with such facilities.

Pledge. (a) Electric Light and Power System. Subject only to the prior lien on and pledge of the Net Revenues of the Electric Light and Power System for the payment and security of the Prior Lien Bonds, the City hereby covenants and agrees that the Net Revenues of the Electric Light and Power System, with the exception of those in excess of the amounts required for the payment and security of the Subordinate Lien Bonds and the Separate Lien Obligations, shall be and are hereby irrevocably pledged, equally and ratably, to the payment of the principal of and interest on the Subordinate Lien Bonds and Additional Subordinate Lien Bonds, if issued, and to satisfy amounts required for the payment of Separate Lien Obligations, if issued or incurred, and the pledge of the Net Revenues of the Electric Light and Power System in this document affirmed and made for the payment and security of the Subordinate Lien Bonds and Separate Lien Obligations, if issued, shall constitute a lien on the Net Revenues of the Electric Light and Power System in accordance with the terms and provisions hereof, subject and subordinate only to the lien and pledge securing the payment of the Prior Lien Bonds.

(b) Waterworks and Sewer System. Subject only to the prior lien on and pledge of the Net Revenues of the Waterworks and Sewer System for the payment and security of the Prior Lien Bonds, the City hereby covenants and agrees that the Net Revenues of the Waterworks and Sewer System, with the exception of those in excess of the amounts required for the payment and security of the Subordinate Lien Bonds and the Separate Lien Obligations, shall be and are hereby

irrevocably pledged, equally and ratably, to the payment of the principal of and interest on the Subordinate Lien Bonds and Additional Subordinate Lien Bonds, if issued, and to satisfy amounts required for the payment of Separate Lien Obligations now outstanding and hereafter issued or incurred, and the pledge of the Net Revenues of the Waterworks and Sewer System in this document affirmed and made for the payment and security of the Subordinate Lien Bonds and Separate Lien Obligations now outstanding and hereafter issued, shall constitute a lien on the Net Revenues of the Waterworks and Sewer System in accordance with the terms and provisions hereof, subject and subordinate only to the lien and pledge securing the payment of the Prior Lien Bonds.

Rates and Charges. For the benefit of the Holders and in addition to all provisions and covenants in the laws of the State of Texas and in this Ordinance, the City hereby expressly stipulates and agrees, while any of the Subordinate Lien Bonds are outstanding, to establish and maintain rates and charges for facilities and services afforded by the Electric Light and Power System and the Waterworks and Sewer System to provide Gross Revenues in each Fiscal Year from each System sufficient:

- (1) To pay the respective Maintenance and Operating Expenses thereof,
- (2) To provide amounts required to establish, maintain or restore, as the case may be, a required balance in any reserve or contingency fund created for the payment and security of Separate Lien Obligations,
- (3) To produce combined Net Revenues of the Systems sufficient to pay the amounts required to be deposited in any reserve or contingency fund created for the payment and security of the Prior Lien Bonds, the Subordinate Lien Bonds, and other obligations or evidences of indebtedness issued or incurred that are payable only from and secured solely by a lien on and pledge of the combined Net Revenues of the Systems, and
- (4) To produce combined Net Revenues of the Systems (after satisfaction of the amounts required to be paid in 2 and 3 above) equal to at least the sum of (i) 1.25 times the annual principal and interest requirements (or other similar payments) for the then outstanding Prior Lien Bonds and Separate Lien Obligations and (ii) 1.10 times the total annual principal and interest requirements (or other similar payments) for the then outstanding Subordinate Lien Bonds and all other indebtedness (except Prior Lien Bonds and Separate Lien Obligations) payable only from and secured solely by lien on and pledge of the Net Revenues of the Systems, either or both.

Electric Light and Power System Fund. The City hereby covenants and agrees that the Gross Revenues of the Electric Light and Power System shall be deposited, as collected, into a separate account maintained with a depository bank of the City and known as the "Electric Light and Power System Fund" (in this document called the "Electric Fund") and such revenues of the Electric Light and Power System shall be kept separate and apart from all other funds of the City. All revenues deposited in the Electric Fund shall be pledged and appropriated to the extent required for the following uses and in the order of precedence shown:

FIRST: To the payment of all necessary and reasonable Maintenance and Operating Expenses of the Electric Light and Power System, as defined in this document or required by statute to be a first charge on and claim against the Gross Revenues thereof.

SECOND: To the payment of the amounts required to be deposited in the special funds or accounts created for the payment and security of the Prior Lien Bonds.

THIRD: To the payment of the amounts required to be deposited in the Reserve Fund to establish and maintain the Required Reserve in accordance with the provisions of this Ordinance or any other ordinance relating to obligations for which the Reserve Fund was created and established to pay.

FOURTH: To the payment of the amounts required to be deposited in the Interest and Redemption Fund created and established for the payment of principal of and interest on the Subordinate Lien Bonds as the same becomes due and payable and the payment of Separate Lien

Obligations secured by a lien on and pledge of the Net Revenues of the Electric Light and Power System.

Any Net Revenues remaining in the Electric Fund after satisfying the foregoing payments, or making adequate and sufficient provision for the payment thereof, may be appropriated and used for any other City purpose now or hereafter permitted by law.

Water and Sewer System Fund. The City hereby covenants and agrees that Gross Revenues of the Waterworks and Sewer System shall be deposited, as collected, into a separate account maintained with a depository bank of the City and known as the "Water and Sewer System Fund" (in this document called the "Water and Sewer Fund") and such revenues of the Waterworks and Sewer System shall be kept separate and apart from all other funds of the City. All revenues deposited in the Water and Sewer Fund shall be pledged and appropriated to the extent required for the following uses and in the order of precedence shown:

FIRST: To the payment of all necessary and reasonable Maintenance and Operating Expenses of the Waterworks and Sewer System, as defined in this document or required by statute to be a first charge on and claim against the Gross Revenues thereof.

SECOND: To the payment of the amounts required to be deposited in any special funds or accounts created for the payment and security of the Prior Lien Bonds.

THIRD: To the payment of the amounts required to be deposited in the Reserve Fund to establish and maintain the Required Reserve in accordance with the provisions of this Ordinance or any other ordinance relating to obligations for which the Reserve Fund was created and established to pay.

FOURTH: To the payment of the amounts required to be deposited in the Interest and Redemption Fund created and established for the payment of principal of and interest on the Subordinate Lien Bonds as the same becomes due and payable and the payment of Separate Lien Obligations secured by a lien on and pledge of the Net Revenues of the Waterworks and Sewer System.

Any Net Revenues remaining in the Water and Sewer Fund after satisfying the foregoing payments, or making adequate and sufficient provision for the payment thereof, may be appropriated and used for any other City purpose now or hereafter permitted by law.

Reserve Fund. (a) In connection with the issuance of the Prior Lien Bonds and Subordinate Lien Bonds, the City agrees and covenants to keep and maintain with its depository bank a separate and special fund known as the "Combined Pledge Revenue Bond Common Reserve Fund" (the "Reserve Fund") for the purpose of accumulating and maintaining funds as a reserve for the payment of the Prior Lien Bonds and Subordinate Lien Bonds in an amount (the "Required Reserve") equal to the average annual requirement (calculated on a calendar year basis) for the payment of principal of and interest (or other similar payments) on all outstanding Prior Lien Bonds and Subordinate Lien Bonds, as determined on (i) the date of the initial deposit of a Financial Commitment (in this document after defined) to the Reserve Fund or (ii) the date one or more rating agencies announces the rating of the insurance company or association providing the Financial Commitment for the Reserve Fund falls below the minimum requirement noted below, whichever date is the last to occur. All funds deposited in the Reserve Fund (excluding earnings and income derived or received from deposits or investments which, subject to the limitations in this document after specified, may be withdrawn and transferred from the Reserve Fund) shall be used solely for the payment of the principal of and interest on the Prior Lien Bonds and the Subordinate Lien Bonds on a pro rata basis, when (whether at maturity, upon mandatory redemption prior to maturity or any interest payment date) and to the extent other funds available for such purpose are insufficient, and, in addition, may be used to retire the last of the Prior Lien Bonds or Subordinate Lien Bonds outstanding.

The total amount required to be accumulated and maintained in the Reserve Fund is \$106,790,325.15 (the Required Reserve), which amount is equal to or greater than the average annual requirement (calculated on a calendar year basis) for the payment of principal of and interest (or other similar payments) on all outstanding Prior Lien Bonds and Subordinate Lien Bonds as determined on the date of the initial deposit of a Financial Commitment (in this document after defined) to the Reserve Fund.

Currently, the Reserve Fund is fully funded at the Required Reserve with Financial Commitments of Financial Security Assurance Inc. in the amounts of \$30,000,000 (the Initial Financial Commitment acquired) and \$76,790,325.15 (an additional Financial Commitment acquired on or about August 31, 2004).

When and so long as the money and investments, or Financial Commitments, are on deposit to the credit of the Reserve Fund in an amount equal to or exceeding the Required Reserve, no deposits need be made to the credit of the Reserve Fund; but when and if the Reserve Fund at any time contains less than the Required Reserve, the City covenants and agrees to cure the deficiency in the Required Reserve within twelve (12) months from the date the Required Reserve deficiency occurred with available Net Revenues in the Electric Fund and the Water and Sewer Fund, and the City hereby covenants and agrees that, subject only to payments required for the payment of principal of and interest on the Prior Lien Bonds and the establishment and maintenance of the special funds (other than the Reserve Fund) created for the payment and security thereof, all Net Revenues remaining in the Electric Fund and the Water and Sewer Fund shall be applied and appropriated and used to establish and maintain the Required Reserve and to cure any deficiency in such amount as required by the terms of this Ordinance and any other ordinance pertaining to obligations the payment of which are secured by the Required Reserve. During such time as the Reserve Fund contains the total Required Reserve, the City may, at its option, withdraw all surplus in the Reserve Fund in excess of the Required Reserve and deposit such surplus in the "Interest and Redemption Fund" created and established for the payment and redemption of the Subordinate Lien Bonds while the same remain outstanding and, at such time as the Subordinate Lien Bonds are no longer outstanding, such surplus may be deposited in the Bond Fund.

Notwithstanding any provision contained in this document to the contrary, the Required Reserve may be funded, in whole or in part, by depositing to the credit of the Reserve Fund (i) cash, (ii) investments, and (iii) one or more Financial Commitments. The term Financial Commitments means an irrevocable and unconditional policy of bond insurance or surety bond in full force and effect issued by an insurance company or association duly authorized to do business in the State of New York and the State of Texas and with financial strength meeting the requirements below. Such insurance policy or surety bond shall provide for payment thereunder of moneys when other funds available to the payment of the Prior Lien Bonds or Subordinate Lien Bonds, or both, in the interest and sinking fund maintained for the payment of the Prior Lien Bonds or Subordinate Lien Bonds, or both, is insufficient on a payment date when interest or principal, or both, is due and payable for such obligations.

The financial strength of the insurance company or association providing the Financial Commitment must be rated on the date of the deposit of the Financial Commitment to be credit of the Reserve Fund in the highest rating category by Moody's Investors Service, Inc., Standard & Poor's Ratings Services and Fitch Ratings and, if rated, by A.M. Best. In the event the rating of the financial strength of a provider of a Financial Commitment falls below (i) "Aa2" by Moody's Investors Service, Inc., (ii) "AA" by Standard & Poor's Ratings Services, (iii) "AA" by Fitch Ratings or (iv) if applicable, "A+" by A.M. Best, the City will be required to replace the Financial Commitment with (a) cash and Authorized Securities or (b) a substitute Financial Commitment issued by an insurance company or association that satisfies the ratings requirements summarized above in this paragraph (but in no event less than the ratings described in clauses (i), (ii), (iii) and (iv) of this sentence.).

Notwithstanding any provision in this document to the contrary, the City may at any time substitute one or more Financial Commitments for the cash and securities deposited to the credit of the Reserve Fund, and following the substitution of one or more Financial Commitments for cash and securities held in the Reserve Fund, the cash and securities released from the Reserve Fund, net of costs incurred with respect to the initial substitution of the Financial Commitment, shall be deposited to the credit of one or more special accounts maintained on the books and records of the City and expended only to pay, discharge and defease Prior Lien Bonds and Subordinate Lien Bonds in a manner that reduces the principal amount and Maturity Amount of outstanding Prior Lien Bonds and Subordinate Lien Bonds.

(b) Initial Financial Commitment. As permitted in paragraph (a) above, the City has determined to acquire initially a Financial Commitment for the Reserve Fund with coverage in the maximum amount of \$30,000,000 to fund in part the Required Reserve from Financial Security Assurance Inc., a New York domiciled insurance company (in this document after referred to as "FSA"). In accordance with FSA's terms for the issuance of a "Municipal Bond Debt Service Reserve Insurance Policy" (the "Reserve Policy"), an Insurance Agreement by and between the City and FSA has been submitted to the City for approval and execution, and such Insurance Agreement, substantially in the form and content of Exhibit A attached hereto, is hereby approved and authorized to be executed by the City Manager and such Insurance Agreement, as executed and delivered by the City Manager, shall be deemed the Insurance Agreement in this document approved by the City Council and authorized for execution.

To the extent the City should make a draw under the Reserve Policy, the City acknowledges and agrees the repayment of "Policy Costs," as defined in the Insurance Agreement, shall constitute a payment of an amount required to be deposited in the Reserve Fund to establish and maintain the Required Reserve, and insofar as the priority of uses of the revenues of (i) Electric Light and Power System and (ii) the Waterworks and Sewer System, such Policy Costs shall be entitled to the same priority of payment identified in the Prior Lien Bond Ordinances for payments required to be deposited in the Reserve Fund to establish and maintain the Required Reserve.

Interest and Redemption Funds. For purposes of providing funds to pay the principal of and interest on the Prior Lien Bond or the Subordinate Lien Bonds, as the case may be, as the same becomes due and payable (whether at maturity or upon redemption), the City agrees to maintain at a depository bank of the City a separate and special account or fund known as the "City of Austin Interest and Redemption Fund" (the "Interest and Redemption Fund").

The City covenants that there shall be deposited into said Fund prior to each interest and principal payment date for the Prior Lien Bonds and for the Subordinate Lien Bonds from the Net Revenues in the Electric Fund and the Water and Sewer Fund amounts equal to one hundred per centum (100%) of the amount required to fully pay the interest on and principal then due and payable on the Prior Lien Bonds and the Subordinate Lien Bonds, as the case may be, such deposits to pay principal at maturity or redemption, as the case may be, and accrued interest to be made in substantially equal monthly installments on or before the 14th day of each month, beginning on or before the 14th day of the month. If the Net Revenues in the Electric Fund and the Water and Sewer Fund in any month are then insufficient to make the required payments into the Interest and Redemption Fund, then the amount of any deficiency in the payment shall be added to the amount otherwise required to be paid into the Interest and Redemption Fund in the next month.

The monthly deposits to the Interest and Redemption Fund for the payment of principal and interest on the Prior Lien Bonds and the Subordinate Lien Bonds shall continue to be made as in this document above provided until such time as (i) the total amounts on deposit in the respective Interest and Redemption Fund and Reserve Funds is equal to the amount required to pay all outstanding indebtedness (principal and interest) for which said Funds were created and established or (ii) the Prior Lien Bonds or Subordinate Lien Bonds, as the case may be, are no longer Outstanding.

Accrued interest and premium, if any, received from the purchaser of the Bonds shall be deposited to the credit of the Interest and Redemption Fund and taken into consideration and reduce the amount of the monthly deposits in this document above required to be deposited in the Interest and Redemption Fund from the Net Revenues of the Systems.

Investment of Certain Funds. (a) Money in any Fund required to be maintained pursuant to this Ordinance may, at the option of the City, be placed in time deposits or certificates of deposit secured by obligations of the type in this document after described, or be invested, including investments held in book-entry form, in direct obligations of the United States of America, obligations guaranteed or insured by the United States of America, which, in the opinion of the Attorney General of the United States, are backed by its full faith and credit or represent its general obligations, or invested in indirect obligations of the United States of America, including, but not limited to, evidences of indebtedness issued, insured or guaranteed by such governmental agencies as the Federal Land Banks, Federal Intermediate Credit Banks, Banks for Cooperatives, Federal Home Loan Banks, Government National Mortgage Association, United States Postal Service, Farmers Home Administration, Federal Home Loan Mortgage Association, Small Business Administration, Federal Housing Association, or Participation Certificates in the Federal Assets Financing Trust; provided that all such deposits and investments shall be made in such a manner that the money required to be expended from any Fund will be available at the proper time or times. Such investments (except State and Local Government Series investments held in book entry form, which shall at all times be valued at cost) shall be valued in terms of current market value within 45 days of the close of each Fiscal Year. All interest and income derived from deposits and investments in the Interest and Redemption Fund immediately shall be credited to, and any losses debited to, the Interest and Redemption Fund. All interest and interest income derived from deposits in and investments of the Reserve Fund shall, subject to the limitations provided in Section 14 hereof, be credited to and deposited in the Interest and Redemption Fund.

All such investments with respect to the Interest and Redemption Fund and Reserve Fund shall be sold promptly when necessary to prevent any default in connection with the Subordinate Lien Bonds and, with respect to the Reserve Fund, to prevent any default in connection with the Prior Lien Bonds.

(b) Money in all Funds required to be maintained by this Ordinance, to the extent not invested, shall be secured in the manner prescribed by law for securing funds of the City.

Obligations of Inferior Lien and Pledge. The City hereby reserves the right to issue obligations payable from and secured by a lien on and pledge of the Net Revenues of the Systems, either or both, junior and subordinate to the lien and pledge securing the payment of the Subordinate Lien Bonds, as may be authorized by the laws of the State of Texas.

Maintenance and Operation-Insurance. The City shall maintain the Systems in good condition and operate each in an efficient manner and at reasonable cost. So long as any Bonds are Outstanding, the City agrees to maintain insurance, for the benefit of the Holders of the Bonds, on the Systems of a kind and in an amount which usually would be carried by municipal corporations engaged in a similar type of business. Nothing in this Ordinance shall be construed as requiring the City to expend any funds derived from sources other than the operation of the Systems, but nothing in this document shall be construed as preventing the City from doing so.

Sale, Lease or Disposal of System Property. To the extent and in the manner provided by law, the City can sell, exchange or otherwise dispose of property and facilities constituting part of the System at any time and from time to time, provided such sale or exchange of property or facilities does not impede the operations of the System. In the event the property, facilities or assets of the System sold or exchanged represents more than 5% of the total assets of the System, the City agrees to notify the rating agencies then rating the Prior Lien Bonds, Subordinate Lien Bonds and Separate Lien Obligations and bond insurance companies insuring the Prior Lien Bonds, Subordinate Lien Bonds and Separate Lien Obligations of such sale, exchange or disposal of property and facilities. Prior to the sale or exchange of any assets or properties representing more than 5% of the total assets of the System being completed, a written response shall be obtained from the rating agencies then rating the Prior Lien Bonds, Subordinate Lien Bonds and Separate Lien Obligations to the effect that such sale or exchange of such assets or properties in and of itself will not result in a rating category change of the ratings then assigned on such obligations. Furthermore, the City to the extent and in the manner provided by law may lease, contract, or grant licenses for the operation of, or make arrangements for the use of, or grant easements or other rights to the properties and facilities of the System, provided such lease, contract, license, arrangement, easement or right does not impede or disrupt the operations of the System. The proceeds of any such sale, exchange or disposal of property or facilities shall be deposited to the credit of a special Fund or Account, and funds deposited to the credit of such Fund or Account shall be used either (i) to acquire other property necessary or desirable for the safe or efficient operation of the System, or (ii) to redeem, defease or retire Prior Lien Bonds, Subordinate Lien Bonds or Separate Lien Obligations.

Records and Accounts. The City hereby covenants and agrees that so long as any of the Bonds or any interest thereon remains Outstanding, it will keep and maintain separate and complete records and accounts pertaining to the operations of the Waterworks and Sewer System and the Electric Light and Power System in which complete and correct entries shall be made of all transactions relating thereto, as provided by Article 1113, V.A.T.C.S. The Holders of any Bonds or any duly authorized agent or agents of such Holders shall have the right at all reasonable times to inspect such records, accounts and data relating thereto, and to inspect the respective Systems and all properties comprising same. The City further agrees that following the close of each Fiscal Year, it will cause an audit of such books and accounts to be made by an independent firm of Certified Public Accountants. Each such audit, in addition to whatever other matters may be thought proper by the Accountant, shall particularly include the following:

- (a) A detailed statement of the income and expenditures of the Electric Light and Power System and of the Waterworks and Sewer System for such Fiscal Year.
- (b) A balance sheet for the Electric Light and Power System and the Waterworks and Sewer System as of the end of such Fiscal Year.
- (c) The Accountant's comments regarding the manner in which the City has carried out the requirements of this Ordinance and any other ordinance authorizing the issuance of Prior Lien Bonds or Subordinate Lien Bonds and his recommendations for any changes or improvements in the operations, records and accounts of the respective Systems.
- (d) A list of insurance policies in force at the end of the Fiscal Year covering the properties of the respective Systems, setting out as to each policy the amount thereof, the risk covered, the name of the insurer and the policy's expiration date.

Expenses incurred in making an annual audit of the operations of the Systems are to be regarded as Maintenance and Operating Expenses of the respective Systems and paid on a pro rata basis or as otherwise determined by the City

from available revenues in the Electric Fund and Water and Sewer Fund, either or both. Copies of each annual audit shall be furnished to the Executive Director of the Municipal Advisory Council of Texas at his office in Austin, Texas, the Texas Water Development Board, Attention: Executive Administrator, State Water Pollution Control Revolving Fund and, upon request, to the original purchaser of any series of Subordinate Lien Bonds. The audits in this document required shall be made within 120 days following the close of each Fiscal Year insofar as is possible.

Deficiencies; Excess Net Revenues. (a) If on any occasion there shall not be sufficient Net Revenues of the Systems to make the required deposits into the Interest and Redemption Fund and the Reserve Fund, then such deficiency shall be cured as soon as possible from the next available Net Revenues of the Systems, or from any other sources available for such purpose.

(b) Subject to making the required deposits to (i) all special funds created for the payment and security of the Prior Lien Bonds (including the Reserve Fund) (ii) all special funds created for the payment and security of the Subordinate Lien Bonds (including the Interest and Redemption Fund) and (iii) all funds or accounts created for the benefit of Separate Lien Obligations, the excess Net Revenues of the Systems, either or both, may be used by the City for any lawful purpose.

Final Deposits; Governmental Obligations. (a) All or any of the Prior Lien Bonds or Subordinate Lien Bonds, as the case may be, shall be deemed to be paid, retired and no longer outstanding within the meaning of their respective ordinances when payment of the principal of, and redemption premium, if any, on such obligations, plus interest thereon to the due date thereof (whether such due date be by reason of maturity, upon redemption, or otherwise) either (i) shall have been made or caused to be made in accordance with the terms thereof (including the giving of any required notice of redemption), or (ii) shall have been provided by irrevocably depositing with, or making available to, the Paying Agent/Registrar, in trust and irrevocably set aside exclusively for such payment, (1) money sufficient to make such payment or (2) Government Obligations, certified by an independent public accounting firm of national reputation, to mature as to principal and interest in such amounts and at such times as will insure the availability, without reinvestment, of sufficient money to make such payment, and all necessary and proper fees, compensation and expenses of the Paying Agent/Registrar with respect to which such deposit is made shall have been paid or the payment thereof provided for the satisfaction of the Paying Agent/Registrar. At such time as an obligation shall be deemed to be paid hereunder, as aforesaid, it shall no longer be secured by or entitled to the benefit of this Ordinance or a lien on and pledge of the Net Revenues of the Systems, and shall be entitled to payment solely from such money or Government Obligations.

(b) Any moneys so deposited with the Paying Agent/Registrar, or an authorized escrow agent, may at the direction of the City also be invested in Government Obligations, maturing in the amounts and at the times as in this document before set forth, and all income from all Government Obligations not required for the payment of the obligations, the redemption premium, if any, and interest thereon, with respect to which such money has been so deposited, shall be turned over to the City or deposited as directed by the City.

(c) The City covenants that no deposit will be made or accepted under clause (a)(ii) of this Section and no use made of any such deposit which would cause the obligations to be treated as arbitrage bonds within the meaning of Section 103 of the Internal Revenue Code of 1986, as amended.

(d) Notwithstanding any other provisions of the ordinances, all money or Government Obligations set aside and held in trust pursuant to the provisions of this Section for the payment of the obligations, the redemption premium, if any, and interest thereon, shall be applied to and used for the payment of such obligations, the redemption premium, if any, and interest thereon and the income on such money or Government Obligations shall not be considered to be "Gross Revenues" under this Ordinance.

Remedy in Event of Default. In addition to all rights and remedies provided by the laws of the State of Texas, the City covenants and agrees particularly that in the event the City (a) defaults in payments to be made to the Interest and Redemption Fund or the Reserve Fund as required by the ordinances authorizing the issuance of the Prior Lien Bonds or the Subordinate Lien Bonds, as the case may be, or (b) defaults in the observance or performance of any other of the covenants, conditions or obligations set forth in such ordinances, the Holders of any of the Prior Lien Bonds or Subordinate Lien Bonds, as the case may be, shall be entitled to a writ of mandamus issued by a court of proper jurisdiction, compelling and requiring the City and its officers to observe and perform any covenant, condition or obligation prescribed in the ordinance authorizing their issuance. No delay or omission to exercise any right or power accruing upon any default shall impair any such right or power, or shall be construed to be a waiver of any such default or

acquiescence in this document, and every such right and power may be exercised from time to time and as often as may be deemed expedient.

The specific remedy in this document provided shall be cumulative of all other existing remedies and the specification of such remedy shall not be deemed to be exclusive.

Special Obligations. The Bonds are special obligations of the City payable from the pledged Net Revenues of the Systems and the Holders shall never have the right to demand payment thereof out of funds raised or to be raised by taxation.

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**APPENDIX E**

**FORM OF BOND COUNSEL'S OPINION**

DRAFT

## APPENDIX F

### SUMMARY OF REFUNDED BONDS (1)

#### Water and Wastewater System Revenue Refunding Bonds, Series 2011

<u>Maturity</u>	<u>Interest Rate</u>	<u>Par Amount Refunded</u>	<u>Call Date</u>	<u>Call Price</u>	<u>CUSIP(2)</u>
11/15/2022	4.000%	\$190,000	12/21/2021	100% of par	
11/15/2024	4.000%	2,050,000	12/21/2021	100% of par	
11/15/2024	5.000%	4,040,000	12/21/2021	100% of par	
11/15/2025	5.000%	13,545,000	12/21/2021	100% of par	
11/15/2025	3.500%	3,000,000	12/21/2021	100% of par	
11/15/2026	4.000%	3,250,000	12/21/2021	100% of par	
11/15/2026	5.000%	19,125,000	12/21/2021	100% of par	
11/15/2027	5.000%	5,875,000	12/21/2021	100% of par	
11/15/2028	5.000%	6,175,000	12/21/2021	100% of par	
11/15/2029	5.000%	6,490,000	12/21/2021	100% of par	
11/15/2030	5.000%	6,825,000	12/21/2021	100% of par	
11/15/2031	5.000%	4,000,000	12/21/2021	100% of par	
11/15/2031	4.000%	3,155,000	12/21/2021	100% of par	
11/15/2032	5.000%	7,510,000	12/21/2021	100% of par	
11/15/2033	5.000%	7,895,000	12/21/2021	100% of par	
11/15/2036	5.000%	26,195,000	12/21/2021	100% of par	
***					
11/15/2041 (3)	4.375%	5,000,000	12/21/2021	100% of par	
***					
11/15/2041 (3)	5.000%	<u>48,340,000</u>	12/21/2021	100% of par	
		<u>\$172,660,000</u>			

(1) Preliminary and subject to change. The refunding of any of the Refunded Bonds is contingent upon the delivery of the Bonds.

(2) CUSIP is a registered trademark of the American Bankers Association. CUSIP data is provided by CUSIP Global Service, managed by S&P Global Market Intelligence on behalf of the American Bankers Association. This data is not intended to create a database and does not serve in any way as a substitute for the CUSIP services. CUSIP numbers are provided for convenience of reference only. The City and the Financial Advisor take no responsibility for the accuracy of the CUSIP numbers.

(3) Represents a term maturity.