M E M O R A N D U M

TO: Mayor and Council Members

THROUGH: Robert Goode, P.E. Interim Assistant City Manager

FROM: Shay Ralls Roalson, P.E., Director, Austin Water

DATE: July 14, 2023

SUBJECT: **Water and Wastewater Impact Fee 2023 Update**

This memorandum provides an overview and status update on proposed increases to Austin Water's (AW) Capital Recovery Fees (CRFs). These fees are also known as Impact Fees. The proposed combined water and wastewater CRF is $7,700, an increase of $500 from the current CRF, which reflects anticipated growth in our community and the water and wastewater infrastructure needed to meet this growth. Under cover of this memorandum, AW is providing a copy of the Water & Wastewater Impact Fee Reports, which are required to contain updated Land Use Assumptions (LUA) and a Capital Improvement Program (CIP) Plan.

Background

Austin Water is required by state law to update water and wastewater CRFs every five years. AW will include this update for consideration and adoption by City Council in the FY 24 City of Austin Budget in August 2023.

The timeline and process for developing CRFs are stipulated by Texas Local Government Code Chapter 395. City Council is responsible for adopting the updated assessed fee, which may be any fee up to the calculated "maximum allowable" fee.

By code, the CRFs are charged at the point of sale of the water meter. The water and wastewater CRF is collected for a typical residential meter (5/8” diameter), with larger meters increasing proportionately based on their flow capacity, which is applied based on American Water Works Association (AWWA) recommendations and water supply practices. Our current meter and CRF schedule are posted and can be reviewed on our website.

Outreach and Next Steps

AW has been following the required process for CRF updates laid out in the Texas Local Government Code, which includes meeting with the City of Austin's Impact Fee Advisory Committee (IFAC). In

addition, AW has provided routine updates to ten community stakeholder groups. This outreach also included a presentation to the Real Estate Council of Austin (RECA) on April 3, 2023.

The next steps in the process and schedule through adoption are as follows:

7/20/23	City Council action to set a public hearing
8/16/23	Public hearing
8/16-8/18/23	City Council action to adopt CRFs

Recommendations

AW has proposed a combined water and wastewater CRF of $7,700 reflecting the costs for anticipated capacity growth and the water and wastewater infrastructure needed to meet this demand. Figure 1 shows the AW Impact Fes approved in 2013, 2018 and proposed for 2023. The CRFs adopted by City Council in August 2023 would remain in effect through 2028.

	2013 Approved	2018 Approved	2023 Proposed
Water	$5,400	$4,700	$4,800
Wastewater	$2,200	$2,500	$2,900
TOTAL	**$7,600**	**$7,200**	**$7,700**

Figure 1. Austin Water Impact Fees

AW appreciates your support of the CRF update process. If you have any questions or need any additional information, please contact me at 512-912-0109 or shay.roalson@austintexas.gov.

Cc: Jesús Garza, Interim City Manager
Kevin Critendon, P.E. Assistant Director, Austin Water
Martin Tower, P.E., Division Manager, Austin Water
Ross Crow, Assistant City Attorney, Law Department

Attachment: Water & Wastewater Impact Fee Reports

Attachment: Impact Fee Advisory Committee Recommendation

Austin WATER

WATER & WASTEWATER IMPACT FEE REPORTS:

ASSESSED AND COLLECTED FEES
LAND USE ASSUMPTIONS
CAPITAL IMPROVEMENTS PLAN

June 14, 2023

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ASSESSED AND COLLECTED FEES

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ASSESSED AND COLLECTED FEES

I. INTRODUCTION

Austin Water (AW) has developed this periodic impact fee update in close collaboration with the Austin City Council appointed Impact Fee Advisory Committee (IFAC) and other City of Austin (City) departments in accordance with state law. This required 5-year update takes a fresh look at Land Use Assumptions (LUA) and the impact fee Capital Improvement Plan (CIP) that will serve new development in the next 10 years. The basic requirements for determining the costs "Necessitated by and attributed to" new development are prescribed in the Impact Fee Act, Section 395.016 of the Texas Local Government Code. These requirements state that facility capacity that will be used by new growth and its cost are determined by first projecting the demand on the system (the LUA), and then deriving the facility plan for serving that demand (the CIP). The end-products are the maximum allowable impact fees for water and wastewater, which reflect the calculated cost of serving new growth that is not recouped in new customer rate payments. The law also sets the terms of fee assessment for a given tract of land.

The actual fees collected, up to the maximum allowable fee, are the purview of the Austin City Council. AW is proposing new collected fees for consideration via the public hearing mandated by the impact fee regulations. These proposed fees are presented in Section III. Subsequent to the hearing, Austin City Council will consider enacting an ordinance adopting new fees and, if approved, that ordinance will be appended to this document.

As detailed in the LUA section of this report, Austin continues to be one of the fastest growing cities in the country, with the projected 10-year growth estimated to be approximately 88,000 service units, in an impact fee service area that has not changed significantly from the 2018 update.

As detailed in the CIP section of this report, Austin's investments in infrastructure necessitated by and attributed to growth are planned to exceed $678M for water and $524M for wastewater, a combined increase of 24% over the 2018 10-year capital improvements program plan, which includes a notable investment in new wastewater treatment plant capacity.

An additional factor in calculating the new maximum allowable fees is a credit for growth project revenues AW is projected to collect from projected 10-year growth customers for receiving water and wastewater services, which, within the context of impact fees, may be referred to as a rate revenue credit. To avoid double charging new customers, the law requires that monies paid by new users toward the growth projects in the form of rates be subtracted from the 10-year growth project costs. Similar to the previous update in 2018, the rate revenue credit amount is calculated for Austin-specific conditions resulting in a credit of approximately 41% and is detailed in the CIP document.

The final maximum allowable fee for a single service unit was calculated to be $4,882 for water and $2,969 for wastewater.

II. ASSESSED FEES

The Impact Fee Act provides what is called fee assessment in order to set the timing for establishing fees for a given tract of land. It states that impact fees must be assessed on all property no later than the time of subdivision (with certain exceptions where development occurs without the need for subdivision). Accordingly, the assessed fees for a particular lot are those in effect at the time of subdivision recordation. After 1990 the impact fee update reports and ordinances included the assessed fee separate from the maximum allowable and collected fees. The assessed fee remained constant until the 2007 update. Since then, the assessed fee is deemed to be the maximum allowable amount, thereby keeping open the option of setting collected fees up to the maximum allowable fee in effect at the time a subdivision plat is recorded.

III. COLLECTED FEES

After the required public hearing and Austin City Council's adoption of the LUA and CIP periodic update, Council considers the adoption of the ordinance that sets the impact fees to be assessed and collected at the time of tap sale for water meter purchase and/or wastewater service. The collected fees are generally referred to as Austin's water and wastewater impact fees. Historically, the collected amounts have been set by ordinance at amounts lower than the maximum allowable fees. The collected fees are proposed to be $4,800 for water and $2,900 for wastewater.

IV. ADOPTED FEES

This section reserved for fees adopted by Austin City Council ordinance subsequent to the public hearing.

Austin WATER

CITY OF AUSTIN
FOUNDED 1839

WATER & WASTEWATER IMPACT FEE REPORT:

LAND USE ASSUMPTIONS

STATE OF TEXAS
TERESA L. LUTES
88925
LICENSED
PROFESSIONAL ENGINEER

6/14/2023

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I. INTRODUCTION

Texas Local Government Code, Chapter 395, enacted by the State Legislature in 1987 (Senate Bill 336) and amended in 2011, empowers cities to impose and collect impact fees and establishes the guidelines cities must follow to do so. The term "impact fee" includes capital recovery fees that the City of Austin charges for facility expansion of its water and wastewater systems. The City of Austin water and wastewater impact fees are further governed by the Austin City Code, Title 25 Land Development, Chapter 25-9 Water and Wastewater, Article 3 Water and Wastewater Capital Recovery Fees, Sections 25-9-311 through 25-9-353, other sections of the Land Development Code referred to by these sections, and ordinances approved amending these sections.

Among the several requirements imposed on cities by Chapter 395 is the development and approval of a report called" land use assumptions." Section 395.001 (5) of the Local Government Code defines the term succinctly: "'Land use assumptions' includes a description of the service area and projections of changes in land uses, densities, intensities, and population therein over at least a 10-year period." In a definitive article written by three people who helped develop Chapter 395, entitled "Impact Fees: The Intent Behind the New Law" (St. B. Tex. Envtl. L. J., vol. 19; 1989; pp. 68-73) by Ray Farabee, et al., the term is so described:

"Land use assumptions" are the basic projections of population growth and future land uses on which plans for new or expanded facilities must be based. The land use assumptions may be general and do not require detailed projections for specific parcels of land. They should, however, be thorough enough to permit reasonably accurate long-range planning. The time period on which these projections are based must be at least ten years.

This report has been prepared for the purpose of complying with the requirements of Chapter 395 of the Local Government Code with respect to "land use assumptions." It is an amendment to the City's impact fee land use assumptions approved by the City Council on February 13, 1997, and subsequently amended and updated, most recently in August 2018, and adopted by City Council on September 11, 2018. State law requires that the land use assumptions be updated at least every five years.

II. SERVICE AREA

The service area for the purposes of these land use assumptions, is the entire area within the corporate boundary of the City of Austin and its existing extraterritorial jurisdiction (ETJ) that is anticipated to be served within the next ten years by the existing city water and wastewater systems and the facilities listed in the revised Impact Fee Capital Improvements Plan. The boundary encompassing this area is illustrated by Map 1. For general reference the areas are:

- 2018 outer boundary = 538 sq. mi. (344,083 acres)
- 2023 outer boundary = 544 sq. mi. (348,400 acres)

Appendix A of this land use assumptions report provides the written description of the updated impact fee service area boundary for ordinance purposes. The written description, not the map, is the official service area description.

The Impact Fee service area is used to calculate projected service units and the impact fee. The service area for this 2023 update was increased to include property added to the ETJ since 2018, and where necessary, to include land adjacent to existing water or wastewater mains.

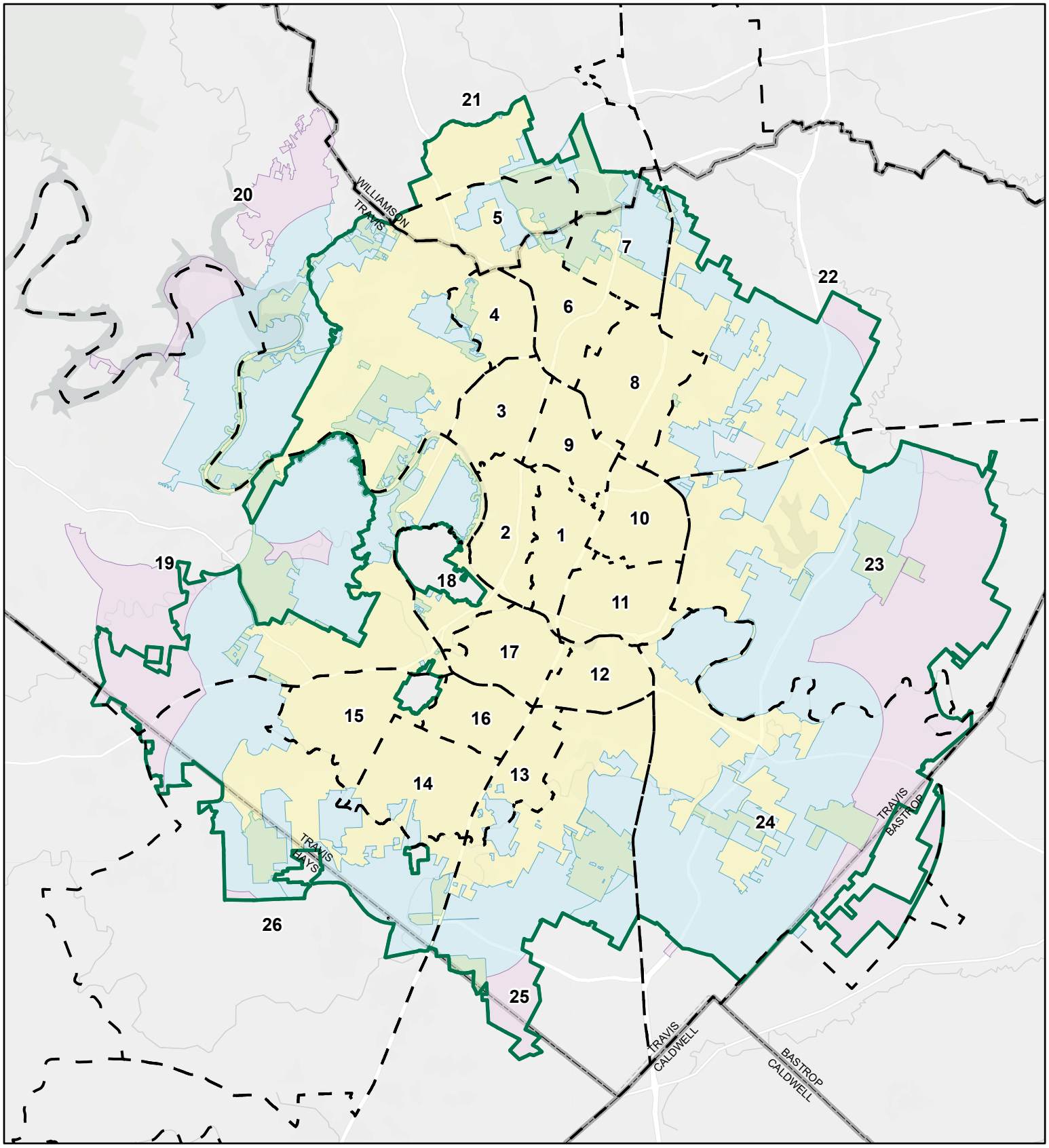
These land use assumptions anticipate that the impact fees to be calculated will be imposed uniformly over the entire service area and will be calculated in a manner consistent with that premise. This is explicitly provided for by 1989 amendments to Chapter 395 of the Local Government Code, which added Section 395.0455. This section reads in part:

System-Wide Land Use Assumptions

a) In lieu of adopting land use assumptions for each service area, a political subdivision may, except for storm water, drainage, flood control and roadway facilities, adopt system-wide land use assumptions, which cover all of the area subject to the jurisdiction of the political subdivision for the purpose of imposing impact fees under this chapter.

Another paragraph in this section further clarifies the requirements of state law:

c) After adoption of system-wide land use assumptions, a political subdivision is not required to adopt additional land use assumptions for a service area for water supply, treatment, and distribution facilities or wastewater collection and treatment facilities as a prerequisite to the adoption of a capital improvements plan or impact fee, provided the capital improvements plan and impact fee are consistent with the system-wide land use assumptions.



Impact Fee Service Area Boundary - Update 2023
Planning Areas 2023
Full-Purpose City Limit
Limited-Purpose City Limit
City of Austin 2 Mile ETJ
City of Austin 5 Mile ETJ
County Boundaries

N

0 2 4
Miles

This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries. This product has been produced by Austin Water for the sole purpose of geographic reference. No warranty is made by the City of Austin regarding specific accuracy or completeness.

City of Austin
Austin Water

December 2022

Map 1
2023 Impact Fee Service Area Boundary (with Planning Areas)

Produced by Systems Planning

LUA-3

III. GROWTH PROJECTIONS

For this 2023 impact fee update, estimated 2020 and 2030 population and employment data were based on the U.S. Census data, City Demographer estimates, Planning and Development Review Department data and Austin Water billing data. The period from 2020 to 2030 is used as the basis for determining the amount of growth in a 10-year planning horizon as required in the Impact Fee Act. The Geographic Information System (GIS)-based spatial analysis procedure for updating the growth projections was done in coordination with the City Demographer from the Housing and Planning Department. The basis of the geospatial growth projections used by Austin Water are the Delphi Trends Imagine Austin (DTI) polygons that each have estimates of 2010, 2015, 2020, 2025, and 2040 population and employment. DTI polygons are roughly analogous to Census Tracts. When aggregated the DTI polygons allow Austin Water to estimate population and employment growth to the selected impact fee service area and to the Planning Areas illustrated on Map 1.

Results for the Planning Areas illustrated on Map 1 are:

Table 1. Population Growth: Shows estimated 2020 and projected 2030 population aggregated to Planning Areas and to total service area. As noted above, these figures are consistent with current Austin Water population estimates for 2020 and 2030. These population figures correspond to estimates and projections of residents who actually receive City of Austin water and/or wastewater service. This table includes the calculated average annual growth rate and the gross population density. The gross densities are calculated by dividing the estimated or projected population by the total acres served in each Planning Area.

Table 2. Employment Growth: Shows estimated 2020 and projected 2030 employment aggregated to Planning Areas and to total service area. As noted above, these figures are consistent with current Austin Water employment estimates for 2020 and 2030. This table includes the calculated average annual growth rate and the gross employment density. The gross densities are calculated by dividing the estimated or projected employees by the total acres served in each Planning Area.

Table 1: Population Growth

Planning Area Summary	2020 Austin Water Population	2030 Austin Water Population	Population Annual Growth Rate	Acres for 2020 Served Area	2020 Residential Gross Density Pop/Ac	2030 Residential Gross Density Pop/Ac*	Change in Residential Gross Density
1	66,490	78,264	1.64%	5,121	12.98	15.28	17.71%
2	31,194	36,104	1.47%	5,326	5.86	6.78	15.74%
3	29,407	32,909	1.13%	5,197	5.66	6.33	11.91%
4	23,329	26,225	1.18%	3,990	5.85	6.57	12.41%
5	42,565	52,981	2.21%	5,259	8.09	10.07	24.47%
6	44,186	55,513	2.31%	6,450	6.85	8.61	25.63%
7	37,622	43,138	1.38%	4,990	7.54	8.64	14.66%
8	79,058	88,581	1.14%	8,115	9.74	10.92	12.05%
9	36,378	44,800	2.10%	4,698	7.74	9.54	23.15%
10	48,418	55,888	1.45%	5,576	8.68	10.02	15.43%
11	44,464	51,522	1.48%	6,233	7.13	8.27	15.87%
12	50,921	57,873	1.29%	4,303	11.83	13.45	13.65%
13	36,644	41,596	1.28%	4,137	8.86	10.05	13.51%
14	57,082	65,238	1.34%	7,414	7.70	8.80	14.29%
15	42,277	45,583	0.76%	7,051	6.00	6.46	7.82%
16	33,569	38,908	1.49%	4,242	7.91	9.17	15.90%
17	55,395	65,334	1.66%	5,442	10.18	12.01	17.94%
18	14,983	15,856	0.57%	5,455	2.75	2.91	5.83%
19	38,897	44,761	1.41%	11,418	3.41	3.92	15.07%
20	40,832	45,061	0.99%	8,602	4.75	5.24	10.36%
21	33,882	44,057	2.66%	4,380	7.73	10.06	30.03%
22	70,546	93,759	2.89%	12,436	5.67	7.54	32.90%
23	24,261	36,175	4.08%	7,707	3.15	4.69	49.11%
24	21,528	29,096	3.06%	15,421	1.40	1.89	35.16%
25	34,576	64,719	6.47%	12,206	2.83	5.30	87.18%
26	42,587	53,799	2.36%	9,401	4.53	5.72	26.33%
Total	**1,081,091**	**1,307,738**	**1.92%**	**180,569**	**5.99**	**7.24**	**20.96%**

* Based on 2020 served area acreage

Table 2: Employment Growth

Planning Area Summary	2020 Austin Water Employment	2030 Austin Water Employment	Employment Annual Growth Rate	Acres for 2020 Served Area	2020 Employment Gross Density Emp/Ac	2030 Employment Gross Density Emp/Ac*	Change in Employment Gross Density
1	111,975	126,993	1.27%	5,121	21.87	24.80	13.41%
2	29,247	33,298	1.31%	5,326	5.49	6.25	13.85%
3	26,633	30,020	1.20%	5,197	5.12	5.78	12.72%
4	18,777	20,087	0.68%	3,990	4.71	5.03	6.98%
5	20,942	26,511	2.39%	5,259	3.98	5.04	26.59%
6	72,900	86,858	1.77%	6,450	11.30	13.47	19.15%
7	15,636	18,465	1.68%	4,990	3.13	3.70	18.09%
8	34,740	40,393	1.52%	8,115	4.28	4.98	16.27%
9	38,325	47,206	2.11%	4,698	8.16	10.05	23.17%
10	21,466	25,148	1.60%	5,576	3.85	4.51	17.15%
11	23,762	27,707	1.55%	6,233	3.81	4.45	16.60%
12	17,246	21,297	2.13%	4,303	4.01	4.95	23.49%
13	11,111	12,623	1.28%	4,137	2.69	3.05	13.61%
14	14,322	16,918	1.68%	7,414	1.93	2.28	18.13%
15	13,165	15,233	1.47%	7,051	1.87	2.16	15.70%
16	18,008	22,801	2.39%	4,242	4.25	5.38	26.62%
17	45,996	56,058	2.00%	5,442	8.45	10.30	21.88%
18	26,502	30,176	1.31%	5,455	4.86	5.53	13.86%
19	33,470	38,163	1.32%	11,418	2.93	3.34	14.02%
20	12,394	13,391	0.78%	8,602	1.44	1.56	8.04%
21	7,827	9,022	1.43%	4,380	1.79	2.06	15.26%
22	43,946	52,147	1.73%	12,436	3.53	4.19	18.66%
23	8,484	10,923	2.56%	7,707	1.10	1.42	28.74%
24	10,249	13,073	2.46%	15,421	0.66	0.85	27.56%
25	20,886	25,988	2.21%	12,206	1.71	2.13	24.43%
26	6,069	7,786	2.52%	9,401	0.65	0.83	28.29%
Total	**704,077**	**828,283**	**1.64%**	**180,569**	**3.90**	**4.59**	**17.64%**

* Based on 2020 served area acreage

IV. SERVICE UNITS

Centralized Water and Wastewater Service Unit Assumptions

Calculation of the impact fee in accordance with Chapter 395 of the Local Government Code requires the use of a service unit. Within the definitions section of Chapter 395.001(10), "'Service unit' means a standardized measure of consumption, use, generation, or discharge attributable to an individual unit of development calculated in accordance with generally accepted engineering or planning standards and based on historical data and trends applicable to the political subdivision in which the individual unit of development is located during the previous 10 years."

More simply, the number of projected new service units are divided into the costs of capital projects allocated to this new growth. The journal article by Ray Farabee, et.al, states that the "'Service unit' is one of the most important, but conceptually difficult, elements of the (new) law." This article also observes that "Cities may select their own standards for measuring service units, but any measure chosen must attempt to accurately reflect differences in service consumption between users." Austin's capital recovery fee ordinances have for years used the "fee unit" for this purpose, and it remains the most appropriate choice for the service unit under the terms of Chapter 395. The service unit is based on the size of water meter sold, exactly as fee units are calculated. Table 3 illustrates the relationship between service units and meter sizes. The service unit calculation depends on the relative differences between the various sizes and types of meters as determined by their rated maximum flows and rated continuous flows.

Table 3: Calculation of Service Units

The size and type of water meter purchased determines number of service units in accordance with the following schedule:

Meter Size	Type	Service Units
5/8"	Positive Displacement	1
3/4"	Positive Displacement	1.5
1"	Positive Displacement	2.5
1.5"	Positive Displacement	5
1.5"	Turbine, Class II	9
2"	Positive Displacement	8
2"	Compound	8
2"	Turbine, Class II	16
3"	Single-jet	16
3"	Compound	17.5
3"	Turbine, Class II	35
4"	Single-jet	25
4"	Compound	30
4"	Turbine, Class II	65
6"	Compound	67.5
6"	Turbine, Class II	140
8"	Compound	90
8"	Turbine, Class II	240
10"	Turbine, Class II	350
12"	Turbine, Class II	440

The service unit is based on the American Water Works Association (AWWA) standards C700-15, C701-15, C702-15 and C712-15 and recommended maximum rate for continuous duty (flow) of the meter purchased at sale of tap. The service unit, as described here, has been in Austin's capital recovery fee ordinances for years; it is well accepted, and it is extraordinarily easy to calculate at time of collection. In addition, it is based on Uniform Plumbing Code meter size and type criteria counting plumbing fixtures that directly reflect the differences in service consumption between different users. The latest count of all meters by size in the system on April 2020 are shown in Table 4. From this meter inventory, the number of hypothetical service units installed in the system is calculated at 419,975.

Table 4: Estimate of Service Units in the Austin Water Distribution System

Meter Size	April 2020 Meter Count	Weighted Service Unit Multiplier	April 2020 Service Units
5/8"	204,942	1	204,942
3/4"	16,887	1.5	25,331
1"	9,874	2.5	24,685
1.5"	4,498	6.5	29,262
2"	4,466	10.9	48,496
3"	1,689	18.4	31,112
4"	746	32.7	24,370
6"	226	75.5	17,068
8"	27	201	5,430
10"	24	350	8,400
12"	2	440	880
Total	**243,381**	**1.7**	**419,975**

Existing Water System Service Units

To determine the flow equivalent of a water system service unit, the system pumpage is divided by the total number of service units. The actual water system pumpage for FY20 (October 2019-September 2020) was 51,277 million gallons. The total number of service units for April 2020 is used because April falls halfway through the fiscal year. Therefore, the current system-wide flow average is 334 gallons per day per service unit.

$$\frac{Total\ Water\ System\ Pumpage}{\begin{matrix}Total\ Number\ of\ Water\\ System\ Service\ Units\end{matrix}} = Water\ Flow\ per\ Day\ per\ Service\ Unit$$

$$\frac{51{,}277\ Million\ Gallons\ per\ Year}{419{,}975\ Service\ Units} = 334\ Gallons\ per\ Day\ per\ Service\ Unit$$

Existing Wastewater System Service Units

The wastewater collection system does not have individual meters for the majority of customers. In most cases wastewater is billed based on water meter data. Therefore, wastewater collection system service units are estimated based on the water distribution system service units and the known differences between water and wastewater customers. It is assumed that there is a direct relationship between the number of water and wastewater customers (population and employees) and the number of service units. The number of wastewater service units is estimated to be 95.6% of the water distribution system service units or 401,400 service units based on the number of wastewater and water customers sewed.

The wastewater collection system service unit flow equivalent is calculated using the total system influent treated at the wastewater treatment plants. The FY20 total wastewater collection system influent is estimated to be 36,670 million gallons. However, because wastewater collection system influent is partially driven by annual rainfall, and FY20 rainfall was well below the historical averages, an adjustment was made to represent “average weather” conditions using a 6-year average of wastewater influent gallons per capita per day (GPCD) multiplied by the estimated served population in 2020. This “weather-averaged” approach produced an FY20 influent estimate of 39,990 million gallons. Therefore, the flow equivalent per wastewater service unit is estimated to be 272 gallons per day per service unit.

$$\frac{\begin{matrix}Total\\ Wastewater\ System\ Influent\end{matrix}}{\begin{matrix}Total\ Number\ of\ Wastewater\\ System\ Service\ Units\end{matrix}} = Wastewater\ Flow\ per\ Day\ per\ Service\ Unit$$

$$\frac{39{,}990\ Million\ Gallons\ per\ Year}{401{,}400\ Service\ Units} = 272\ Gallons\ per\ Day\ per\ Service\ Unit$$

Future Water and Wastewater Service Units

Calculating the projection of new service units presents a challenge in that it depends on the size, type and number of meters sold, while projection estimates of future service units are based on relationships between population, employment, total flow, and per capita flow projections.

Future service unit forecasts are derived from projections of population and employment combined with planned water pumpage forecasts. The water pumpage forecasts for 2030 are calculated with the Disaggregated Demand Model (DDM), Austin Water's Integrated Water Resource Plan (Water Forward) demand forecasting model. The DDM incorporates projected additional passive water conservation and estimates a slight reduction in the per capita pumpage over the planning horizon, despite population and employment increases. Projected additional passive water conservation results in a reduced number of gallons per service unit in the future. Gallons per capita per day (GPCD) is calculated by dividing the total system pumpage by the total population. The 2020 GPCD was 130, while the 2030 forecasted population and total system pumpage from the DDM equates to 124 GPCD. The 2030 water flow per service unit is expected to be reduced proportionally with the per capita flow to 320 gallons per day.

$$\frac{130\ gallons\ per\ capita\ day\ (2020)}{124\ gallons\ per\ capita\ day\ (2030)} = \frac{334\ gallons\ per\ day\ per\ service\ unit\ (2020)}{320\ gallons\ per\ day\ per\ service\ unit\ (2030)}$$

The 2030 total water system pumpage, based on the DDM forecast is 59,333 million gallons. Dividing the total annual pumpage by 320 gallons per day per service unit gives a 2030 estimate of 508,021 service units.

Future wastewater service units were estimated based on water service unit estimates and the population and employment estimates for water and wastewater customers. Wastewater treatment flow per capita has not declined recently. It appears that most water conservation-related demand reductions are for outdoor water use, and wastewater inflow and infiltration seem to largely offset indoor water conservation measures. For these reasons, the wastewater flow per service unit estimate of 272 gallons per day is assumed to remain constant from 2020 to 2030. Wastewater service units for year 2030 were projected by estimating the water served population and employment per service unit for year 2030 (3.952 water population per service unit and 4.677 water employment per service unit). These ratios were then multiplied by projected served wastewater population and employment for 2030, resulting in 488,521 wastewater service units in 2030. Multiplying this estimate by the previously estimated 272 gallons of wastewater influent per service unit yields a total wastewater influent estimate of 48,500 million gallons per year in 2030.

The spatial summary of the results is presented in Table 5. The population and employment projections of Section III Tables 1 and 2 were converted to average daily water pumpage and then to forecasts of new service units for the entire service area.

Table 5: Projections of Water Service Units

Planning Area Summary	2020 Residential MGD	2020 Non-Residential MGD	2020 Total MGD	2020 Service Units	2030 Residential MGD	2030 Non-Residential MGD	2030 Total MGD	2030 Service Units
1	5.5	7.9	13.5	40,403	6.3	8.7	15.0	46,957
2	2.6	2.1	4.7	14,012	2.9	2.3	5.2	16,255
3	2.5	1.9	4.3	13,010	2.7	2.1	4.7	14,746
4	1.9	1.3	3.3	9,822	2.1	1.4	3.5	10,931
5	3.6	1.5	5.0	15,094	4.3	1.8	6.1	19,075
6	3.7	5.2	8.8	26,529	4.5	5.9	10.4	32,618
7	3.1	1.1	4.2	12,731	3.5	1.3	4.8	14,864
8	6.6	2.5	9.1	27,152	7.2	2.8	9.9	31,052
9	3.0	2.7	5.7	17,236	3.6	3.2	6.9	21,430
10	4.0	1.5	5.6	16,669	4.5	1.7	6.2	19,520
11	3.7	1.7	5.4	16,168	4.2	1.9	6.1	18,962
12	4.2	1.2	5.5	16,400	4.7	1.5	6.1	19,199
13	3.1	0.8	3.8	11,526	3.4	0.9	4.2	13,225
14	4.8	1.0	5.8	17,320	5.3	1.2	6.4	20,126
15	3.5	0.9	4.5	13,371	3.7	1.0	4.7	14,792
16	2.8	1.3	4.1	12,221	3.2	1.6	4.7	14,721
17	4.6	3.3	7.9	23,622	5.3	3.8	9.1	28,519
18	1.3	1.9	3.1	9,374	1.3	2.1	3.3	10,464
19	3.2	2.4	5.6	16,836	3.6	2.6	6.2	19,486
20	3.4	0.9	4.3	12,846	3.6	0.9	4.6	14,266
21	2.8	0.6	3.4	10,138	3.6	0.6	4.2	13,078
22	5.9	3.1	9.0	26,977	7.6	3.6	11.2	34,875
23	2.0	0.6	2.6	7,870	2.9	0.7	3.7	11,490
24	1.8	0.7	2.5	7,561	2.4	0.9	3.3	10,158
25	2.9	1.5	4.4	13,083	5.2	1.8	7.0	21,934
26	3.6	0.4	4.0	11,942	4.4	0.5	4.9	15,279
Total	**90.2**	**49.9**	**140.1**	**419,912**	**105.9**	**56.7**	**162.6**	**508,021**

APPENDIX A

IMPACT FEE LAND USE ASSUMPTIONS

Description of Impact Fee Boundary for 5-Year Update

Adopted TBD

(Ord-)

All jurisdiction boundaries such as county lines, utility companies, municipalities, etc., used in this description are those boundaries as they exist on the date this boundary is adopted and are to be recognized as the most accurate location of the impact fee boundary if another landmark or distance reference creates an ambiguity.

All street and landmark names reflect one of the names shown in commonly available maps of the Austin area. The City of Austin GIS was used for street names in this description. Distances have been scaled from Austin GIS and are intended to approximately place the boundary when landmarks are not available or may be ambiguous. The referenced landmark is to be taken as the accurate location.

When a road, street, etc. is referenced, the boundary is assumed to follow the centerline, and only one side of the road, street, etc. is within the impact fee service area boundary.

Boundaries of any city's jurisdiction (ETJ or city limits), counties, and the service area of another utility, can be found by referring to maps available from those individual entities. The accuracy of those maps is not warranted by the City of Austin or the Austin Water Utility. Taxing authority records also indicate inclusion in the individual entities.

The impact fee service area described below shall not include the certificated service area of another utility providing water and/or wastewater service to its customers under a certificate of convenience and necessity from the Texas Commission on Environmental Quality or its predecessor and successor agency and with whom the City has no wholesale contract to provide water and/or sewer service providing for the payment of impact fees.

The impact fee service area described below shall not include land within the jurisdiction of cities other than Austin; provided, that within the jurisdiction of cities other than Austin, land is included within the impact fee service area where it is included in the service area of those utilities with whom the City has wholesale contracts to provide water and/or sewer service providing for the payment of impact fees or where that other city has executed an agreement with Austin for the City to supply retail water and/or wastewater service providing for the payment of impact fees.

Where the impact fee service area is described by the Austin jurisdiction passing through a tract, the entire tract which is partially in the Austin jurisdiction and not in the jurisdiction of another city will be considered to be in the service area.

In addition to land within the impact fee service area described below, the impact fee service area includes land in the service areas of those utilities with whom the City has wholesale contracts to provide water and/or wastewater service providing for the payment of impact fees, to the extent such land has been approved by the City to receive water and/or wastewater service from the City.

Any tract of land which is not entirely within the impact fee service area, as described below or according to the conditions described above, is not considered to be in the impact fee service area.

Accordingly, the City of Austin Impact Fee Service Area Boundary is described as follows:

1. Beginning at the common city limits of Buda, Hays County, and Austin the boundary proceeds in a general east and south direction along the jurisdiction boundary of Hays County for 1.8 miles to the common jurisdiction boundary of Austin and Niederwald.
2. Then proceeding in a general east direction along the common jurisdiction boundary of Austin and Niederwald for 1.1 miles.
3. Then proceeding in a general east direction along the City of Austin 5-mile ETJ for 191 feet to the common jurisdiction boundary of Austin and the Village of Creedmoor.
4. Then proceeding north and east along the common jurisdiction boundary of Austin and the Village of Creedmoor for 10.2 miles to the common jurisdiction boundary of Austin and the Village of Mustang Ridge.
5. Then proceeding in a general east direction along the jurisdiction boundary of Austin and the Village of Mustang Ridge for 5.7 miles to the Bastrop County line.
6. Then proceeding in a general northeast direction along the Bastrop County line for 2.3 miles until it intersects with FM 812 at the boundary of the Austin Water CCN.
7. Then proceeding generally north and east along the boundary of the Austin Water CCN for 1.1 miles until it intersects with the Austin 5-mile ETJ.
8. Then proceeding in a general northeast direction along the Austin 5-mile ETJ boundary line for 31.8 miles to the common jurisdiction boundary of Austin and the Village of Webberville.
9. Then proceeding along the common jurisdiction boundary of Austin and Webberville for 9.2 miles.
10. Then proceeding in a general north direction along the Austin 5-mile ETJ for 4.3 miles to the common jurisdiction boundary of Austin and Manor.
11. Then proceeding in a general west and north direction along the common jurisdiction boundary of Austin and Manor for 15.1 miles to the common jurisdiction boundary of Austin and Pflugerville.
12. Then proceeding in a general west direction along the common jurisdiction boundary of Austin and Pflugerville for 15.1 miles to the common jurisdiction boundary of Austin and Round Rock.
13. Then proceeding in a general north and west direction along the common jurisdiction boundary of Austin and Round Rock for 11.3 miles to the common jurisdiction boundary of Austin and Cedar Park.
14. Then proceeding in a general south and west direction along the common jurisdiction boundary of Austin and Cedar Park for 10.9 miles until it intersects with FM 2769.
15. Then proceeding in a general west direction along FM 2769 for 1.0 miles until it intersects with Bullick Hollow Road.
16. Then proceeding in a general south direction along Bullick Hollow Road for 1.0 miles until it intersects the eastern boundary of Travis County WCID #17.
17. Then proceeding in a general south direction along the eastern boundary of Travis County WCID #17 for 8.3 miles until reaching the Colorado River.
18. Then proceeding south across the river for 0.1 miles to the northern tip of the Balfour Track.
19. Then proceeding in a counter-clockwise direction around the boundary of Balfour for 4.4 miles.
20. Then proceeding along the Austin Full Purpose City Limit for 9.6 miles until reaching the boundary of Travis County WCID #10.

21. Then proceeding in a general south direction along the western boundary of Travis County WCID #10 for 4.2 miles.
22. Then proceeding along the Austin Full Purpose City Limit for 8.0 miles until it intersects with Amarra Drive.
23. Then proceeding along the Austin Limited Purpose City Limit for 0.4 miles to the southeast corner of the Barton Creek Habitat Preserve.
24. Then proceeding along the southern border of the Barton Creek Habitat Preserve for 1.6 miles to the edge of the West Travis County Public Utility Agency.
25. Then proceeding along the West Travis County Public Utility Agency boundary for 13.9 miles to the boundary of the Shield-Ayres City of Austin Conservation Easement.
26. Then proceeding in a general west direction along the Shield-Ayres City of Austin Conservation Easement boundary for 3.5 miles until it intersects with the Austin 5-mile ETJ.
27. Then proceeding in a general south direction along the Austin 5-mile ETJ for 2.3 miles to the common jurisdiction boundary of Austin and Dripping Springs.
28. Then proceeding in a general south and east direction along the common jurisdiction boundary of Austin and Dripping Springs for 8.3 miles to the common jurisdiction boundary of Austin and the Village of Bear Creek.
29. Then proceeding along the common jurisdiction boundary of Austin and the Village of Bear Creek for 3.7 miles to the common jurisdiction boundary of Austin and Dripping Springs.
30. Then proceeding in a general south and east direction along the common jurisdiction boundary of Austin and Dripping Springs for 5.9 miles to the common jurisdiction boundary of Austin and the City of Hays.
31. Then proceeding along the common jurisdiction boundary of Austin and the City of Hays for 9.7 miles to the common jurisdiction boundary of Austin and Buda.
32. Then proceeding along the jurisdiction boundary of Austin and Buda for 9.9 miles ending at the common city limits of Buda, Hays County, and Austin which marks both the end and beginning points of the Impact Fee Service Area Boundary.

Austin WATER

CITY OF AUSTIN
FOUNDED 1839

WATER & WASTEWATER IMPACT FEE REPORT:

CAPITAL IMPROVEMENTS PLAN

STATE OF TEXAS
TERESA L. LUTES
88925
LICENSED
PROFESSIONAL ENGINEER

6/14/2023

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CAPITAL IMPROVEMENTS PLAN

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I. INTRODUCTION

The Texas Impact Fee Act (Chapter 395 of the Texas Local Government Code) provides methods and procedures that cities like Austin must follow to continue to impose water and wastewater impact fees. This Act requires determination of the costs of capital improvements attributable to new growth for a specified period of time. These costs are the principal building blocks on which the calculation of impact fees is based. The plan that identifies the capital improvements or facility expansions for which impact fees may be assessed is termed the Capital Improvements Plan (CIP). The City of Austin achieved compliance with the Texas Impact Fee Act by approving land use assumptions on April 5, 1990 and then approving the Impact Fee CIP and amendments to the ordinance on June 7, 1990. In subsequent years, the City has maintained compliance with periodic updates. From 1990 to 2001, the Texas Impact Fee Act stipulated that the land use assumptions and Impact Fee CIP be updated at least every three years. Beginning September 1, 2001, the Texas Impact Fee Act stipulates that these updates are to be done at least every five years. The five-year period begins on the day the Impact Fee CIP is adopted. This document represents the update to the CIP. Both it and the land use assumptions can be adopted at the same time

The law outlines a methodology for calculating the cost of particular facilities attributable to new growth as compared to the demand for that capacity represented by land use assumptions based on a defined planning period (not to exceed 10 years). One of the keys to the methodology is the expression of both demand and capacity for a particular project in terms of service units. By knowing the number of service units associated with Impact Fee projects that are expected to be used during the planning period, the capacity and cost attributable to new growth can readily be determined. Using this cost and the projected total number of new service units within the utility service boundary during the planning period, the maximum fee per service unit may be calculated as prescribed by the law. The methodology of the Capital Improvements Plan provides the framework for calculating the maximum allowable impact fee, which is the upper limit on the fee pursuant to the law.

The methodologies employed in this Impact Fee CIP comply with the provisions of the Texas Impact Fee Act and include a thorough review of qualified CIP projects. It continues to exclude projects that are predominantly attributable to existing users, or that may not be constructed and in service within the ten-year planning period. And in cases where other participants contributed funds, only the City of Austin's shares of the costs were included.

The Impact Fee CIP includes a plan for awarding a credit for the portion of water and wastewater utility service revenues generated by new service units during the program period that is used for the payment of improvements, including the payment of debt. Beginning September 1, 2001, Impact Fee CIP updates prior to the 2013 Update incorporated an alternative credit method that was equal to 50 percent of the total projected cost of implementing the CIP. Beginning with the City’s 2013 update, a rate revenue credit method was used. Additional discussion of the rate revenue credit method applied in this 2023 Impact Fee update can be found in Section VII.

II. FACILITY PLANNING – DEFINING THE LEVEL OF CAPACITY USAGE AND RESERVE CAPACITY NEEDS

Section 395.014 of the Impact Fee Act as codified in the Texas Local Government Code speaks to a capital improvements plan that includes:

1. a description of the existing capital improvements within the service area and the costs to upgrade, update, improve, expand, or replace the improvements to meet existing needs and usage and stricter safety, efficiency, or environmental or regulatory standards.

2. an analysis of the total capacity, the level of current usage, and commitments for use of capacity of the existing capital improvements.

Using the methodology described later in this document, major facilities targeted to benefit new growth were identified and the portions of capacity serving existing and future users estimated. To provide an overall comparison of the capacity and costs associated with new growth projects versus those associated with existing needs, the recent CIP projects of Austin Water have been divided into three groups. Appendices C and D include projects from the FY 2018/2022 CIP built in prior years or scheduled to be built in the next few years that are targeted to benefit existing users and to meet stricter safety, efficiency, environmental or regulatory standards. Tables 1 (CIP-4) and 2 (CIP-14) list those water and wastewater impact fees projects that have been built or plan to be built in the future and that will largely benefit new Utility customers during the next ten years. Table 3 (CIP-24) is composed of projects that are anticipated to be built late in the ten-year planning period or beyond, and thus are not included in the group of projects on which impact fee calculations are based. Projects removed from the project listing adopted in the 2013 Impact Fee CIP are shown on Table 4 (CIP-25). Major utility facilities are shown on Water Map 1A, 1B, and 1C, following Table 1 and Wastewater Map 2A, 2B, and 2C following Table 2. These maps also illustrate the location of the Impact Fees CIP projects.

A comparison of the dollar value of projects in the Appendices and Tables 1, 2, and 3 gives an indication of the relative investment in capacity to serve existing and future needs as a function of the CIPs of the 1980s. Some of the projects in Appendices C and D will certainly benefit future users; however, to ensure full compliance with the law, they will not be considered Impact Fee projects when they are made necessary by environmental and regulatory requirements. Other projects in Appendices C and D will also benefit future users as well as existing users (annexation areas, highway utility relocations, and certain trunk lines internal to the system) but when the benefit to existing users outweighs the benefit to future users, the projects are not included as Impact Fee projects in Tables 1 and 2.

Analysis of existing usage of capacity in the case of water and wastewater treatment plants is a straightforward examination of flow data. Flow data for pipes in the water distribution system and wastewater collection system is generally not available, so hydraulic analysis was used to help estimate utilization levels of pipes under selected demand conditions (existing or future). The summary tables at the end of this document, Tables 8 and 9 include an estimate of existing users and total capacity of Impact Fee projects expressed in service units for water pressure zones and wastewater collection areas. Inspection of these figures gives an indication of the level of existing capacity usage and the reserve capacity associated with the facilities.

In sizing and timing new facilities, both population projections that are part of Land Use Assumptions and trending from historical flow data regression are used in predicting demands (flows) associated with future growth. Model simulations yield the necessary pipe capacity to meet pressure and flow performance objectives.

CIP Planning at AW considers a number of factors to identify the best infrastructure timing and sizing investment alternatives, including:

- alternatives analysis
- capital costs
- operation and maintenance costs
- time value of money
- economy of scale
- environmental and other key non-pecuniary impacts

AW's CIP, especially the group of Impact Fees projects, is the set of facilities that will satisfy needs for additional capacity in the next ten years as indicated by the Land Use Assumptions.

AW seeks to maintain a healthy, cost-effective amount of reserve capacity in the water and wastewater system in order to carry out its mission of providing safe, reliable service. In this way, the commitments that the City makes to its customers in the form of tap sales, service extension requests, developer reimbursement contracts, and Municipal Utility District and other district contracts, can be fulfilled in a manner that allows all parties in the development process to plan efficiently. The Impact Fee calculation methodology prescribed by State statute quantifies the reserve capacity that constitutes AW's plan for serving new customers for a ten-year planning horizon.

This Impact Fee update is consistent with a number of core principles of the City's Imagine Austin comprehensive plan including:

- Growth as a compact and connected city
- Develop as an affordable and healthy community
- Sustainably manage water and other environmental resources

Imagine Austin's planning framework and guidelines are part of AW's planning processes and are integrated into the development of the CIP.

Table 1 Water Impact Fee Projects

(Costs in 1000s)

SubProjectID	Project Description	Size	Pressure Zone	Completion Date	Cost to Build	Interest Cost
City Construction						
1168.003	Ullrich to Green Transmission Main (Pipeline)	72"	Central	2000	$5,598	$4,746
1168.004	Ullrich to Green Transmission Main (Lake Austin Tunnel)	72"	Central	2000	$26,138	$27,651
2097.001	Elroy Transmission Main	36"	Central	2014	$5,012	$5,332
2231.155	Elroy Road Water Rehabilitation Phase 2	16"	Central	2016	$1,661	$1,768
2231.157	Elroy Rd Water Rehabilitation Ph 3 - FM 812 Maha Loop Water Rehab	16"	Central	2017	$2,590	$2,756
2231.214	Boggy Creek at US 183 Water Line Replacement	24"	Central	2016	$2,386	$2,539
2937.001	Springdale Rd 48" Transmission Main	48"	Central	1998	$6,118	$6,510
3617.001	Bluff Springs (Pilot Knob) Transmission Main	48"	Central	1992	$7,466	$7,944
3871.001	E Ben White Blvd Transmission Main	24"	Central	1993	$3,506	$3,731
3898.001	Pilot Knob Transmission Main Sector III	48"	Central	1992	$1,805	$1,921
3901.001	Burleson Rd Transmission Main	48"	Central	1992	$478	$508
4800.028	West Campus System Improvements	12"	Central	2013	$1,839	$1,957
4800.033	West Campus Water & WW Improvements Area 5	12"	Central	2012	$4,704	$5,005
6935.061	Piland Triangle Interconnect	24"	Central	2023	$1,837	$0
2127.012	North Austin Reservoir and Pump Station Improvements	8 MG, 50 MGD	Central/North	2024	$46,319	$30,076
8702.003	Shaw Lane Sludge Facility Improvements	616,000 CY	Entire System	2026	$5,671	$6,034
844.001	East Austin - Parmer Lane TM	48/54"	North	1997	$6,657	$7,083
2090.003	Decker Lake 24-inch Woodlands Transmission Main (SER 1745)	24"	North	1996	$1,148	$1,221
2090.005	Johnny Morris Rd 16" Water Main	16"	North	1999	$462	$491
4814.001	Northeast Area Water Improvements	48"	North	1999	$1,718	$1,828
6935.003	Boyce Lane Water Main	24"	North	2018	$7,570	$8,054
6935.021	Austin Film Society	16"	North	2012	$1,017	$1,082
6935.022	Springdale/290 Water Line Improvements	16"	North	2024	$6,743	$7,174

SubProjectID	Project Description	Size	Pressure Zone	Completion Date	Cost to Build	Interest Cost
City Construction						
6935.033	Johnny Morris/Hwy 290 Area Water Line Extensions	24"	North	2025	$2,067	$0
6935.035	Howard Lane Water Main Extension	16"	North	2021	$1,765	$1,878
6935.039	Cameron Rd: Gregg Lane to School	12"/16"	North	2024	$2,144	$2,282
4758.002	16" FM 1825 Interconnect	16"	Northwest A	2005	$855	$0
4814.002	Howard Lane East Transmission Main - Segment 2	36"	Northwest A	2000	$4,765	$5,070
6935.037	Highland Park Water and Wastewater Improvements	16"	Northwest A	2025	$11,261	$11,981
4814.003	Howard Lane Pump Station and TM	24/36/42/54", 43/65 MGD	Northwest A/B/C	2001	$15,193	$16,165
4814.004	Howard Lane Water Transmission Main	24/36/42/54"	Northwest A/B/C	2001	$1,922	$0
2028.001	Martin Hill Transmission Main	54"	Northwest A/B/C + North	2017	$25,091	$26,697
6935.016	Jollyville Northwest A Transmission Main (Plant 4)	84"	Northwest A/B/C + North	2015	$118,331	$125,904
6935.031	McNeil Road Transmission Main	72"	Northwest A/B/C + North	2027	$29,489	$0
793.001	Anderson Mill Transmission Main III	16"	Northwest B	2000	$4,736	$5,039
793.002	Anderson Mill Transmission Main Ph IIA & IV	24"	Northwest B	2000	$2,085	$2,218
1086.001	Jollyville Transmission Main Ph IIA & III	48"	Northwest B	2001	$8,138	$8,658
1086.002	Jollyville Transmission Main Ph IIB	48"	Northwest B	2001	$1,135	$1,207
2006.003	Four Points and Forest Ridge Pump Station Upgrades	NWB: 5.8 MGD, NWC: 10.4 MGD	Northwest C	2007	$942	$838
5038.001	Anderson Mill Northwest C Pump Station and Tank	11.2 MGD, 1.5 MG	Northwest C	2017	$11,725	$10,950
5038.002	Anderson Mill/RR 620 Transmission Main	24/36"	Northwest C	2016	$4,762	$5,067
6683.002	Water Treatment Plant No. 4	50 MGD	Plant 4 Service	2017	$100,579	$104,831
6683.007	Water Treatment Plant No. 4 - Property Fencing	50 MGD	Plant 4 Service	2009	$368	$391
6683.009	Water Treatment Plant #4-Environmental Commissioning	50 MGD	Plant 4 Service	2017	$2,839	$3,019
6683.01	WTP 4-Plant Site Storm Water Facilities	50 MGD	Plant 4 Service	2011	$3,327	$3,540

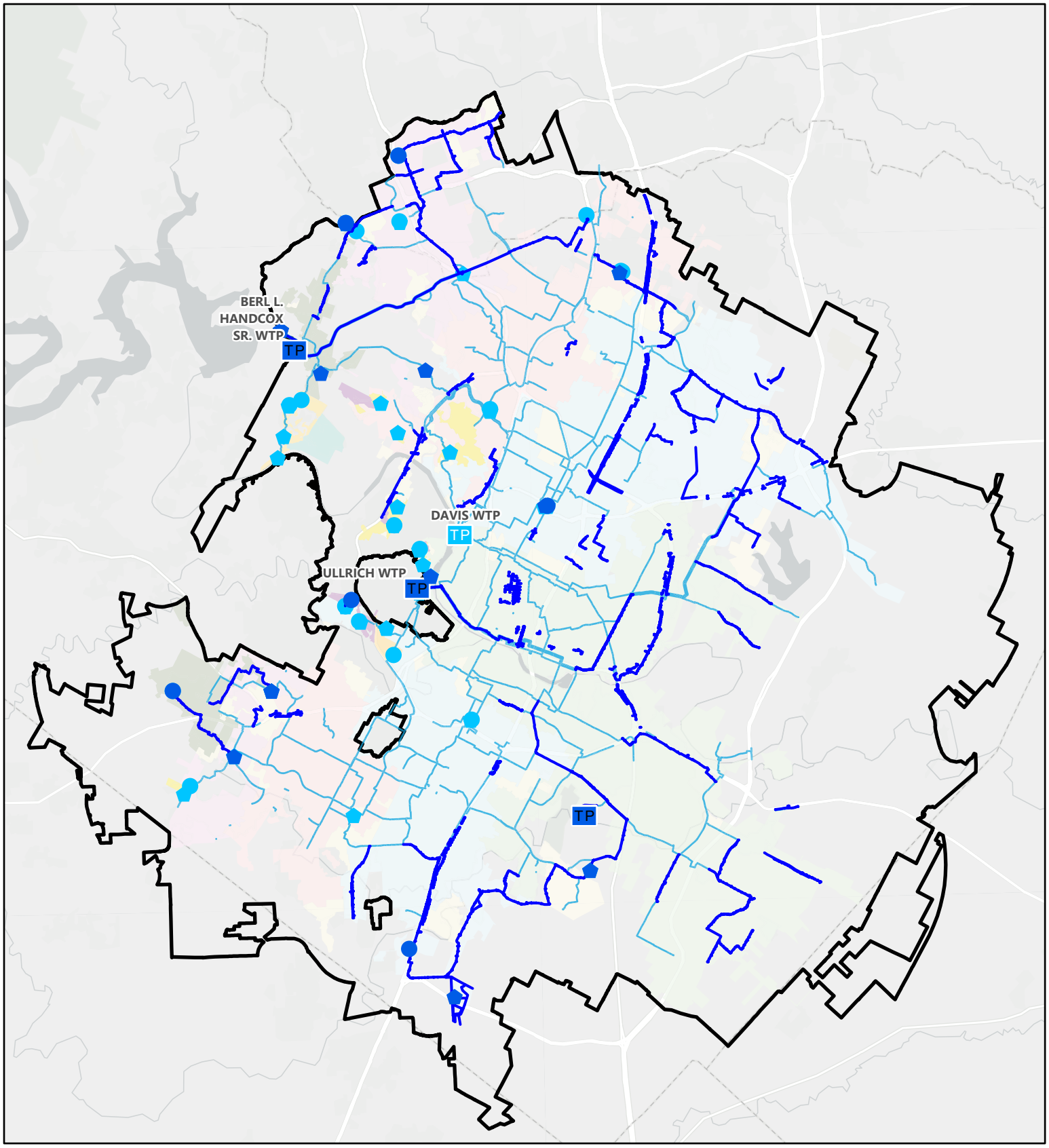
SubProjectID	Project Description	Size	Pressure Zone	Completion Date	Cost to Build	Interest Cost
City Construction						
6683.013	WTP4 Raw Water Pump Station Excavation and Stormwater Facilities	50 MGD	Plant 4 Service	2012	$3,435	$3,654
6683.014	Water Treatment Plant No. 4 Raw Water Pump Station Facility	50 MGD	Plant 4 Service	2014	$7,392	$7,866
6683.018	Value Engineering	50 MGD	Plant 4 Service	2011	$574	$610
6683.019	Water Treatment Plant #4 - Construction Manager at Risk	50 MGD	Plant 4 Service	2015	$290,537	$280,987
6683.02	WTP4 Bullick Hollow Roadway Improvements	50 MGD	Plant 4 Service	2011	$1,081	$1,150
2127.033	South I-35 Elevated Water Tank	3 MG	South	2027	$13,447	$14,307
3876.001	Slaughter Ln Transmission Main	24/30"	South	1992	$2,673	$2,845
6935.059	Slaughter Lane Waterline Extension	16"	South	2017	$149	$0
6937.001	S IH-35 Transmission Main	36"	South	2010	$40	$43
6937.003	So. IH35 W/WW Infrastructure Improvs PMC	PMC	South	2013	$8,658	$9,212
6937.005	S I-35, Pilot Knob Pump Station	22 MGD	South	2014	$10,732	$11,419
6937.006	S I-35, Segment 21 - Pilot Knob Reservoir 48-inch Water Main	48"	South	2013	$660	$703
6937.008	S I-35, Segment 6 - I 35 South of Onion Creek, 36-Inch Water Main	36"	South	2012	$1,459	$1,553
6937.009	S I-35, Seg. 13/14 - Pleasant Valley Ext., Rinard Crk to E Slaughter Ln, 42	42"	South	2013	$1,872	$1,992
6937.01	S I-35, Segment 17/18/19 - Slaughter Ln Ext to Thaxton, 48-inch Water Main	48"	South	2012	$3,200	$3,405
6937.011	S I-35, Segment 4 - I 35, N of FM 1626 to Onion Creek, 36-Inch Water Main	36"	South	2012	$1,358	$1,445
6937.012	S I-35, Segment 7 - I 35, north of FM 1327, 42-Inch Water Main	42"	South	2013	$2,014	$2,143
6937.013	S I-35, Segment 9.0 - FM 1327, I 35 to Bradshaw Rd, 42-Inch Water Main	42"	South	2012	$2,935	$3,123
6937.014	S I-35, Segment 9.1 - FM 1327 to Bradshaw Road north of FM 1327	42"	South	2013	$3,126	$3,326
6937.015	S IH-35 Transmission Main, Segment 18&19 - E Slaughter Ln, Marble Creek to Thaxton	48"	South	2010	$317	$337

SubProjectID	Project Description	Size	Pressure Zone	Completion Date	Cost to Build	Interest Cost
City Construction						
6937.016	S I-35, Seg. 20.1/21 - Wm Cannon from McKinney Falls to Pilot Knob WTM	48"	South	2013	$3,265	$3,474
6937.017	S I-35, Seg. 2/5 - I 35 Slaughter and Onion Crk Crossings, 36-In Water Main	36"	South	2012	$7,999	$8,510
6937.018	S I-35, Segment 8 - I 35 Crossing North of FM 1327, 42-In Water Main	42"	South	2012	$1,565	$1,666
6937.019	S I-35, Segment 20.0 - McKinney Falls Pkwy, Thaxton to Wm Cannon, 48-Inch W	48"	South	2014	$3,414	$3,633
6937.02	S I-35, Segment 15 - Goodnight Ranch Ph I, 48-Inch Water Main	48"	South	2011	$1,021	$1,086
6937.021	S I-35, Segment 1 - I 35 Slaughter Ln to Slaughter Crk, 36-In Water Main	36"	South	2013	$2,962	$3,152
6937.022	S I-35, Seg. 11/12 - S. Pleasant Val. Ext. at Legends Way, 42-In Water Main	42"	South	2013	$1,943	$2,068
6937.023	S I-35, Segment10 - Bradshaw Rd, S of River Plantation Dr, 42-In Water Main	42"	South	2013	$1,729	$1,839
6937.024	S I-35, Segment 16 - Goodnight Ranch Phase II, 48-Inch Water Main	48"	South	2012	$1,370	$1,458
6937.03	S IH-35 Transmission Main, E Slaughter Ln ROW Acquisition	Sites of Seg. 17,18,19	South	2011	$496	$527
3825.001	Southwest B Camp Ben McCullough Transmission Main	16"	Southwest B	1992	$504	$536
4800.005	New Thomas Springs Reservoir	1.25 MG	Southwest C	2001	$2,347	$2,471
4800.01	Southwest C Pressure Zone Pump Station	8.2 MGD	Southwest C	2006	$5,868	$6,105
4800.021	Southwest C Pressure Zone Transmission Main Ph 2	30"	Southwest C	2007	$2,326	$2,424
4800.022	Southwest C Pressure Zone Transmission Main Ph 1	30"	Southwest C	2007	$6,076	$6,372
5335.001	Ullrich WTP 160 MGD Expansion	67 MGD Exp.	Ullrich Service	2011	$109,653	$116,670
5335.002	Ullrich Water Treatment Plant 160 MGD Expansion - Low Service Pump Station	67 MGD Exp.	Ullrich Service	2006	$2,596	$2,762

SubProjectID	Project Description	Size	Pressure Zone	Completion Date	Cost to Build	Interest Cost
Developer Reimbursements						
3353.049	Robertson Hill Development	16"	Central	2008	$643	$685
3353.052	Del Valle Junior High Number 2	24"	Central	2005	$349	$371
3353.059	Pearce Lane Tract	36"	Central	2004	$2,598	$2,765
3353.069	University Neighborhood Overlay District	24"	Central	2007	$1,832	$1,949
3353.095	Whisper Valley and Indian Hills	48"	Central	2026	$8,839	$9,405
3353.096	Formula One United States	24/36"	Central	2014	$4,430	$4,714
3353.1	71 Commercial	24"	Central	2014	$1,098	$1,168
3353.106	Eastside Village (SER-3393) 12-Inch Water Line Improvements	12"	Central	2015	$223	$237
3353.007	Jourdan's Crossing Service Extension	24"	North	2001	$194	$0
3353.009	Dell 24-inch Water Reimbursement	24"	North	1998	$1,769	$0
3353.028	Wild Horse Ranch	24/36"	North	2017	$5,675	$6,038
3353.033	Pioneer Crossing Service Extension (SER 1825), Ph II	24"	North	2004	$1,245	$1,325
3353.042	Parmer Park Service Extension	24"	North	2002	$871	$926
3353.099	Pioneer Hill	16"	North	2016	$430	$458
5028.002	Robert Mueller Municipal Airport Reimbursement	16/24"	North	2007	$1,154	$1,228
5028.004	Mueller Water Improvements Reimbursement (SER 2277), Ph II	16"	North	2008	$6,130	$6,522
5028.006	RMMA Redevelopment North WPZ Imp Phase 3 (SER 2278)	30"	North	2012	$5,662	$6,024
3353.019	IBM/Tivoli Service Extension	16"	Northwest A	2002	$341	$0
3353.032	Howard Lane Service Extension	24/16"	Northwest A	2000	$220	$0
3353.065	Schultz 45 Acre Tract Water--Wells Branch Commerce Park	24"	Northwest A	2013	$304	$323
3041.001	Davis Springs Service Extension Reimbursement	24"	Northwest B	1997	$941	$0
3353.018	Avery Ranch Service Extension	24/36/48", 3 MG	Northwest B	2015	$13,691	$10,556
3353.038	Stone Hedge Service Extension	24"	Northwest B	2011	$8,931	$9,502
3353.094	Pearson Ranch - RRISD (SER 2869 and 2870)	24"	Northwest B	2014	$2,638	$2,807
3353.022	AMAX Self-Storage Reimbursement	24"	Northwest C	2007	$169	$180

SubProjectID	Project Description	Size	Pressure Zone	Completion Date	Cost to Build	Interest Cost
Developer Reimbursements						
3353.027	Canyon Creek Subdivision Reimbursement	24"	Northwest C	2002	$1,101	$1,172
3353.062	Zachary Scott Tract Service Extension	24"	South	2009	$1,241	$1,320
3353.072	Goodnight Ranch	24"	South	2016	$2,443	$2,599
3353.074	Alexan Onion Creek	24/36"	South	2010	$884	$940
3353.117	Turner's Crossing	7 MGD, 24"	South	2024	$819	$0
3353.127	Marshall Tract	0.75 MG, 16"	South	2023	$6,066	$6,454
3353.008	Lantana Service Extension Developer Reimbursement Southwest B&C	14 MGD PS	Southwest B/C	2002	$1,360	$0
3353.025	Travis County West Developer Reimbursement Southwest C	2.1 MGD PS, 16"	Southwest C	2003	$1,682	$1,789
Roadway Utility Betterment Projects						
3212.133	Travis County Utility Relocation: FM 969 (Phase I): Decker Lane to FM 973	16"	Central	2019	$2,965	$1,068
3212.136	TxDOT Utility Relocation: US 183 Bergstrom Exprway (US 290 to SH 71)	24"/16"/12"	Central	2020	$8,833	$5,514
3212.169	Travis County Utility Relocation: Pearce Lane at Kellam Rd Intersection	12"	Central	2025	$850	$0
3212.186	Travis County Utility Relocation - Ross Road Water Pipeline Relocation	24"	Central	2026	$898	$0
5403.001	Rio Grande: from MLK to 24th St. Street Reconstruction & Utility Adjustment	16"	Central	2014	$1,113	$1,185
6055.004	E. 7th Street Improvements from Northwestern to Pleasant Valley	12"	Central	2013	$729	$0
6055.024	Second Street District Streetscape Street Recon. & Utility Adj. Phase 3	12"	Central	2018	$721	$768
6684.001	MLK: Rio Grande to Lamar	12"	Central	2012	$826	$879
6959.001	Group 30: Oltorf St E/Congress Ave-IH35	24"/12"	Central	2015	$1,263	$1,344
6960.001	Brazos St/Cesar Chavez-11th St E	12"	Central	2014	$1,590	$1,692
6961.002	Colorado St. Reconstruction and Utility Adjustments from 7th St to 10th St	12"	Central	2020	$673	$716

SubProjectID	Project Description	Size	Pressure Zone	Completion Date	Cost to Build	Interest Cost
Roadway Utility Betterment Projects						
8158.001	3rd St. Reconstruction Phase 3 - Congress Ave. to Guadalupe St.	12"	Central	2019	$113	$0
8158.002	3rd St Phase 2 - Congress Ave to Brazos St & San Jacinto Blvd to Trinity St	12"	Central	2019	$124	$131
8158.003	3rd St. Phase 1 - Brazos St. to San Jacinto Blvd.	12"	Central	2015	$252	$268
3212.16	TxDOT IH 35 South Waterline Relocation: SH71/Ben White Blvd to SH 45 SE	12"/16"/24"	Central/South	2026	$1,575	$0
3212.064	Harris Branch Parkway/Cameron Rd. Water Lines Relocation	12"	North	2012	$168	$178
3212.123	CTRMA/TxDOT Utility Relocation: US290E Manor Expressway	16"/24"	North	2016	$1,008	$514
3212.151	TxDOT IH 35 Waterline Relocation: Rundberg to 290 East Segment	12"	North	2020	$749	$0
5815.002	Triangle - Infrastructure Incentives	16/24"	North	2005	$413	$440
7487.002	Braker Ln Extension from Dessau Rd. to Samsung Blvd (City Funded)	24"	North	2026	$5,594	$0
3212.093	Howard Lane Projects	16"	Northwest A	2012	$1,027	$1,093
3212.178	TxDOT Loop 360 at Westlake Drive Water & Wastewater Relocation	24"	Northwest A	2024	$6,513	$0
3212.18	TxDOT Loop 360 at Spicewood Springs Road Water & Wastewater Relocation	30"	Northwest A	2028	$2,988	$0
3212.183	TxDOT 360 at RM2222 and Courtyard Water and Wastewater Relocation	24"	Northwest A	2027	$1,331	$0
3212.163	TxDOT IH 35 North (16) Project WL Relocation: SH 45 N to US 290	12"/16"/24"/36"/48"	Northwest A/North	2027	$3,916	$0
3212.193	TXDOT FM 734 (Parmer Ln) Relocation: FM 620 to Whitestone Blvd.	36"	Northwest B	2024	$6,829	$7,266
3212.104	Manchaca Rd-Ravenscroft to FM 1626	16"	South	2013	$2,297	$2,444
3212.179	TxDOT US 290 at Oak Hill Parkway Water & Wastewater Lines Relocation	12"/16"/24"/30"	Southwest A/B/C	2027	$1,393	$0



CIP Pump Station
CIP Reservoir
TP CIP Water Treatment Plant
CIP Water Pipes

Existing Pump Station
Existing Reservoir
TP Existing Water Treatment Plant
Existing Water Pipes 24" - 60"
Existing Water Pipes Greater than 60"
2023 Impact Fee Boundary Update

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Austin Water

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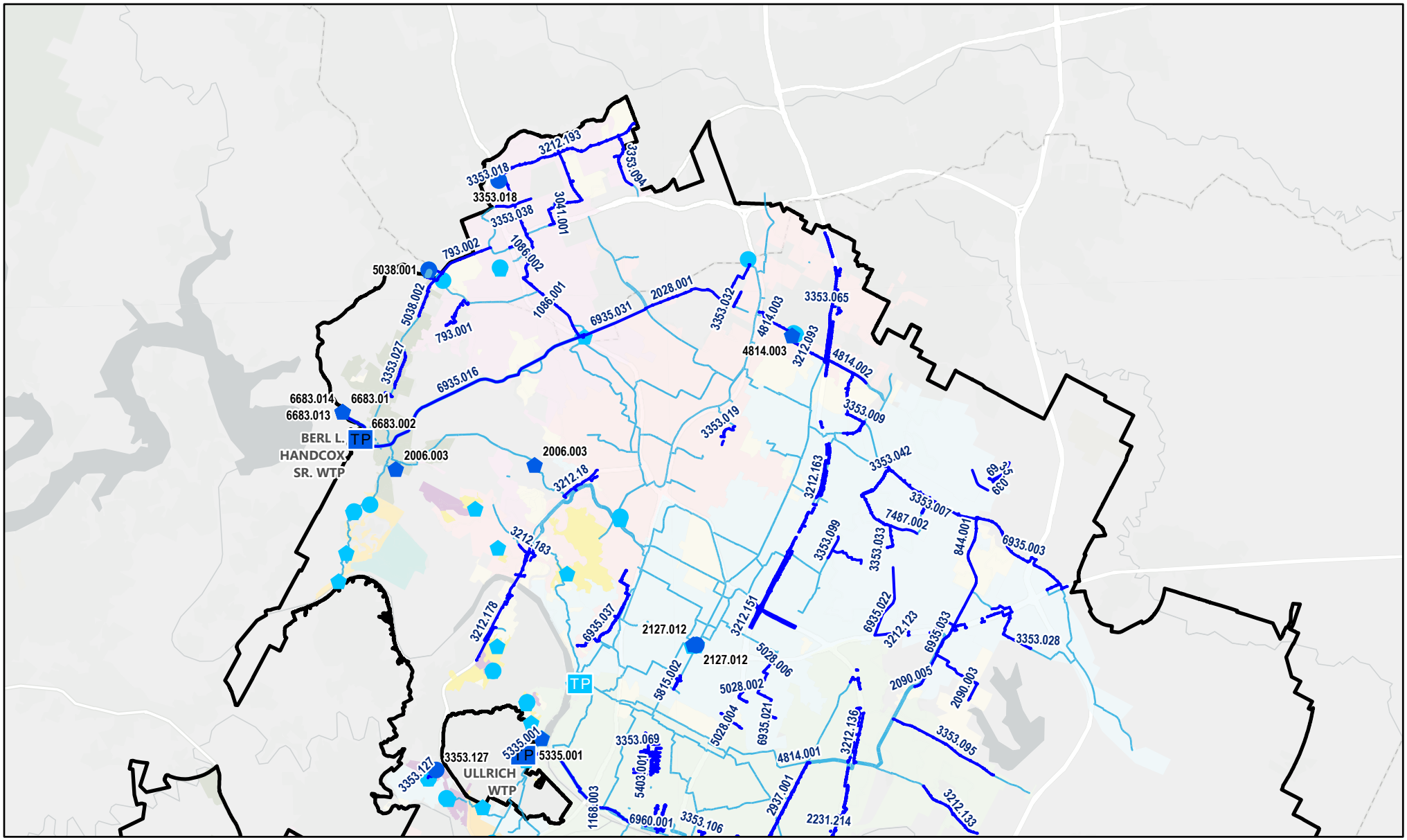
Map 1A - Overall Extent
2023 Impact Fee CIP
Major W Facilities

Produced by Systems Planning



CIP Pump Station
CIP Reservoir
TP CIP Water Treatment Plant
CIP Water Pipes

Existing Pump Station
Existing Reservoir
TP Existing Water Treatment Plant
Existing Water Pipes 24" - 60"
Existing Water Pipes Greater than 60"
2023 Impact Fee Boundary Update

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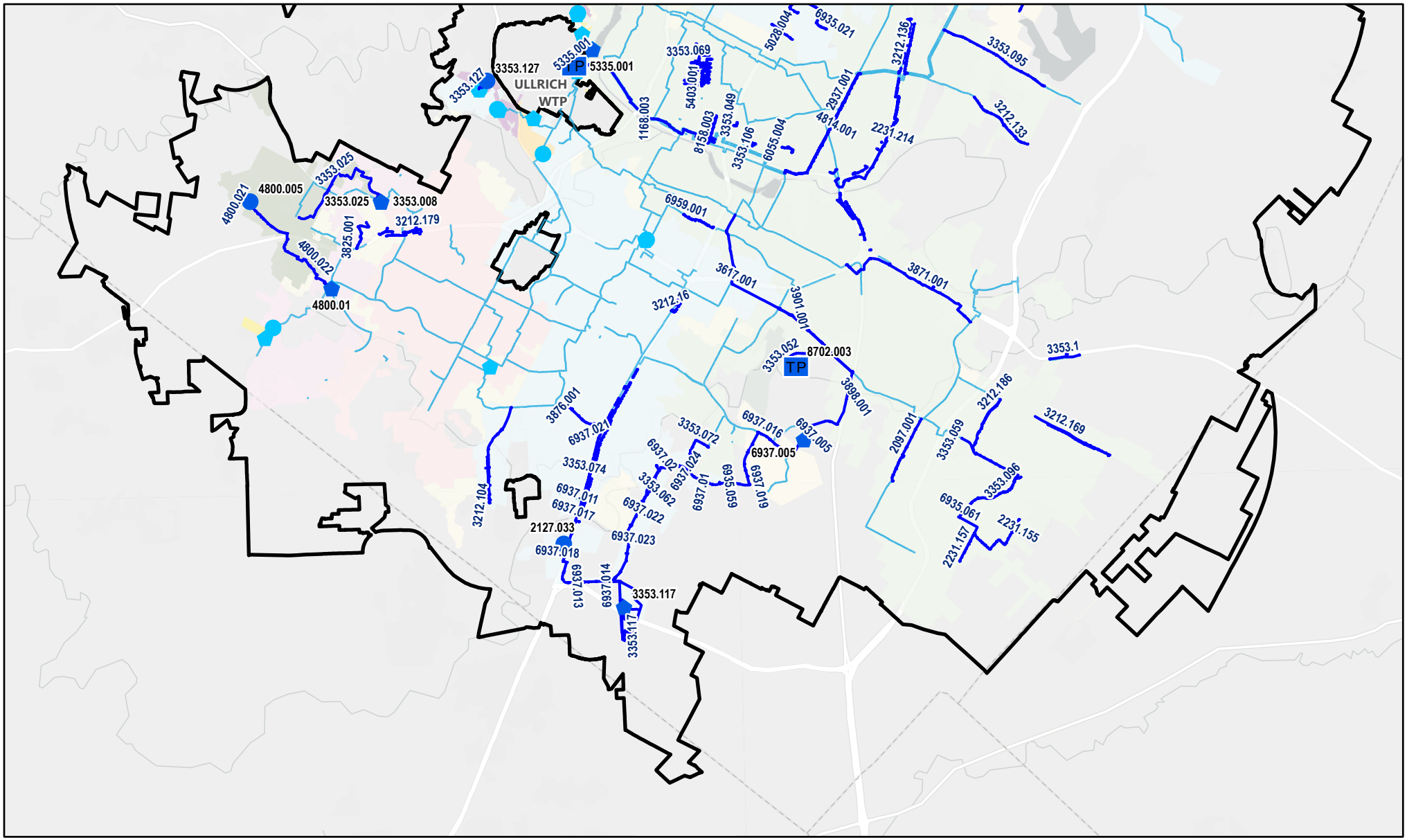
City of Austin
Austin Water

December 2022

Map 1B - North Extent
2023 Impact Fee CIP
Major W Facilities

Produced by Systems Planning



CIP Pump Station
CIP Reservoir
TP CIP Water Treatment Plant
CIP Water Pipes

Existing Pump Station
Existing Reservoir
TP Existing Water Treatment Plant
Existing Water Pipes 24" - 60"
Existing Water Pipes Greater than 60"
2023 Impact Fee Boundary Update

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City of Austin
Austin Water

December 2022

Map 1C - South Extent
2023 Impact Fee CIP
Major W Facilities

Produced by Systems Planning

Table 2 Wastewater Impact Fee Projects

(Costs in 1000s)

SubProjectID	Project Description	Size	Drainage Basin	Completion Date	Cost to Build	Interest Cost
City Construction						
3168.109	Marbridge Lift Station Improvements	430 gpm	Bear	2016	27	0
3168.138	Southland Oaks Lift Station Wet Well Conversion	2100 gpm	Bear	2026	2,186	0
2231.327	Bull Creek Basin Wastewater Pipelines Renewal	18"/24"	Bull	2019	258	0
3168.057	Rock Harbour Lift Station Improvements	2387 gpm	Bull	2026	6,426	6,837
3168.085	Northwest Area Lift Station Improvements: Boulder Lane Lift Station	1600gpmLS/18"gravity/15"gravity	Bull	2027	5,351	0
3168.118	Northwest Area Lift Station Improvements: Four Points Center Lift Station	1700 gpm	Bull	2026	2,419	0
6943.029	Barrington Way Force Main Reroute and Gravity System Upgrade	15"	Bull	2017	2,638	0
6943.032	Four Points Center Forcemain Improvements	12" FM	Bull	2018	1,357	1,444
6943.087	Boulder Lane at Crossland Drive Wastewater Improvements	15"	Bull	2029	200	0
6943.025	Boggy Creek Lift Station Force Main Extension	36" FM	Carson	2027	13,685	13,521
6943.034	Carson Creek Basin Wastewater Line Improvements	18"/24"	Carson	2022	2,833	3,014
6943.069	Ponca Street Wastewater Improvements	18"	Carson	2030	1,836	0
4769.008	Wildhorse Northwest Interceptor Phase 2	12"/18"/21"/24"/27"/30"	Decker/Gilleland	2013	2,649	0
7265.061	Dessau WWTP Interim Improvements	10" FM / 0.73 MGD LS	Dessau	2022	712	757
3168.037	Pearce Lane Lift Station Upgrade	900 gpm exp	Dry South	2014	61	0

SubProjectID	Project Description	Size	Drainage Basin	Completion Date	Cost to Build	Interest Cost
City Construction						
3168.059	South Area Lift Station Improvements: Pearce Lane Upgrades	4500 gpm	Dry South	2021	125	0
4769.002	NE AREA INTERIM WWTP	20"FM/30"gravity/0.75 MGD plant	Gilleland	2008	8,763	9,324
4769.006	Wildhorse North Interceptor	8"/18"/36"	Gilleland	2005	2,369	2,520
4769.015	Wildhorse North Interceptor Ext No. of 290	42"	Gilleland	2015	3,693	3,929
7265.004	Wild Horse Ranch Wastewater Treatment Plant Expansion	1.5 MGD exp	Gilleland	2030	45,572	48,170
5481.001	Downtown Wastewater Tunnel	42"/48"/54"/78"/90"	Govalle/SAR	2015	57,722	52,686
6943.043	Harpers Branch Creek Wastewater Interceptor	15"/18"	Harpers Branch	2025	1,116	0
4926.100	ACWP-govalle 2-Harpers Branch WW Replacement	30"	Harpers Branch	2009	8,392	8,930
3353.102	Fort Dessau	18"/24"/FM/750gpmLS	Harris Branch	2016	1,417	1,508
4769.010	Harris Branch Interceptor Lower A	12"/30"/36"	Harris Branch	2018	8,006	8,518
4769.011	Upper Harris Branch Wastewater Interceptor - Phase 1	42"	Harris Branch	2028	19,092	20,314
4769.022	Upper Harris Branch Wastewater Interceptor - Phase 2	42"	Harris Branch	2028	22,842	24,304
4769.023	Dessau Wastewater Treatment Plant Relief Interceptor	42"	Harris Branch	2029	240	0
7265.002	Purchase of Dessau Utilities	.5 MGD plant/4100 gpm LS/16" FM/284 gpm LS/6"FM	Harris Branch	2006	2,095	0
4769.018	Harris Branch Interceptor Lower B	36"	Harris Branch/Gilleland	2016	6,580	947
6943.004	Parmer Lane Interceptor	42"	Lake Creek/Rattan	2021	37,989	38,615
4926.021	ACWP - Little Walnut/Buttermilk @ 290 & 183	42"	Little Walnut	2010	1,979	2,105
4926.023	ACWP-Little Walnut/Buttermilk @ Centre Creek	42"	Little Walnut	2009	4,776	5,082
4926.028	ACWP - Little Walnut/Buttermilk - South	8"/42"/60"	Little Walnut	2009	17,039	11,838

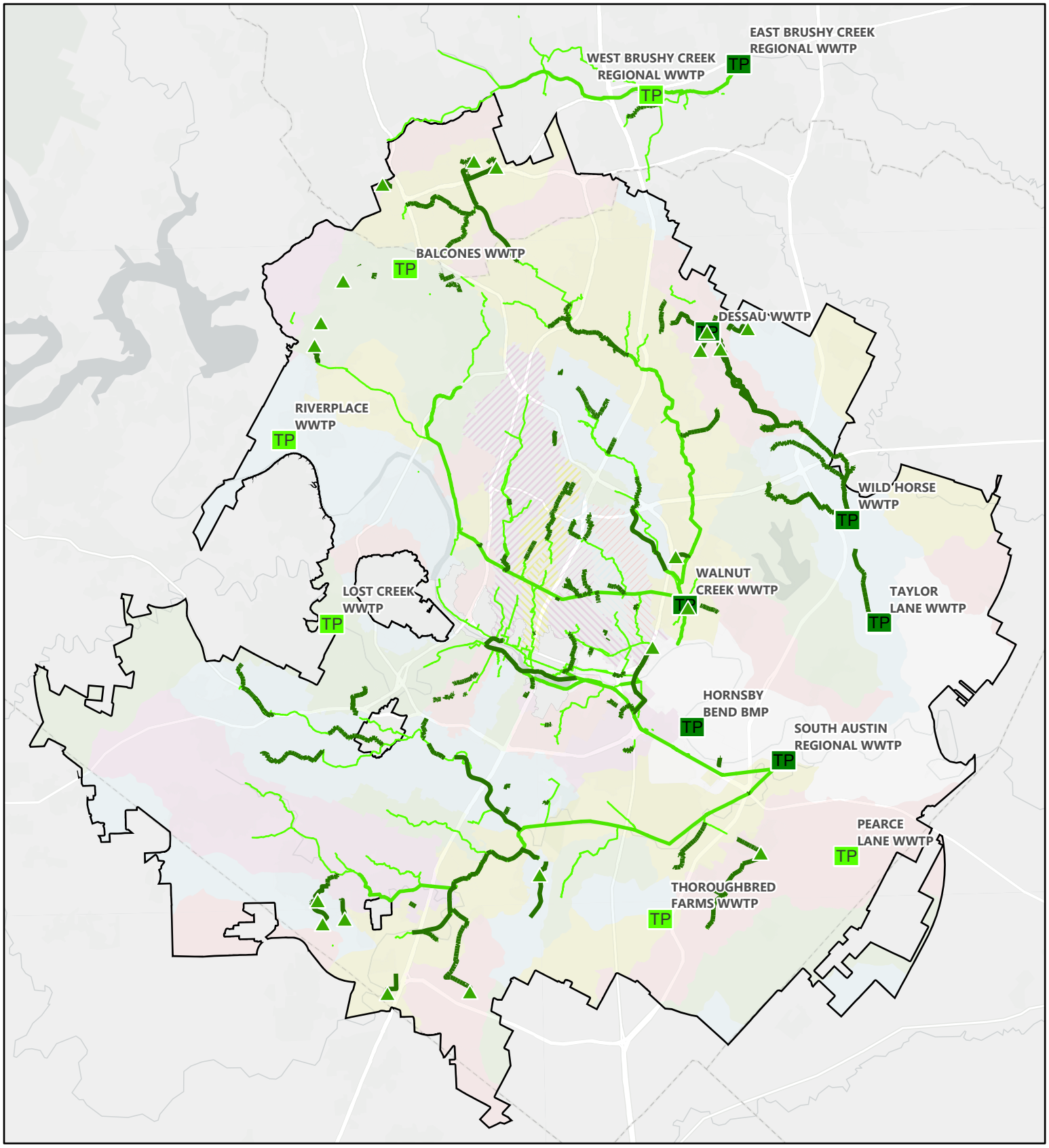
SubProjectID	Project Description	Size	Drainage Basin	Completion Date	Cost to Build	Interest Cost
City Construction						
5754.086	Little Walnut Creek - Flood Risk Reduction from Metric to Rutland	12"/15"/18"/30"	Little Walnut	2024	3,138	0
6943.080	Park Village Drive Wastewater Improvements	18"/24"	Little Walnut	2027	4,390	0
13275.002	Wastewater Upsize and Relocation at Rundberg Ln & Delta Dr- McKalla Station	42"	Little Walnut	2025	527	0
2231.401	Concordia Neighborhood Water and Wastewater Pipeline Renewal Project	12"	Lower Boggy	2030	1,091	1,161
3168.043	Boggy Creek LS Upgrade	25 MGD	Lower Boggy	2016	4,120	4,384
3168.077	Gonzales Lift Station Abandonment	18"	Lower Boggy	2018	1,960	0
3168.125	South Area Lift Station Improvements: Springfield Lift Station Abandonment	36"	Onion	2030	4,359	0
6937.003	So. IH35 W/WW Infrastructure Improvs PMC	PMC	Onion	2013	4,516	4,120
6937.025	S I-35, Onion Creek Wastewater Interceptor - Rinard to Slaughter (N Tunnel)	54"	Onion	2017	13,503	14,367
6937.026	S I-35, Onion Creek Golf Course WW Int - I 35 to Rinard (South Tunnel)	42"	Onion	2016	10,843	11,537
6937.027	S I-35, Onion Creek Wastewater Tie-in Line - Phase 1	24"	Onion	2012	2,410	2,564
6943.035	FM 973 Wastewater Line Improvements	15"/18"	Onion	2018	1,967	0
4926.097	ACWP-Govalle 4-Waller Pedernales WW Imprvs	36"	Pedernales	2012	16,165	17,199
3333.001	SAR Expansion & Improvements Project	25 MGD exp	SAR WWTP	2006	19,262	20,494
3333.005	SAR Lift Station Interconnect Tunnel	25 MGD exp	SAR WWTP	2006	3,941	4,194
3333.006	SAR Train C South	25 MGD exp	SAR WWTP	2006	29,426	24,745
3333.007	SAR Train C North	25 MGD exp	SAR WWTP	2006	28,497	27,285

SubProjectID	Project Description	Size	Drainage Basin	Completion Date	Cost to Build	Interest Cost
City Construction						
3333.008	SAR New Electrical Substation and Miscellaneous Areas	25 MGD exp	SAR WWTP	2007	13,276	14,126
6943.055	Southland Oaks Wastewater Improvements	30"	Slaughter	2022	2,449	2,605
6943.045	Upper Boggy West - Cherrywood Wastewater Line Improvements	12"/15"/24"/36"	Upper Boggy	2027	6,978	0
2231.307	Rosedale North Water and Wastewater Pipeline Renewal Phase 2	12"	Upper Shoal	2023	921	0
2231.455	Burrell Drive Wastewater Improvements	12"	Upper Shoal	2020	1,210	1,287
4926.037	ACWP - Shoal Creek WW Improvements / 29th to 34th St.	8"/12"/66"	Upper Shoal	2006	12,429	13,225
6943.075	Cameron Road Wastewater Improvements	18"/30"	Upper Tannehill	2028	6,896	0
2231.122	Airport at Chesterfield Wastewater Improvements	12"/15"/18"/24"	Upper Waller	2015	9,544	1,738
5815.002	Triangle - Infrastructure Incentives	18"	Upper Waller	2006	1,193	1,269
3168.039	Waters Park Relief Main	36"	Walnut	2018	6,488	6,903
3023.003	Walnut Creek WWTP	15 MGD exp	Walnut WWTP	2004	20,474	21,784
3023.017	Walnut Creek WWTP 75 MGD Upgrade	15 MGD exp	Walnut WWTP	2004	27,614	18,739
3023.019	Walnut Creek WWTP Headworks Improvements	25 MGD	Walnut WWTP	2028	46,898	49,899
3023.046	Walnut Creek WWTP Expansion to 100 Million Gallons Per Day	25 MGD EXP	Walnut WWTP	2029	472,989	486,506
3023.059	Walnut Creek Wastewater Treatment Plant Influent Lift Station	18 MGD (Ph 1), 23 MGD (Ph 2)	Walnut WWTP	2027	12,961	0
4579.001	WALNUT CREEK WWTP, PH III	15 MGD exp	Walnut WWTP	2004	15,483	16,474
6943.026	Barton Creek Plaza Lift Station Downstream Improvements	15"/24"	West Bouldin	2026	5,310	0
11887.003	South Lamar Boulevard Corridor: Barton Springs Road to US 290	12"/15"/18"/24"	West Bouldin	2026	1,918	2,040

SubProjectID	Project Description	Size	Drainage Basin	Completion Date	Cost to Build	Interest Cost
City Construction						
2231.320	Westgate Neighborhood Wastewater Pipeline Renewal	12"/15"	Williamson	2030	5,002	0
6943.031	Williamson Creek Wastewater Interceptor	66"/72"	Williamson	2029	64,458	68,583
6943.071	Pino Lane Wastewater Improvements	18"	Williamson	2027	1,254	1,334
6943.073	Stassney Lane and Teri Road Wastewater Improvements	24"	Williamson	2027	1,373	1,461
Developer Reimbursements						
3353.054	Marbridge Farms Wastewater	350 gpm LS	Bear	2007	217	231
3353.071	Rancho Alto Ventures	481 gpm LS, FM	Bear	2008	442	470
3351.001	Cullen/Southland Acquisition	12"FM/18"	Bear/Slaughter	1997	761	0
3353.013	Metro Center Services Extension	24"	Carson	2000	151	0
3353.028	Wild Horse Ranch	8"/12"/18"/21"/24"/27"/36"	Decker/Gilleland	2018	4,090	4,352
3353.125	Entrada Subdivision	8" FM / 0.97 MGD LS	Dessau	2023	1,128	0
3353.096	Formula One United States	30"	Dry South	2016	6,267	0
3353.103	Moore's Crossing MUD Lift Station Interceptor WW Service Extension Plan	21"	Dry South	2017	75	80
3353.118	Longview Offsite Utilities Phase 1	16" FM	Dry South	2022	2	0
3353.101	Bellingham Meadows/Wm. Wallace Way Lift Station Wastewater Relief Main	15"/18"	Gilleland	2017	2,339	2,489
3353.076	Wildhorse Addition	12"/18"	Gilleland	2009	793	843
3353.077	Scots Glen	18"	Gilleland	2009	845	1
3353.095	Whisper Valley and Indian Hills Public Improvement Districts	30"Gravity/LS/0.1 MGD TP	Gilleland	2024	1,921	2,044
3041.001	Davis Springs Reimbursement	21"Gravity/16"FM/3600gpmLS #1	Lake Creek	1996	2,042	603
3168.024	Balcones LS Relief - Phase I & 3A	8"/12"/18"/24"	Lake Creek	2005	1,775	1,091
3168.029	Balcones LS Relief - Phase IIIC	18"/24"	Lake Creek	2002	1,577	1,678

SubProjectID	Project Description	Size	Drainage Basin	Completion Date	Cost to Build	Interest Cost
Developer Reimbursements						
3353.091	Pearson Avery Ranch	12/24/FM/1100gpmLS	Lake Creek	2016	2,827	3,008
3353.093	Lakeline Condos-Gencap Partners SER 2846	8"/15" gravity/10"FM/1100gpmLS	Lake Creek	2014	1,341	1,427
3353.122	Pearson Ranch West SER	1900gpmLS/24"gravity/30"gravity	Lake Creek	2022	2,200	2,341
5028.005	RMMA Redevelopment South WW Improvements (SER 2281)	15"	Lower Tannehill	2008	1,397	1,487
3353.049	Robertson Hill Development	12"	Lower Waller	2008	693	738
3353.119	116 Ac Thaxton Road Tract	30"/1710 gpm LS/24"	Marble	2023	13,594	0
3353.126	Stillwater Old San Antonio Rd	815 gpm/8" FM	Onion	2023	1,931	2,054
3353.107	Bella Fortuna Wastewater Interceptor (formerly Buratti Subdivision)	18"/21"	Onion/Rinard	2022	1,022	1,088
3353.084	Legends Way	30"	Rinard	2016	1,905	2,027
3353.062	Zachary Scott Tract SER	36"	Rinard	2012	8,249	6,320
3353.117	Turner's Crossing	12" FM/1710 gpm LS/24"	Rinard	2024	1,052	0
3353.016	Akin High School Reimbursement	18"	Slaughter	2000	459	0
5028.003	RMMA-Airport Rd WW Improvs Phase Two (SER 2279)	15"/18"/24"	Upper Boggy	2009	2,135	2,271
5028.007	RMMA Redevelopment Catellus SER #2263	12"/15"	Upper Boggy	2012	474	504
3353.115	Austin Community College Wastewater Line E (SER-3145)	24"/30"	Upper Tannehill	2022	2,390	2,543
5028.007	RMMA SE WW Improvements (SER 2282)	15"/30"	Upper Tannehill	2012	5,715	3,379
3353.007	Jourdan's Crossing Service Extension	12"/18"/36"/48"	Walnut	1998	2,406	0
3353.011	Dell 18	18"	Walnut	2000	652	0
3353.123	East Parke Subdivision Phase 1 Lift Station	10"FM/1600gpmLS	Walnut	2022	2,787	2,965
3353.112	Del Curto Road Wastewater Improvements (SER-3486R2)	15"	West Bouldin	2017	306	325
3353.006	Travis Country Service Extension	21"	Williamson	1997	41	43

SubProjectID	Project Description	Size	Drainage Basin	Completion Date	Cost to Build	Interest Cost
Capital Investment in Brushy Creek Regional Wastewater System						
6943.033	Brushy Creek WW Improvements-Southwest Interceptor/Lake Creek Interceptor	36"	Brushy Creek	2016	998	1,062
7265.040	Brushy Creek Regional Wastewater Treatment Plant Expansion Participation	2.47 MGD exp	Brushy Creek	2023	45,041	47,924
Roadway Utility Betterment Projects						
3212.057	TxDOT Utility Relocation: FM 973 at Colorado River	10" FM	Colorado River	2017	1,559	1,659
3212.116	Hwy 290 & Airport Blvd WWL Relocation	15"	Upper Tannehill	2014	399	425
3212.136	TxDOT Utility Relocation: US 183 Bergstrom Expressway (US 290 to SH 71)	24"/30"	Lower Boggy/Colorado/Carson	2019	5,222	5,556
3212.137	TxDOT Utility Relocation: SH 71 East of US 183 to Onion Creek - Toll Road	15"	Onion	2018	1,753	1,865
3212.163	TxDOT IH 35 North (16) Project WL Relocation: SH 45 N to US 290	24"	Little Walnut	2022	3,916	0
11886.005	Airport Boulevard - MLK Jr. Blvd to US 183	12"/15"	Lower Boggy	2025	470	0
11891.003	E MLK Jr Blvd / FM 969 - US 183 to Decker LN	24"/30"/36"	Walnut/Johnny Morris	2027	2,821	0



CIP Lift Station

TP CIP WW Treatment Plant

CIP Wastewater Pipes

TP Existing City WW Treatment Plant

Existing Wastewater Pipes 24"-48"

Existing Wastewater Pipes Greater than 48"

2023 Impact Fee Boundary Update

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Map 2A - Overall Extent
2023 Impact Fee CIP
Major WW Facilities

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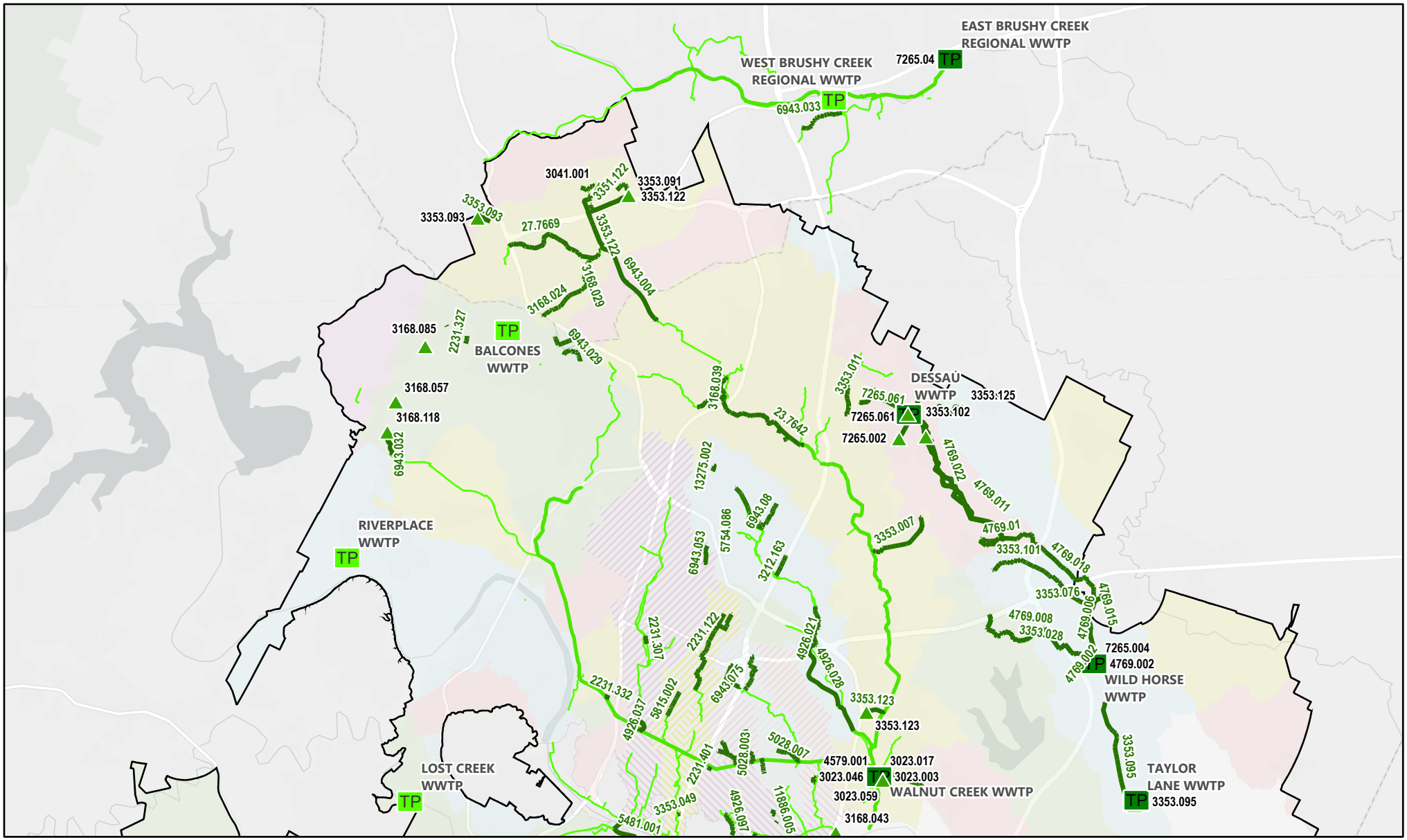

City of Austin
Austin Water

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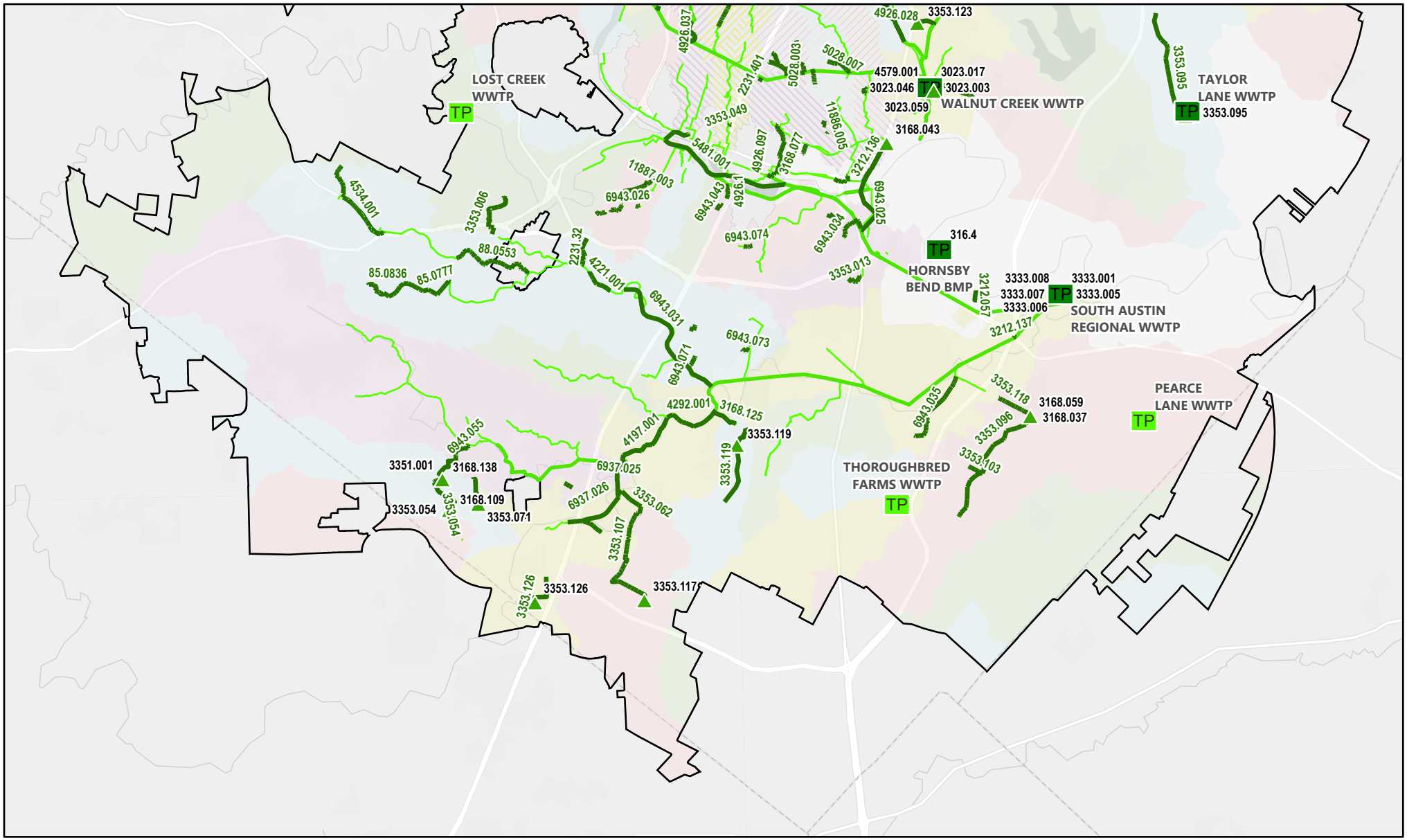
Map 2B - North Extent
2023 Impact Fee CIP
Major WW Facilities

Produced by Systems Planning



- CIP Lift Station
- TP CIP WW Treatment Plant
- CIP Wastewater Pipes
- TP Existing City WW Treatment Plant
- Existing Wastewater Pipes 24"-48"
- Existing Wastewater Pipes Greater than 48"
- 2023 Impact Fee Boundary Update

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City of Austin
Austin Water

December 2022

Map 2C - South Extent
2023 Impact Fee CIP
Major WW Facilities

Produced by Systems Planning

Table 3 Future Growth Projects in the Capital Improvements Program

Capital Improvement Projects Targeted to Meet Long-Range Future Needs
Timing uncertain, or beyond 2030, or not serving new users in 10-year planning horizon

(All costs in 1000s of dollars)

WATER DEPT	SUBPROJECT ID	SUBPROJECT NAME	COST
2207	2006.013	Far South Pressure Zone Pump Station	5,100
2207	2006.031	Martin Hill Pump Station	24,562
2207	2127.022	Far South Pressure Zone Elevated Tank	5,100
2207	2127.031	Martin Hill Elevated Reservoir	4,950
2207	6935.001	Davis Medium Service Water Transmission Main	138,000
2207	6935.005	Springdale Road/US 183/Hwy 71 Transmission Main	8,000
2207	6935.013	Forest Ridge/North West Austin Transmission Main	18,625
2207	6935.015	Highway 183 - Pilot Knob Pump Station Water Supply Transmission Main	9,350
2207	6935.018	FM 969: Decker Lane (FM 3177) to Hunters Bend Road Water Line	3,700
2207	6935.024	North Zone Water Transmission Main IH-35 to Braker Lane	36,400
2207	6935.026	Moore Rd Transmission Main	6,473
2207	6935.029	FM 812 Transmission Main	6,800
2207	6935.03	Harris Branch Pkwy/Cameron Rd 24-inch Transmission Main	5,099
2207	6935.04	Westlake/West Rim Water System Improvements	1,080
2207	6935.089	North Zone Transmission Main Braker Lane to Howard Lane Pump Station	53,700

WASTEWATER DEPT	SUBPROJECT ID	SUBPROJECT NAME	COST
2307	3164.075	Hornsby Bend Biosolids Management Plant Headworks Improvements	19,362
2307	3333.021	South Austin Regional WWTP Expansion to 100 Million Gallons per Day	346,000
2307	6943.003	Upper Tannehill Wastewater Interceptor Improvements: Berkman Drive	16,496
2307	6943.023	Lower Waller Interceptor	4,843
2307	6943.041	Barrington Oaks Downstream Gravity Improvements Phase 2	4,020
2307	6943.056	Upper Tannehill Wastewater Improvements: Morris Williams	12,512
2307	6943.059	Upper Boggy West Wastewater Line Improvements - Phase 2	3,880
2307	6943.061	Sendero Hills Wastewater Improvements Phase I	2,808
2307	6943.062	Sendero Hills Wastewater Improvements Phase II	3,085
2307	6943.065	Upper Tannehill Wastewater Interceptor Improvements Phase 3: Creekwood Road	6,590
2307	6943.067	Upper Walnut North Mopac Wastewater Improvements	6,700
2307	6943.07	Comal Street Wastewater Improvements Phase 1	4,211
2307	6943.074	Country Club Wastewater Improvements	3,871
2307	7265.019	Taylor Lane WWTP Expansion to 2.0 MGD	20,000

Table 4 Projects Removed from Previous Impact Fee Listing

(All costs in 1000s of dollars)

Removed Water Impact Fee Projects

SubProject ID	Project Description	Size	Pressure Zone	Completion Date	Cost to Build	Reason
3612.001	Green WTP Transmission Main	60"	Central	1989	$4,049	Completed in 1989
3618.001	East Austin Transmission Main	66"	Central	1989	$8,203	Completed in 1989
3620.001	East Austin Reservoir	12 MG	Central	1987	$2,141	Completed in 1987
3626.001	Bluff Springs (Pilot Knob) Reservoir	10 MG	Central	1989	$2,139	Completed in 1989
3628.001	South Central Transmission Main	48"	Central	1987	$4,578	Completed in 1987
3761.001	Green WTP Transmission Main South	48"	Central	1989	$1,572	Completed in 1989
3769.001	Bluff Springs Transmission Main II	36"	Central	1988	$1,913	Completed in 1988
3212.196	TxDOT FM 973 From FM 969 to Thyne	24"	Central	2026		Easement issues with TXDOT
2963.001	Moore's Crossing Reservoir & Transmission Main	36"	Central	1990	$2,402	Completed in 1990
13275.001	Project Connect - Austin Water Utility Support	8"/12"/16"/24" /36"/48"/66"	Central/ North/ South	2029		Moved to future, see Table 3
2127.036	Aquifer Storage and Recovery Pilot		Entire System	2027		Moved to future, see Table 3
2088.001	Parmer Ln/Howard Ln Transmission Main	48"	North	1989	$3,593	Completed in 1989
3779.001	Northtown Transmission Main	48"	North	1988	$610	Completed in 1988
3783.001	East Austin Pump Station	55 MGD	North	1989	$1,974	Completed in 1989
82.224	82/22-40 Howard Lane Reservoirs (NCAGC-MUD)	20 MG	North	1987	$3,824	Completed in 1987
2939.001	Dessau Rd Transmission Main	16"	North	1990	$934	Completed in 1990
2014.001	Martin Hill - Northwest A Pressure Zone Reservoir	34 MG	Northwest A	1988	$10,018	Completed in 1988
3897.001	Jollyville Pump Station	45 MGD	Northwest B	1989	$6,751	Completed in 1989
6935.019	Parmer & 620 Interconnect	24"	Northwest B	2021	$2,220	Completed in 2021
3616.001	Anderson Mill Reservoir	3 MG	Northwest B	1989	$4,149	Completed in 1989
2032.001	Four Points Reservoir	8 MG	Northwest C	1988	$5,194	Completed in 1988

SubProject ID	Project Description	Size	Pressure Zone	Completion Date	Cost to Build	Reason
3889.001	Canyon Creek 30" Transmission Main	30"	Northwest C	1987	$1,231	Completed in 1987
3766.001	S IH-35 Transmission Main	36"	South	1988	$2,812	Completed in 1988
1001.001	Davis Lane Reservoir SO-MUD (Add 10 to 20 MG)	10 MG	South	1988	$1,819	Completed in 1988
2006.059	Center Street Pump Station Replacement and Electrical Improvements		South	2030		Moved to future, see Table 3
6935.077	Oltorf at Travis Heights Pressure Zone Improvements	12"	South	2026		Moved to future, see Table 3
6935.078	Oltorf at Parker Lane Pressure Zone Improvements	12"	South	2027		Moved to future, see Table 3
	Southwest A Site Development CC#3-MUD	n/a	Southwest A/B/C	1988	$266	Completed in 1988
85.2265	85/22-65 Davis Lane Pump Station (VWO-MUD)	56 MGD	Southwest A/B/C	1988	$5,758	Completed in 1988
85.2276	85/22-76 SWA Storage Tank (Slaughter Lane, MR-MUD)	6 MG	Southwest A/B/C	1988	$1,256	Completed in 1988
85.2279	85/22-79 SWA TM Phases 1,1A,2,3,4A,4B (MR-MUD)	48"	Southwest A/B/C	1987	$4,501	Completed in 1987
1987.0508	Davis Lane TM (PS discharge, SO-MUD)	48"	Southwest A/B/C	1987	$220	Completed in 1987
1987.0627	SWA 48" Interconnector (MR-MUD)	48"	Southwest A/B/C	1987	$1,016	Completed in 1987
85.2277	85/22-77 Southwest B 36" Transmission Main (CC#3-MUD)	36"	Southwest B	1988	$1,130	Completed in 1988
85.2278	85/22-78 Southwest B Pump Station (CC#3 MUD)	22 MGD	Southwest B	1988	$2,290	Completed in 1988
1000.001	Southwest B Reservoir #1 (CC#3-MUD)	2 MG	Southwest B	1988	$1,903	Completed in 1988
1988.0628	Southwest B 16" Trans Main (CC#3-MUD)	16"	Southwest B	1988	$197	Completed in 1988
2127.016	Southwest Parkway Southwest B Elevated Reservoir	2 MG	Southwest B	2027		Moved to future, see Table 3
6935.025	Southwest Parkway Transmission Main	24"	Southwest B	2027		Moved to future, see Table 3
3859.001	Windmill Run Southwest B Transmission Main	36"	Southwest B	1990	$1,962	Completed in 1990

(All costs in 1000s of dollars)

Removed Wastewater Impact Fee Projects

SubProject ID	Project Description	Size	Drainage Basin	Completion Date	Cost to Build	Reason
3168.076	South Area Lift Station Improvements: Barton Creek Plaza	1MGD	Barton	2019	0	Project Replaced by Alternative
3168.139	Travis Country Lift Station Improvement - Pump Installation	2400 gpm	Barton	2017	0	Improved with O&M Budget
6943.041	Barrington Oaks Downstream Gravity Improvements Phase 2	15"	Bull	2024	0	Moved to Long Range Plan
3212.151	TxDOT IH 35 Water and Wastewater line Relocation: Rundberg to 290E Segment	8"/12"/18"	Buttermilk	2019	310	Project Replaced by Alternative
3353.105	Finspeed 30-Inch Offsite Wastewater Line	30"	Dry South	2018	0	SER Expired
3353.067	Austin Blue Sky Investments, Inc. SER 2271	12"Gravity/12"FM/1000gpmLS	Elm Creek	2006	680	Capacity Utilized by 2020
7265.014	Dessau WWTP Expansion to 0.99 MGD	.49 MGD EXP	Harris Branch	2021	0	Project Replaced by Alternative
27.7669	Lake Creek Wastewater System Improvements Contracts 1&2 (LS at capacity)	30"/36"/42"/48"	Lake Creek	1989	3,627	No longer paying interest
87.0704	Onion Creek Int Phase 3 (Slaught. To Boggy) SO-MUD	54"	Onion	1988	2,935	No longer paying interest
4197.001	ONION CRK INTRCPTR	54"	Onion	1988	1,965	No longer paying interest
4292.001	ONION CK INTER EXIST-BOGGY CK	54"	Onion	1989	2,351	No longer paying interest
89.0506	South Branch Interceptor and Extension CC#4 MUD	21"/30"	Slaughter	1988	1,295	No longer paying interest
8223.131	North Bank Upper Slaughter Cr.Int. A&B CC#3 MUD	36"	Slaughter	1988	1,650	No longer paying interest
8223.132	Slaughter Creek Interceptor Phases 1, 2A & 2B CC#3 MUD	48"/54"	Slaughter	1990	9,280	No longer paying interest
8223.132	Slaughter Creek Interceptor 1 & 2 SO-MUD	48"	Slaughter	1990	701	No longer paying interest
8223.135	Slaughter Tunnel SO-MUD	54"	Slaughter	1988	3,442	No longer paying interest
23.7642	Upper Walnut Creek Int Phases 3A,3B,4&5 NCAGC-MUD	12"/16"/30"/36"/42"/48"	Walnut	1987	6,253	No longer paying interest

SubProject ID	Project Description	Size	Drainage Basin	Completion Date	Cost to Build	Reason
85.0777	Williamson Creek 30" WW Interceptor MR-MUD	30"	Williamson	1989	500	No longer paying interest
85.0836	South Williamson Trunk Phases 1 and 2 VWO-MUD	15"/24"	Williamson	1989	919	No longer paying interest
88.0553	North Williamson Creek Int & Easements VWO MUD	42"	Williamson	1989	3,097	No longer paying interest
4221.001	WILLIAMSON CREEK INT PH II	42"	Williamson	1989	820	No longer paying interest
4534.001	OAK HILL BR. OF WMSON.CRK.INTER	30"	Williamson	1989	1,533	No longer paying interest

III. IMPACT FEE FACILITIES AND FEE CALCULATION METHODOLOGY

The facilities that provide the bulk of water and wastewater capacity for new growth in Austin's service area are listed in Tables 1 and 2 (and again in Tables 8 and 9 in Section VI). They were selected from the complete list of planned projects, including the major facilities built with contract bonds and developer contract reimbursements, according to the following criteria:

- Has the predominant function of serving new growth rather than existing customers;
- Does not provide repair, operation, or maintenance of existing facilities;
- Does not upgrade, expand, or replace existing facilities serving existing development in order to meet stricter safety, environmental or regulatory standards.

These Impact Fee projects represent the individual projects that provide capacity necessitated by new development projected to occur within the next ten years. As shown in Table 1 and Table 2, most are already built as part of the City's CIP program, with only a portion not yet constructed. Impact fee facilities are shown graphically in Map 1 and Map 2.

To determine the costs of projects attributable to new growth, the Texas Impact Fee Act outlines the following process based on quantifying the demand versus capacity relationship for projects in service areas:

1. Determine capacity of the project in service units and cost per service unit;
2. Determine future demand (capacity used up) for the project in service units for the ten-year planning period;
3. Determine the impact project cost attributable to new growth, which is the cost per service unit (step 1) multiplied by the planning period demand (step 2).
4. Determine the cost per service unit by dividing the summation of the costs of the capital improvements (step 3) by the total number of projected service units for the ten-year planning period from the Land Use Assumptions.

The complex part of this methodology is step 2, determining the capacity that will be used in an individual project during the planning period. One might add up the cost per service unit of each project to come up with a fee. This would be invalid because each new user does not use a service unit of capacity in every new project and would result in double counting. Instead, the spatial allocation of new users from the Land Use Assumptions must be used to estimate the actual usage of a given project. To implement this approach, the water and wastewater service areas were divided up into subareas: pressure zones for water and drainage areas for wastewater. Sets of projects are assigned to each subarea, and the capacity addition to the subarea system is then defined. The assumption is made that each new user in a subarea uses a service unit of the available capacity associated with the selected set of Impact Fee projects in that subarea. The structure of Tables 8 and 9 illustrates this subarea methodology.

Calculation of the impact fee is not sensitive to the length of the planning period or the number of new growth users as long as all projects have more than enough capacity for growth (in excess of capacity serving existing users) in the planning period. The calculation is more sensitive to the location of new users. If a large proportion of new users are projected to locate in areas with high cost per service unit for impact fee facilities, the calculated impact fee is correspondingly higher. If instead, more are projected to locate in areas with few or lower cost impact fee facilities, the calculated fee will be lower.

IV. SERVICE UNIT DEMAND AND CAPACITY RELATIONSHIPS

Water Service Unit Equivalency

For 2020, the total estimated residential water pumpage of 90.2 million gallons per day (MGD) at 334 gallons per day per service unit equates to 270,458 residential service units. The total 2020 population divided by residential service units results in 4.00 residents per residential unit. Similarly, the number of residential and non-residential service units for 2020 and 2030 are presented in Table 5, along with the corresponding residents per residential service units and employees per non-residential service unit.

Table 5 Land Use – Service Unit Equivalency Matrix for the Water System: Conversion for a Ten-Year Period

Year	Average Gallons / Day / Service Unit	Residential Service Units	Non-Residential Service Units	Average Residents / Residential Service Unit	Average Employees / Non-Residential Service Unit
2020	334	270,458	149,517	4.00	4.71
2030	320	330,932	177,089	3.95	4.68

Meter size selection usually involves a count of water-using fixtures and an analysis of the number of fixtures that may be used at one time, calculated by a builder, engineer or architect. The result is a determination of the flow characteristics of a structure, or other facility relating the land use, to continuous and maximum flow requirements, which in turn are compared against meter flow ratings to select a meter size. Thus, a given meter size reflects a user-defined level of use or consumption in terms of flow. The average daily flow of one service unit, defined above, was chosen as the basis of consumption in this analysis so that every customer charged an impact fee will be placed on a uniform, flow-based footing. This indicates that on an average, each meter purchaser would be expected to use about 334 gallons per day per service unit (gpd/su) in 2020 and 320 gpd/su in 2030 of meter capacity purchased. The corresponding maximum day and peak hour consumption (needed to determine the required capacity in facilities) are readily determined from the known relationships between these flows derived from flow measurements in the water pressure zones.

Service Unit Conversion Factors:

The foregoing basic service unit definitions are specific to magnitude and duration of flow, average daily pumpage in the case of water service units, and average daily flow for wastewater. Utility facilities are sized using varied design flow criteria appropriate for the type of infrastructure. To calculate the capacity of a given facility in service units the basic service unit value must be converted to the necessary design flow basis for that type of facility using the appropriate peaking factor relationship. These relationships are shown on Tables 6 and 7 along with the capacity sizing basis for each type of facility. Note for example, that for wastewater lift stations and force mains, a peaking factor of 4 is used to convert the basic wastewater service unit (298 gpd/su) to a wet weather peak basis, so that an infiltration and inflow flow component is factored into the calculation of service unit capacity.

Table 6 Water Service Unit Conversion Factors for Facility Capacity

Service Unit Flow Definition: Q/SU -- annual average flow basis
2023 analysis: 334 gpd/SU for 2020 and 320 gpd/SU for 2030. Average used for capacity calculation = **327 gpd/SU**
2018 analysis: 303 gpd/SU for 2015 and 295 gpd/SU for 2025. Average used for capacity calculation = 299 gpd/SU
2013 analysis: 388 gpd/SU for 2010 and 348 gpd/SU for 2020. Average used for capacity calculation = 368 gpd/SU

Facility	Capacity Sizing Basis	2013 Peaking Factor	2013 Service Unit Flow gpd per SU	2018 Peaking Factor	2018 Service Unit Flow gpd per SU	2023 Peaking Factor	2023 Service Unit Flow gpd per SU
Water Treatment Plant	max day flow = plant rated capacity	1.75	368 x 1.75 = 644	1.73	299 x 1.73 = 517	1.48	327 x 1.48 = 484
Pump Station	1.25 x zone max day flow = pump station rated capacity						
NWC	"	2.04	368 x 2.04 x 1.25 = 938	1.58	299 x 1.58 x 1.25 = 590	1.80	327 x 1.8 x 1.25 = 734
NWB	"	2.10	368 x 2.1 x 1.25 = 966	2.09	299 x 2.09 x 1.25 = 782	1.63	327 x 1.63 x 1.25 = 664
NWA	"	1.95	368 x 1.95 x 1.25 = 897	1.76	299 x 1.76 x 1.25 = 660	1.68	327 x 1.68 x 1.25 = 688
North	"	1.69	368 x 1.69 x 1.25 = 777	1.71	299 x 1.71 x 1.25 = 639	1.37	327 x 1.37 x 1.25 = 561
Central	"	1.40	368 x 1.4 x 1.25 = 644	1.77	299 x 1.77 x 1.25 = 661	1.46	327 x 1.46 x 1.25 = 595
South	"	1.65	368 x 1.65 x 1.25 = 759	1.68	299 x 1.68 x 1.25 = 629	1.64	327 x 1.64 x 1.25 = 669
SWA	"	2.29	368 x 2.29 x 1.25 = 1053	2.02	299 x 2.02 x 1.25 = 755	1.79	327 x 1.79 x 1.25 = 731
SWB	"	2.45	368 x 2.45 x 1.25 = 1127	2.60	299 x 2.6 x 1.25 = 972	1.96	327 x 1.96 x 1.25 = 801
SWC	"	2.61	368 x 2.61 x 1.25 = 1201	1.47	299 x 1.47 x 1.25 = 551	2.80	327 x 2.8 x 1.25 = 1142
Transmission Main	zone peak hour flow = pipe capacity at 5 fps						
NWC	"	4.09	368 x 4.09 = 1505	2.48	299 x 2.48 = 742	3.30	327 x 3.3 = 1077
NWB	"	3.82	368 x 3.82 = 1406	3.50	299 x 3.5 = 1047	2.88	327 x 2.88 = 940
NWA	"	3.15	368 x 3.15 = 1159	3.19	299 x 3.19 = 953	2.34	327 x 2.34 = 766
North	"	2.59	368 x 2.59 = 953	2.09	299 x 2.09 = 626	1.63	327 x 1.63 = 532
Central	"	1.93	368 x 1.93 = 710	2.21	299 x 2.21 = 659	1.64	327 x 1.64 = 536
South	"	2.48	368 x 2.48 = 913	1.93	299 x 1.93 = 578	1.85	327 x 1.85 = 606
SWA	"	4.01	368 x 4.01 = 1476	3.12	299 x 3.12 = 933	2.53	327 x 2.53 = 826
SWB	"	5.47	368 x 5.47 = 2013	7.12	299 x 7.12 = 2130	3.42	327 x 3.42 = 1117
SWC	"	4.99	368 x 4.99 = 1836	2.11	299 x 2.11 = 631	3.58	327 x 3.58 = 1169
Storage Tank	city volumetric criteria 200 gal/capita	na	200gal/capita x 875,936 capita / 352,521 SU = 497 gal/SU	na	200gal/capita x 972,823 capita / 393,263 SU = 495 gal/SU	na	200gal/capita x 1,081,091 capita / 419,975 SU = 515 gal/SU
Reclaimed*							
Pump Station	1.25 x reclaimed max day flow					1.81	654 x 1.81 x 1.25 = 1482
Transmission Main	reclaimed peak hour flow					2.75	654 x 2.75 = 1795
Storage Tank	twice city volumetric criteria 200 gal/capita					na	2 x 515 gal/SU = 1030

* Reclaimed flows assume 50% potable water offset

Table 7 Wastewater Service Unit Conversion Factors for Facility Capacity

Wastewater Facilities
Wastewater Service Unit Flow Definition: Q/SE – annual average flow basis
2023 – weather normalized flow based – 272 gpd/SU
2018 – total annual 2015 influent flow to all WWTPs / total number of SU – 298 gpd/SU
2013 – weather normalized flow based – 287 gpd/SU
2006 – at 61.73% return flow = 275 gpd/SU
2001 – at 65% return flow = 318 gpd/SU

Facility	Capacity Sizing Basis	2018 Peaking Factor	2018 Service Unit Flow gpd per SU	2023 Peaking Factor	2023 Service Unit Flow gpd per SU
Wastewater Treatment Plant	annual average flow = plant rated capacity	1	298x1 = 298	1	272x1 = 272
Interceptor	peak hour flow (5yr storm I/I) = 80% pipe full capacity (18" and larger) = 85% pipe full capacity (15" and smaller)	4	298x4=1192	4	272x4 = 1088
Lift Station	peak hour flow (5yr storm I/I) = rated firm capacity	4	298x4=1192	4	272x4 = 1088
Force Main	peak hour flow (5yr storm I/I) = capacity at velocity of 6 fps	4	298x4=1192	4	272x4 = 1088

V. SERVICE UNIT DEMAND PROJECTIONS

The Land Use Assumptions provide the foundation for estimating the cost of capital improvements attributable to new growth by making it possible to quantify the demand for service from those improvements. As described in the Land Use Assumptions section of this update, population and employment data are distributed by Delphi Trends Imagine Austin (DTI) polygons within the City's extraterritorial jurisdiction. The DTI polygon distribution not only allows the Utility to allocate growth to the selected impact fee service area, but it also can be translated into demands in specific areas in the water and wastewater pipe networks using a geographic information system (GIS).

The translation of population and employment demand data to flow based service units was described in the previous section. Land use data expressed in service units by Planning Area was included in Table 5 of the Land Use Assumptions. The DTI polygon information was allocated to water pressure zones and wastewater drainage areas to quantify demand by subarea. Demand sets for 2020 and 2030 were developed for the ten-year growth period.

Demand projections describing the impact fee project subareas are presented in Tables 8 and 9. All water pressure zones include impact projects; and since they do not overlap, the ten-year growth summed by zones equals the system-wide growth total. Accounting for the growth service units in wastewater project drainage areas is more complex since the drainage area of one interceptor project may be a subset of a downstream interceptor project drainage area. For example, the Slaughter Creek project drainage area is a subset of the Onion Creek project drainage area. Service unit totals by wastewater treatment plant drainage areas are also presented to indicate a system-wide total.

VI. CAPACITY AND COST ATTRIBUTABLE TO NEW GROWTH

Water and Wastewater Capacity and Costs

Table 8 for Water and Table 9 for Wastewater present the capacity and cost attributable to new growth according to the impact fee methodology outlined in Section III. The cost used in the impact fee calculation is simply the cost per service unit multiplied by the ten-year growth in service units derived from the land use assumptions for the subarea served by each set of facilities.

The following outline illustrates the methodology used to calculate the maximum impact fees allowed by law. The letters of each item correspond to the lettered columns in Tables 8 and 9.

A. The reference table to the Impact Fee project listing tables.
B. Project ID.
C. Project description. Columns A, B, and C are used to identify the Impact CIP projects.
D. Project size (the design size of the facility).
E. Pressure zone or drainage area.
F. Completion date.
G. Cost to build. The cost to build a given facility includes the cost to the City for land acquisition, engineering, and construction, along with related cost components. The cost is listed in thousands of dollars, and excludes interest.

H. Interest cost. The law allows interest to be added into the cost of a project if the impact fee will be used to repay both principal and interest. The amount of debt service assigned to each project was calculated by AW using the following assumptions: all bonds for the selected impact fee capital improvements projects were sold at the same time, an interest rate of 5.5% was assumed and the term of the bonds was thirty years. The amount of interest cost is indicated in thousands of dollars
I. Total cost to build (G plus H). Tables 8 and 9 provide cost figures with and without interest to provide a cost comparison.
J. Design capacity of impact fee new facility or expansion. Capacity of the Impact Fee projects are expressed in service units for the subarea as a whole. All of the projects in a subarea are evaluated as a group to determine the best estimate of capacity added to the subarea by the facilities acting together. Typically one project size best represents the capacity addition for the subarea as a whole. See Tables 6 and 7 for capacity equations.
K. Cost to build per service unit without interest (G divided by J).
L. Cost to build per service unit with interest (I divided by J).
M. Year 2020 land use assumptions. The population and land use level in a particular pressure zone or drainage area in the year 2020, expressed in service units.
N. Year 2030 land use assumptions. The population and land use level in a particular pressure zone or drainage area in the year 2030, expressed in service units.
O. Growth users (N minus M). The number of service units of new growth entering a particular pressure zone or drainage area in the ten-year growth period. Each service unit of new growth uses a service unit of capacity in the set of facilities making up the subarea.
P. Impact costs without interest (K times O). The cost per service unit of the facilities multiplied by the number of growth users in the specific pressure zone or drainage area, excluding interest.
Q. Impact costs with interest (L times O). The cost per service unit of the facilities multiplied by the number of growth users in the specific pressure zone or drainage area, including interest.
R. Existing users. The number of existing users (expressed in service units) whose service is enhanced by the addition of the facilities in the subarea; therefore, capacity attributable to existing needs.
S. Excess service units in the subarea (J minus R minus O). The number of service units remaining unused in the subarea impact fee facilities after the 10-year planning period.

Steps A through S define the costs of the Impact Fee projects attributable to new growth. The procedure for summing these costs to calculate the maximum allowable impact fee is presented in the next section.

Table 8 Water Impact Fee Calculation by Pressure Zone Areas

(All costs in 1000s of dollars unless preceded by "$")

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Ref. Table	Subproject ID	Project Description	Size	Pressure Zone	Completion Date	Cost to Build	Interest Cost	Total Cost to Build	Facility Design Capacity SU	Cost to Build per SU	Cost to Build per SU w/ Interest	2020 Land Use Assumptions SU	2030 Land Use Assumptions SU	10-Year Growth Users SU	Impact Cost without Interest	Impact Cost w/ Interest	2020 Benefitting Existing Users SU	2030 Excess SU After 10 years
								G+H		G/J	I/J			N-M	K x O	L x O		J-R-O
1	3353.027	Canyon Creek Subdivision Reimbursement	24"	Northwest C	2002	1,101	1,172											
1	3353.022	AMAX Self-Storage Reimbursement	24"	Northwest C	2007	169	180											
1	2006.003	Four Points and Forest Ridge Pump Station Upgrades	NWB: 5.8 MGD, NWC: 10.4 MGD	Northwest C	2007	942	838											
1	5038.002	Anderson Mill/RR 620 Transmission Main	24/36"	Northwest C	2016	4,762	5,067											
1	5038.001	Anderson Mill Northwest C Pump Station and Tank	11.2 MGD, 1.5 MG	Northwest C	2017	11,725	10,950											
		Facility Size That Determines Capacity Addition	11.2 MGD PS			18,700	18,207	36,907	15,251	1.23	2.42	8,420	9,451	1,031	1,264	**2,495**	6,315	7,905
1	1086.001	Jollyville Transmission Main Ph IIA & III	48"	Northwest B	2001	8,138	8,658											
1	1086.002	Jollyville Transmission Main Ph IIB	48"	Northwest B	2001	1,135	1,207											
1	3212.193	TXDOT FM 734 (Parmer Ln) Relocation: FM 620 to Whitestone Blvd.	36"	Northwest B	2024	6,829	7,266											
1	3353.018	Avery Ranch Service Extension	24/36/48", 3 MG	Northwest B	2015	13,691	10,556											
1	793.002	Anderson Mill Transmission Main Ph IIA & IV	24"	Northwest B	2000	2,085	2,218											
1	3041.001	Davis Springs Service Extension Reimbursement	24"	Northwest B	1997	941	-											
1	3353.038	Stone Hedge Service Extension	24"	Northwest B	2011	8,931	9,502											
1	3353.094	Pearson Ranch - RRISD (SER 2869 and 2870)	24"	Northwest B	2014	2,638	2,807											
1	793.001	Anderson Mill Transmission Main III	16"	Northwest B	2000	4,736	5,039											
		Facility Size That Determines Capacity Addition	48" TM			49,123	47,254	96,377	43,217	1.14	2.23	36,411	43,131	6,721	7,639	**14,987**	29,129	7,368
1	4814.002	Howard Lane East Transmission Main - Segment 2	36"	Northwest A	2000	4,765	5,070											
1	3212.180	TxDOT Loop 360 at Spicewood Springs Road Water & Wastewater Relocation	30"	Northwest A	2028	2,988	-											
1	3353.032	Howard Lane Service Extension	24/16"	Northwest A	2000	220	-											
1	3353.065	Schultz 45 Acre Tract Water--Wells Branch Commerce Park	24"	Northwest A	2013	304	323											
1	3212.183	TxDOT 360 at RM2222 and Courtyard Water and Wastewater Relocation	24"	Northwest A	2027	1,331	-											
1	3212.178	TxDOT Loop 360 at Westlake Drive Water & Wastewater Relocation	24"	Northwest A	2024	6,513	-											

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								G+H		G/J	I/J			N-M	K x O	L x O		J-R-O
1	3212.093	Howard Lane Projects	16"	Northwest A	2012	1,027	1,093											
1	4758.002	16" FM 1825 Interconnect	16"	Northwest A	2005	855	-											
1	3353.019	IBM/Tivoli Service Extension	16"	Northwest A	2002	341	-											
1	6935.037	Highland Park Water and Wastewater Improvements	16"	Northwest A	2025	11,261	11,981											
		Facility Size That Determines Capacity Addition	36" TM			29,606	18,468	48,074	29,827	0.99	1.61	61,206	74,450	13,244	13,145	**21,346**	9,181	7,402
1	4814.003	Howard Lane Pump Station and TM	24/36/42/54", 43/65 MGD	Northwest A/B/C	2001	15,193	16,165											
1	4814.004	Howard Lane Water Transmission Main	24/36/42/54"	Northwest A/B/C	2001	1,922	-											
		Facility Size That Determines Capacity Addition	65 MGD PS			17,115	16,165	33,280	95,063	0.18	0.35	106,037	127,032	20,995	3,780	**7,350**	47,716	26,351
1	6935.016	Jollyville Northwest A Transmission Main (Plant 4)	84"	Northwest A/B/C + North	2015	118,331	125,904	See Note 4										
1	6935.031	McNeil Road Transmission Main	72"	Northwest A/B/C + North	2027	29,489	-	See Note 4										
1	2028.001	Martin Hill Transmission Main	54"	Northwest A/B/C + North	2017	25,091	26,697											
		Facility Size That Determines Capacity Addition	84" TM			172,911	152,601	325,512	178,185	0.97	1.83	203,217	244,563	41,345	40,122	**75,531**	60,558	76,281
1	844.001	East Austin - Parmer Lane TM	48/54"	North	1997	6,657	7,083											
1	4814.001	Northeast Area Water Improvements	48"	North	1999	1,718	1,828											
1	5028.006	RMMA Redevelopment North WPZ Imp Phase 3 (SER 2278)	30"	North	2012	5,662	6,024											
1	3353.028	Wild Horse Ranch	24/36"	North	2017	5,675	6,038											
1	3353.033	Pioneer Crossing Service Extension (SER 1825), Ph II	24"	North	2004	1,245	1,325											
1	6935.003	Boyce Lane Water Main	24"	North	2018	7,570	8,054											
1	6935.033	Johnny Morris/Hwy 290 Area Water Line Extensions	24"	North	2025	2,067	-											
1	7487.002	Braker Ln Extension from Dessau Rd. to Samsung Blvd (City Funded)	24"	North	2026	5,594	-											
1	2090.003	Decker Lake 24-inch Woodlands Transmission Main (SER 1745)	24"	North	1996	1,148	1,221											
1	3353.007	Jourdan's Crossing Service Extension	24"	North	2001	194	-											
1	3353.009	Dell 24-inch Water Reimbursement	24"	North	1998	1,769	-											
1	3353.042	Parmer Park Service Extension	24"	North	2002	871	926											
1	5028.002	Robert Mueller Municipal Airport Reimbursement	16/24"	North	2007	1,154	1,228											

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								G+H		G/J	I/J			N-M	K x O	L x O		J-R-O
1	5815.002	Triangle - Infrastructure Incentives	16/24"	North	2005	413	440											
1	3212.123	CTRMA/TxDOT Utility Relocation: US290E Manor Expressway	16"/24"	North	2016	1,008	514											
1	2090.005	Johnny Morris Rd 16" Water Main	16"	North	1999	462	491											
1	2939.001	Dessau Rd Transmission Main	16"	North	1990	-	-											
1	6935.021	Austin Film Society	16"	North	2012	1,017	1,082											
1	6935.022	Springdale/290 Water Line Improvements	16"	North	2024	6,743	7,174											
1	6935.035	Howard Lane Water Main Extension	16"	North	2021	1,765	1,878											
1	3353.099	Pioneer Hill	16"	North	2016	430	458											
1	5028.004	Mueller Water Improvements Reimbursement (SER 2277), Ph II	16"	North	2008	6,130	6,522											
1	6935.039	Cameron Rd: Gregg Lane to School	12"/16"	North	2024	2,144	2,282											
1	3212.064	Harris Branch Parkway/Cameron Rd. Water Lines Relocation	12"	North	2012	168	178											
1	3212.151	TxDOT IH 35 Waterline Relocation: Rundberg to 290 East Segment	12"	North	2020	749	-											
1	2127.012	North Austin Pump Station Improvements	50 MGD	North	2023	18,687	12,200											
		Facility Size That Determines Capacity Addition	54" TM			81,040	66,948	147,989	96,643	0.84	1.53	97,180	117,531	20,350	17,065	**31,162**	24,295	51,998
1	1168.003	Ullrich to Green Transmission Main (Pipeline)	72"	Central	2000	5,598	4,746											
1	1168.004	Ullrich to Green Transmission Main (Lake Austin Tunnel)	72"	Central	2000	26,138	27,651											
1	2937.001	Springdale Rd 48" Transmission Main	48"	Central	1998	6,118	6,510											
1	3617.001	Bluff Springs (Pilot Knob) Transmission Main	48"	Central	1992	7,466	7,944											
1	3898.001	Pilot Knob Transmission Main Sector III	48"	Central	1992	1,805	1,921											
1	3901.001	Burleson Rd Transmission Main	48"	Central	1992	478	508											
1	3353.095	Whisper Valley and Indian Hills	48"	Central	2026	8,839	9,405											
1	2097.001	Elroy Transmission Main	36"	Central	2014	5,012	5,332											
1	2963.001	Moore's Crossing Reservoir & Transmission Main	36"	Central	1990	-	-											
1	3353.059	Pearce Lane Tract	36"	Central	2004	2,598	2,765											
1	3353.096	Formula One United States	24/36"	Central	2014	4,430	4,714											
1	3212.136	TxDOT Utility Relocation: US 183 Bergstrom Exprway (US 290 to SH 71)	24"/16"/12"	Central	2020	8,833	5,514											
1	6959.001	Group 30: Oltorf St E/Congress Ave-IH35	24"/12"	Central	2015	1,263	1,344											

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								G+H		G/J	I/J			N-M	K x O	L x O		J-R-O
1	2231.214	Boggy Creek at US 183 Water Line Replacement	24"	Central	2016	2,386	2,539											
1	3871.001	E Ben White Blvd Transmission Main	24"	Central	1993	3,506	3,731											
1	6935.061	Piland Triangle Interconnect	24"	Central	2023	1,837	-											
1	3353.052	Del Valle Junior High Number 2	24"	Central	2005	349	371											
1	3353.069	University Neighborhood Overlay District	24"	Central	2007	1,832	1,949											
1	3353.100	71 Commercial	24"	Central	2014	1,098	1,168											
1	3212.186	Travis County Utility Relocation - Ross Road Water Pipeline Relocation	24"	Central	2026	898	-											
1	2231.155	Elroy Road Water Rehabilitation Phase 2	16"	Central	2016	1,661	1,768											
1	2231.157	Elroy Rd Water Rehabilitation Ph 3 - FM 812 Maha Loop Water Rehab	16"	Central	2017	2,590	2,756											
1	5403.001	Rio Grande: from MLK to 24th St. Street Reconstruction & Utility Adjustment	16"	Central	2014	1,113	1,185											
1	3353.049	Robertson Hill Development	16"	Central	2008	643	685											
1	3212.133	Travis County Utility Relocation: FM 969 (Phase I): Decker Lane to FM 973	16"	Central	2019	2,965	1,068											
1	4800.028	West Campus System Improvements	12"	Central	2013	1,839	1,957											
1	4800.033	West Campus Water & WW Improvements Area 5	12"	Central	2012	4,704	5,005											
1	6055.004	E. 7th Street Improvements from Northwestern to Pleasant Valley	12"	Central	2013	729	-											
1	6055.024	Second Street District Streetscape Street Recon. & Utility Adj. Phase 3	12"	Central	2018	721	768											
1	6684.001	MLK: Rio Grande to Lamar	12"	Central	2012	826	879											
1	6960.001	Brazos St/Cesar Chavez-11th St E	12"	Central	2014	1,590	1,692											
1	6961.002	Colorado St. Reconstruction and Utility Adjustments from 7th St to 10th St	12"	Central	2020	673	716											
1	8158.001	3rd St. Reconstruction Phase 3 - Congress Ave. to Guadalupe St.	12"	Central	2019	113	-											
1	8158.002	3rd St Phase 2 - Congress Ave to Brazos St & San Jacinto Blvd to Trinity St	12"	Central	2019	124	131											
1	8158.003	3rd St. Phase 1 - Brazos St. to San Jacinto Blvd.	12"	Central	2015	252	268											
1	3353.106	Eastside Village (SER-3393) 12-Inch Water Line Improvements	12"	Central	2015	223	237											
1	3212.169	Travis County Utility Relocation: Pearce Lane at Kellam Rd Intersection	12"	Central	2025	850	-											
1	2127.012	North Austin Reservoir	8 MG	Central	2022	27,632	17,875											
		Facility Size That Determines Capacity Addition	72" TM			139,733	125,101	264,834	170,596	0.82	1.55	114,818	136,637	21,820	17,872	**33,873**	57,409	91,367

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								G+H		G/J	I/J			N-M	K x O	L x O		J-R-O
1	6937.030	S IH-35 Transmission Main, E Slaughter Ln ROW Acquisition	Sites of Seg. 17,18,19	South	2011	496	527											
1	6937.003	So. IH35 W/WW Infrastructure Improvs PMC	PMC	South	2013	8,658	9,212											
1	3353.117	Turner's Crossing	7 MGD, 24"	South	2024	819	-											
1	6937.006	S I-35, Segment 21 - Pilot Knob Reservoir 48-inch Water Main	48"	South	2013	660	703											
1	6937.010	S I-35, Segment 17/18/19 - Slaughter Ln Ext to Thaxton, 48-inch Water Main	48"	South	2012	3,200	3,405											
1	6937.015	S IH-35 Transmission Main, Segment 18&19 - E Slaughter Ln, Marble Creek to Thaxton	48"	South	2010	317	337											
1	6937.016	S I-35, Seg. 20.1/21 - Wm Cannon from McKinney Falls to Pilot Knob WTM	48"	South	2013	3,265	3,474											
1	6937.019	S I-35, Segment 20.0 - McKinney Falls Pkwy, Thaxton to Wm Cannon, 48-Inch W	48"	South	2014	3,414	3,633											
1	6937.020	S I-35, Segment 15 - Goodnight Ranch Ph I, 48-Inch Water Main	48"	South	2011	1,021	1,086											
1	6937.024	S I-35, Segment 16 - Goodnight Ranch Phase II, 48-Inch Water Main	48"	South	2012	1,370	1,458											
1	6937.009	S I-35, Seg. 13/14 - Pleasant Valley Ext., Rinard Crk to E Slaughter Ln, 42	42"	South	2013	1,872	1,992											
1	6937.012	S I-35, Segment 7 - I 35, north of FM 1327, 42-Inch Water Main	42"	South	2013	2,014	2,143											
1	6937.013	S I-35, Segment 9.0 - FM 1327, I 35 to Bradshaw Rd, 42-Inch Water Main	42"	South	2012	2,935	3,123											
1	6937.014	S I-35, Segment 9.1 - FM 1327 to Bradshaw Road north of FM 1327	42"	South	2013	3,126	3,326											
1	6937.018	S I-35, Segment 8 - I 35 Crossing North of FM 1327, 42-In Water Main	42"	South	2012	1,565	1,666											
1	6937.022	S I-35, Seg. 11/12 - S. Pleasant Val. Ext. at Legends Way, 42-In Water Main	42"	South	2013	1,943	2,068											
1	6937.023	S I-35, Segment10 - Bradshaw Rd, S of River Plantation Dr, 42-In Water Main	42"	South	2013	1,729	1,839											
1	6937.001	S IH-35 Transmission Main	36"	South	2010	40	43											
1	6937.008	S I-35, Segment 6 - I 35 South of Onion Creek, 36-Inch Water Main	36"	South	2012	1,459	1,553											
1	6937.011	S I-35, Segment 4 - I 35, N of FM 1626 to Onion Creek, 36-Inch Water Main	36"	South	2012	1,358	1,445											
1	6937.017	S I-35, Seg. 2/5 - I 35 Slaughter and Onion Crk Crossings, 36-In Water Main	36"	South	2012	7,999	8,510											
1	6937.021	S I-35, Segment 1 - I 35 Slaughter Ln to Slaughter Crk, 36-In Water Main	36"	South	2013	2,962	3,152											
1	2127.033	South I-35 Elevated Water Tank	3 MG	South	2027	13,447	14,307											
1	3353.074	Alexan Onion Creek	24/36"	South	2010	884	940											
1	3876.001	Slaughter Ln Transmission Main	24/30"	South	1992	2,673	2,845											
1	3353.062	Zachary Scott Tract Service Extension	24"	South	2009	1,241	1,320											

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1	3353.072	Goodnight Ranch	24"	South	2016	2,443	2,599											
1	6937.005	S I-35, Pilot Knob Pump Station	22 MGD	South	2014	10,732	11,419											
1	6935.059	Slaughter Lane Waterline Extension	16"	South	2017	149	-											
1	3212.104	Manchaca Rd-Ravenscroft to FM 1626	16"	South	2013	2,297	2,444											
1	3353.127	Marshall Tract	0.75 MG, 16"	South	2023	6,066	6,454											
		Facility Size That Determines Capacity Addition	48" TM			92,155	97,024	189,179	67,041	1.37	2.82	58,249	75,548	17,299	23,780	**48,816**	8,737	41,004
1	3825.001	Southwest B Camp Ben McCullough Transmission Main	16"	Southwest B	1992	504	536											
		Facility Size That Determines Capacity Addition	16" TM			504	536	1,039	4,041	0.12	0.26	9,917	11,717	1,800	224	**463**	1,983	257
1	4800.010	Southwest C Pressure Zone Pump Station	8.2 MGD	Southwest C	2006	5,868	6,105											
1	4800.021	Southwest C Pressure Zone Transmission Main Ph 2	30"	Southwest C	2007	2,326	2,424											
1	4800.022	Southwest C Pressure Zone Transmission Main Ph 1	30"	Southwest C	2007	6,076	6,372											
1	3353.025	Travis County West Developer Reimbursement Southwest C	2.1 MGD PS, 16"	Southwest C	2003	1,682	1,789											
1	4800.005	New Thomas Springs Reservoir	1.25 MG	Southwest C	2001	2,347	2,471											
		Facility Size That Determines Capacity Addition	30" TM			18,299	19,162	37,461	13,570	1.35	2.76	3,152	3,646	495	667	**1,365**	2,521	10,555
1	3353.008	Lantana Service Extension Developer Reimbursement Southwest B&C	14 MGD PS	Southwest B/C	2002	1,360	-											
		Facility Size That Determines Capacity Addition	14 MGD PS			1,360	-	1,360	15,849	0.09	0.09	13,068	15,363	2,295	197	**197**	7,841	5,713
1	3212.179	TxDOT US 290 at Oak Hill Parkway Water & Wastewater Lines Relocation	12"/16"/24"/30"	Southwest A/B/C	2027	1,393	-											
		Facility Size That Determines Capacity Addition	30" TM			1,393	-	1,393	17,302	0.08	0.08	43,691	50,751	3,530	284	**284**	0	13,772
1	3212.160	TxDOT IH 35 South Waterline Relocation: SH71/Ben White Blvd to SH 45 SE	12"/16"/24"	Central/South	2026	1,575	-											
		Facility Size That Determines Capacity Addition	24 " TM			1,575	-	1,575	18,155	0.09	0.09	173,066	212,185	3,026	262	**262**	0	15,129
1	3212.163	TxDOT IH 35 North (16) Project WL Relocation: SH 45 N to US 290	12"/16"/24"/36"/48"	Northwest A/North	2027	3,916	-											
		Facility Size That Determines Capacity Addition	48 " TM			3,916	-	3,916	65,262	0.06	0.06	158,387	191,980	8,702	522	**522**	0	56,561

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								G+H		G/J	I/J			N-M	K x O	L x O		J-R-O
1	5335.001	Ullrich WTP 160 MGD Expansion	67 MGD Exp.	Ullrich Service	2011	109,653	116,670											
1	5335.002	Ullrich Water Treatment Plant 160 MGD Expansion - Low Service Pump Station	67 MGD Exp.	Ullrich Service	2006	2,596	2,762											
		Facility Size That Determines Capacity Addition	67 MGD			112,248	119,432	231,680	138,532	0.81	1.67	See Notes 1 and 2		46,061	37,322	**77,032**	See Note 3	
1	6683.002	Water Treatment Plant No. 4	50 MGD	Plant 4 Service	2017	100,579	104,831											
1	6683.007	Water Treatment Plant No. 4 - Property Fencing	50 MGD	Plant 4 Service	2009	368	391											
1	6683.009	Water Treatment Plant #4- Environmental Commissioning	50 MGD	Plant 4 Service	2017	2,839	3,019											
1	6683.010	WTP 4-Plant Site Storm Water Facilities	50 MGD	Plant 4 Service	2011	3,327	3,540											
1	6683.013	WTP4 Raw Water Pump Station Excavation and Stormwater Facilities	50 MGD	Plant 4 Service	2012	3,435	3,654											
1	6683.014	Water Treatment Plant No. 4 Raw Water Pump Station Facility	50 MGD	Plant 4 Service	2014	7,392	7,866											
1	6683.018	Value Engineering	50 MGD	Plant 4 Service	2011	574	610											
1	6683.019	Water Treatment Plant #4 - Construction Manager at Risk	50 MGD	Plant 4 Service	2015	290,537	280,987											
1	6683.020	WTP4 Bullick Hollow Roadway Improvements	50 MGD	Plant 4 Service	2011	1,081	1,150											
		Facility Size That Determines Capacity Addition	50 MGD			410,131	406,049	816,180	103,382	3.97	7.89	See Notes 1 and 2		41,985	166,562	**331,467**	See Note 3	
1	8702.003	Shaw Lane Sludge Facility Improvements	616,000 CY	Entire System	2026	5,671	6,034		See Note 5									
		Facility Size That Determines Capacity Addition				5,671	6,034	11,705	155,554	0.04	0.08	-	37,241	37,241	1,358	**2,802**	0	See Note 5
1	5267.025	Onion Creek Reclaimed Water Main Phase 1	16-inch	Reclaimed South	2024	12,074	12,847											
1	5267.041	Oltorf Street Reclaimed Water Main Phase 1	24/30-inch	Reclaimed South	2024	5,781	6,151											
1	5267.042	Oltorf Street Reclaimed Water Main Phase 2	24-inch	Reclaimed South	2024	7,930	8,437											
1	5267.044	Barton South Congress Reclaimed Water Main	24-inch	Reclaimed South	2026	5,715	6,080											
1	5267.075	Travis Heights Reclaimed Water Main	24-inch	Reclaimed South	2026	6,811	7,247											
1	5267.082	ABIA North Reclaimed Loop Main	16-inch	Reclaimed South	2024	1,925	-											
1	5267.093	SAR WWTP Reclaimed Water Pump Station Expansion	16-inch	Reclaimed South	2026	980	1,043											
1	5267.097	West Riverside Reclaimed Water Main	6/12/16-inch	Reclaimed South	2027	5,683	6,047											

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Ref. Table	Subproject ID	Project Description	Size	Pressure Zone	Completion Date	Cost to Build	Interest Cost	Total Cost to Build	Facility Design Capacity SU	Cost to Build per SU	Cost to Build per SU w/ Interest	2020 Land Use Assumptions SU	2030 Land Use Assumptions SU	10-Year Growth Users SU	Impact Cost without Interest	Impact Cost w/ Interest	2020 Benefitting Existing Users SU	2030 Excess SU After 10 years
								G+H		G/J	I/J			N-M	K x O	L x O		J-R-O
		Facility Size That Determines Capacity Addition				46,899	47,852	94,751	8,839	5.31	10.72	3,692	6,386	2,694	14,292	**28,875**	0	6,145
							TOTAL	**2,343,213**										

Note 1 Davis WTP is assumed to serve the same number of service units in 2020 and 2030.

Note 2 It is assumed that existing and new growth units in the North/NW pressure zones are assigned to Handcox WTP (WTP4), that Davis WTP will serve existing units in the Central/North zones, and that Ullrich WTP will serve existing and new growth units in the Central/South/SW zones.

Note 3 Recognizing that the flow per service unit may continue to change over time, the 2030 system remaining capacity is 94.4 MGD and 195,041 service units in the present analysis.

Note 4 Capacity of the Jollyville and Martin Hill TMs is calculated based on the maximum day peaking factor in the same manner as the plants since these major TMs operate in the same flow regime as the plant the feeds them.

Note 5 The Shaw Lane Sludge Facility remaining storage volume in the Far West Pit is estimated at about 1.31M cubic yards, which equates to approximately 15 years of storage at projected residuals production rates.

Service Unit and System-wide Impact Cost Totals	**88,046**	346,358	**678,830**
Calculated rate revenue credit per state law & defeasance savings (See Appendix A)			**-249,000**
Resultant amount to be used for calculating maximum allowable impact fee			**429,830**
Maximum Allowable Impact Fee			**$4,882**

Table 9 Wastewater Impact Fee Calculation by Collection Drainage Areas

(All costs in 1000s of dollars unless preceded by “$”)

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Ref. Table	Subproject ID	Project Description	Size	Drainage Basin Facility Area	Completion Date	Cost to Build	Interest Cost	Total Cost to Build	Facility Design Capacity SU	Cost to Build per SU	Cost to Build per SU w/ Interest	2020 Land Use Assumptions SU	2030 Land Use Assumptions SU	10-Year Growth Users SU	Impact Cost w/o Interest	Impact Cost w/ Interest	2020 Existing Users SU	2030 Excess SU After 10 years
								G+H		G/J	I/J			N-M	K x O	L x O		J-R-O
2	3212.057	TxDOT Utility Relocation: FM 973 at Colorado River	10" FM	Colorado River	2017	1,559	1,659											
		Facility Size that Defines Capacity Addition	10" FM	973 @ Colorado River		1,559	1,659	3,218	2,174	0.72	1.48	364	380	15	11	**23**	364	1,795
2	3353.006	Travis Country Service Extension	21"	Williamson	1997	41	43											
		Facility Size that Defines Capacity Addition	21" @ 0.40%	Barton to Williamson		41	43	84	4,759	0.01	0.02	2,590	2,894	303	3	**5**	2,590	1,866
2	3351.001	Cullen/Southland Acquisition	12"FM/18"	Bear/Slaughter	1997	761	0											
2	3353.054	Marbridge Farms Wastewater	350 gpm LS	Bear	2007	217	231											
2	3168.109	Marbridge Lift Station Improvements	430 gpm	Bear	2016	27	0											
2	6943.055	Southland Oaks Wastewater Improvements	30"	Slaughter	2022	2,449	2,605											
2	3168.138	Southland Oaks Lift Station Wet Well Conversion	2100 gpm	Bear	2026	2,186	0											
		Facility Size that Defines Capacity Addition	30" @ 0.72%	Bear/Slaughter		5,640	2,837	8,476	16,529	0.34	0.51	1,398	1,744	346	118	**177**	1,398	14,785
2	2231.401	Concordia Neighborhood Water and Wastewater Pipeline Renewal Project	12"	Lower Boggy	2030	1,091	1,161											
2	3168.043	Boggy Creek LS Upgrade	25 MGD	Lower Boggy	2016	4,120	4,384											
2	3168.077	Gonzales Lift Station Abandonment	18"	Lower Boggy	2018	1,960	0											
2	5028.005	RMMA Redevelopment South WW Improvements (SER 2281)	15"	Lower Tannehill	2008	1,397	1,487											
2	6943.025	Boggy Creek Lift Station Force Main Extension	36" FM	Carson	2027	13,685	13,521											
2	11886.005	Airport Boulevard - MLK Jr. Blvd to US 183	12"/15"	Lower Boggy	2025	470	0											
		Facility Size that Defines Capacity Addition	25 MGD LS	Boggy LS		22,724	20,553	43,277	22,963	0.99	1.88	8,106	9,500	1,394	1,379	**2,627**	8,106	13,463

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Ref. Table	Subproject ID	Project Description	Size	Drainage Basin Facility Area	Completion Date	Cost to Build	Interest Cost	Total Cost to Build	Facility Design Capacity SU	Cost to Build per SU	Cost to Build per SU w/ Interest	2020 Land Use Assumptions SU	2030 Land Use Assumptions SU	10-Year Growth Users SU	Impact Cost w/o Interest	Impact Cost w/ Interest	2020 Existing Users SU	2030 Excess SU After 10 years
								G+H		G/J	I/J			N-M	K x O	L x O		J-R-O
2	6943.033	Brushy Creek WW Improvements-Southwest Interceptor/Lake Creek Interceptor	36"	Brushy Creek	2016	998	1,062											
2	7265.04	Brushy Creek Regional Wastewater Treatment Plant Expansion Participation	2.47 MGD exp	Brushy Creek	2023	45,041	47,924											
		Facility Size that Defines Capacity Addition	2.47 MGD	Brushy Creek to Brushy WWTP		46,039	48,986	95,025	9,075	5.07	10.47	4,794	6,915	2,121	10,762	**22,213**	0	6,954
2	6943.029	Barrington Way Force Main Reroute and Gravity System Upgrade	15"	Bull	2017	2,638	0											
		Facility Size that Defines Capacity Addition	15" @ 0.22%	Bull/Barrington		2,638	0	2,638	1,529	1.73	1.73	1,243	1,376	132	228	**228**	1,243	153
2	2231.327	Bull Creek Basin Wastewater Pipelines Renewal	18"/24"	Bull	2019	258	0											
2	6943.087	Boulder Lane at Crossland Drive Wastewater Improvements	15"	Bull	2029	200	0											
		Facility Size that Defines Capacity Addition	18" @ 0.71%	Bull/Canyon Creek		458	0	458	4,203	0.11	0.11	1,119	1,207	87	10	**10**	1,119	2,997
2	3168.118	Northwest Area Lift Station Improvements: Four Points Center Lift Station	1700 gpm	Bull	2026	2,419	0											
2	6943.032	Four Points Center Forcemain Improvements	12" FM	Bull	2018	1,357	1,444											
		Facility Size that Defines Capacity Addition	12" FM, 1700 gpm LS	Bull/Four Points Center		3,776	1,444	5,219	2,249	1.68	2.32	729	760	31	52	**71**	729	1,489
2	3168.057	Rock Harbour Lift Station Improvements	2387 gpm	Bull	2026	6,426	6,837											
2	3168.085	Northwest Area Lift Station Improvements: Boulder Lane Lift Station	1600gpmLS/18"gravity/ 15"gravity	Bull	2027	5,351	0											
		Facility Size that Defines Capacity Addition	2387 gpm LS	Bull/Rock Harbour		11,776	6,837	18,613	3,157	3.73	5.90	1,767	1,972	205	765	**1,209**	1,767	1,185

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Ref. Table	Subproject ID	Project Description	Size	Drainage Basin Facility Area	Completion Date	Cost to Build	Interest Cost	Total Cost to Build	Facility Design Capacity SU	Cost to Build per SU	Cost to Build per SU w/ Interest	2020 Land Use Assumptions SU	2030 Land Use Assumptions SU	10-Year Growth Users SU	Impact Cost w/o Interest	Impact Cost w/ Interest	2020 Existing Users SU	2030 Excess SU After 10 years
								G+H		G/J	I/J			N-M	K x O	L x O		J-R-O
2	3353.102	Fort Dessau	18"/24"/FM/750gpmLS	Harris Branch	2016	1,417	1,508											
2	3353.125	Entrada Subdivision	8" FM / 0.97 MGD LS	Dessau	2023	1,128	0											
2	4769.023	Dessau Wastewater Treatment Plant Relief Interceptor	42"	Harris Branch	2029	240	0											
2	7265.002	Purchase of Dessau Utilities	.5 MGD plant/4100 gpm LS/16" FM/284 gpm LS/6"FM	Harris Branch	2006	2,095	0											
2	7265.061	Dessau WWTP Interim Improvements	10" FM / 0.73 MGD LS	Dessau	2022	712	757											
		Facility Size that Defines Capacity Addition	WWTP 0.5 MGD +0.73/4 = .68 MGD	Dessau WWTP		5,593	2,265	7,858	2,498	2.24	3.15	4,834	5,724	890	1,993	**2,800**	4,834	Note 2
2	3168.037	Pearce Lane Lift Station Upgrade	900 gpm exp	Dry South	2014	61	0											
2	3168.059	South Area Lift Station Improvements: Pearce Lane Upgrades	4500 gpm	Dry South	2021	125	0											
2	3353.096	Formula One United States	30"	Dry South	2016	6,267	0											
2	3353.103	Moore's Crossing MUD Lift Station Interceptor WW Service Extension Plan	21"	Dry South	2017	75	80											
2	3353.118	Longview Offsite Utilities Phase 1	16" FM	Dry South	2022	2	0											
		Facility Size that Defines Capacity Addition	30" @ 0.06%	Dry South		6,530	80	6,611	4,771	1.37	1.39	1,836	3,100	1,264	1,730	**1,751**	1,836	1,671
2	3353.013	Metro Center Services Extension	24"	Carson	2000	151	0											
		Facility Size that Defines Capacity Addition	24" @ 0.44%	East Carson		151	0	151	7,159	0.02	0.02	1,114	1,570	456	10	**10**	1,114	5,589
2	11891.003	E MLK Jr Blvd / FM 969 - US 183 to Decker LN	24"/30"/36"	Walnut/Johnny Morris	2027	2,821	0											
		Facility Size that Defines Capacity Addition	24" @ 0.35%	Elm Creek/Walnut		2,821	0	2,821	6,356	0.44	0.44	717	1,066	349	155	**155**	717	5,290
2	6943.035	FM 973 Wastewater Line Improvements	15"/18"	Onion	2018	1,967	0											
		Facility Size that Defines Capacity Addition	18" @ 0.21%	FM 973		1,967	0	1,967	2,286	0.86	0.86	308	790	482	415	**415**	308	1,496
2	5481.001	Downtown Wastewater Tunnel	42"/48"/54"/78"/90"	Govalle/SAR	2015	57,722	52,686											
		Facility Size that Defines Capacity Addition	90" @ 0.05%	Govalle/SAR		57,722	52,686	110,409	81,546	0.71	1.35	33,415	39,283	5,868	4,154	**7,945**	33,415	42,262

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Ref. Table	Subproject ID	Project Description	Size	Drainage Basin Facility Area	Completion Date	Cost to Build	Interest Cost	Total Cost to Build	Facility Design Capacity SU	Cost to Build per SU	Cost to Build per SU w/ Interest	2020 Land Use Assumptions SU	2030 Land Use Assumptions SU	10-Year Growth Users SU	Impact Cost w/o Interest	Impact Cost w/ Interest	2020 Existing Users SU	2030 Excess SU After 10 years
								G+H		G/J	I/J			N-M	K x O	L x O		J-R-O
2	4926.1	ACWP-govalle 2-Harpers Branch WW Replacement	30"	Harpers Branch	2009	8,392	8,930											
2	6943.043	Harpers Branch Creek Wastewater Interceptor	15"/18"	Harpers Branch	2025	1,116	0											
		Facility Size that Defines Capacity Addition	30" @ 0.33%	Harpers Branch		9,508	8,930	18,438	11,190	0.85	1.65	1,036	1,313	277	236	**457**	1,036	9,877
2	3041.001	Davis Springs Reimbursement	21"Gravity/16"FM/3600 gpmLS #1	Lake Creek	1996	2,042	603											
2	3168.024	Balcones LS Relief - Phase I & 3A	8"/12"/18"/24"	Lake Creek	2005	1,775	1,091											
2	3168.029	Balcones LS Relief - Phase IIIC	18"/24"	Lake Creek	2002	1,577	1,678											
2	3353.091	Pearson Avery Ranch	12/24/FM/1100gpmLS	Lake Creek	2016	2,827	3,008											
2	3353.093	Lakeline Condos-Gencap Partners SER 2846	8"/15" gravity/10"FM/1100gpm LS	Lake Creek	2014	1,341	1,427											
2	3353.122	Pearson Ranch West SER	1900gpmLS/24"gravity/ 30"gravity	Lake Creek	2022	2,200	2,341											
2	6943.004	Parmer Lane Interceptor	42"	Lake Creek/Rattan	2021	37,989	38,615											
		Facility Size that Defines Capacity Addition	42" @ 0.164%	Lake Creek/Rattan		49,751	48,763	98,513	19,350	2.57	5.09	20,954	25,813	4,859	12,493	**24,737**	20,954	Note 2
2	3212.163	TxDOT IH 35 North (16) Project WL Relocation: SH 45 N to US 290	24"	Little Walnut	2022	3,916	0											
2	4926.021	ACWP - Little Walnut/Buttermilk @ 290 & 183	42"	Little Walnut	2010	1,979	2,105											
2	4926.023	ACWP-Little Walnut/Buttermilk @ Centre Creek	42"	Little Walnut	2009	4,776	5,082											
2	4926.028	ACWP - Little Walnut/Buttermilk - South	8"/42"/60"	Little Walnut	2009	17,039	11,838											
2	5754.086	Little Walnut Creek - Flood Risk Reduction from Metric to Rutland	12"/15"/18"/30"	Little Walnut	2024	3,138	0											
2	13275.002	Wastewater Upsize and Relocation at Rundberg Ln & Delta Dr- McKalla Station	42"	Little Walnut	2025	527	0											
2	6943.08	Park Village Drive Wastewater Improvements	18"/24"	Little Walnut	2027	4,390	0											
		Facility Size that Defines Capacity Addition	60" @ 0.35%	Little Walnut/Buttermilk		35,764	19,025	54,788	72,966	0.49	0.75	28,988	35,554	6,566	3,218	**4,930**	28,988	37,413
2	3353.049	Robertson Hill Development	12"	Lower Waller	2008	693	738											
		Facility Size that Defines Capacity Addition	12" @ 0.34%	Lower Waller		693	738	1,431	1,048	0.66	1.37	302	363	62	41	**84**	302	685

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
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								G+H		G/J	I/J			N-M	K x O	L x O		J-R-O
2	3168.125	South Area Lift Station Improvements: Springfield Lift Station Abandonment	36"	Onion	2030	4,359	0											
2	3353.119	116 Ac Thaxton Road Tract	30"/1710 gpm LS/24"	Marble	2023	13,594	0											
		Facility Size that Defines Capacity Addition	36" @ 0.15%	Marble/Onion		17,953	0	17,953	12,268	1.46	1.46	2,917	3,596	679	993	**993**	2,917	8,672
2	6937.003	So. IH35 W/WW Infrastructure Improvs PMC	NA	Onion	2013	4,516	4,120											
2	6937.026	S I-35, Onion Creek Golf Course WW Int - I 35 to Rinard (South Tunnel)	42"	Onion	2016	10,843	11,537											
2	3212.137	TxDOT Utility Relocation: SH 71 East of US 183 to Onion Creek - Toll Road	15"	Onion	2018	1,753	1,865											
2	3353.126	Stillwater Old San Antonio Rd	815 gpm/8" FM	Onion	2023	1,931	2,054											
2	6937.025	S I-35, Onion Creek Wastewater Interceptor - Rinard to Slaughter (N Tunnel)	54"	Onion	2017	13,503	14,367											
2	6937.027	S I-35, Onion Creek Wastewater Tie-in Line - Phase 1	24"	Onion	2012	2,410	2,564											
		Facility Size that Defines Capacity Addition	54" @ 0.10%	Onion		34,955	36,507	71,463	29,533	1.18	2.42	31,987	39,101	7,114	8,420	**17,213**	31,987	Note 2
2	3353.062	Zachary Scott Tract SER	36"	Rinard	2012	8,249	6,320											
2	3353.084	Legends Way	30"	Rinard	2016	1,905	2,027											
2	3353.107	Bella Fortuna Wastewater Interceptor (formerly Buratti Subdivision)	18"/21"	Onion/Rinard	2022	1,022	1,088											
2	3353.117	Turner's Crossing	12" FM/1710 gpm LS/24"	Rinard	2024	1,052	0											
		Facility Size that Defines Capacity Addition	36" @ 0.12%	Onion/Rinard		12,228	9,434	21,662	10,973	1.11	1.97	714	841	127	142	**252**	714	10,131
2	4926.097	ACWP-Govalle 4-Waller Pedernales WW Imprvs	36"	Pedernales	2012	16,165	17,199											
		Facility Size that Defines Capacity Addition	36" @ 0.30%	Pedernales		16,165	17,199	33,364	17,350	0.93	1.92	1,326	1,719	393	366	**755**	1,326	15,631

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
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								G+H		G/J	I/J			N-M	K x O	L x O		J-R-O
2	3353.071	Rancho Alto Ventures	481 gpm LS, FM	Bear	2008	442	470											
		Facility Size that Defines Capacity Addition	481 gpm LS	Rancho Alto		442	470	912	636	0.69	1.43	414	580	166	116	**238**	414	56
2	3333.001	SAR Expansion & Improvements Project	25 MGD exp	SAR WWTP	2006	19,262	20,494											
2	3333.005	SAR Lift Station Interconnect Tunnel	25 MGD exp	SAR WWTP	2006	3,941	4,194											
2	3333.006	SAR Train C South	25 MGD exp	SAR WWTP	2006	29,426	24,745											
2	3333.007	SAR Train C North	25 MGD exp	SAR WWTP	2006	28,497	27,285											
2	3333.008	SAR New Electrical Substation and Miscellaneous Areas	25 MGD exp	SAR WWTP	2007	13,276	14,126											
		Facility Size that Defines Capacity Addition	25 MGD expansion	SAR WWTP		94,402	90,843	185,245	91,851	1.03	2.02	188,936	229,209	40,273	41,392	**81,223**	0	51,578
2	3353.016	Akin High School Reimbursement	18"	Slaughter	2000	459	0											
		Facility Size that Defines Capacity Addition	18" @ 0.28%	Slaughter		459	0	459	2,640	0.17	0.17	714	841	127	22	**22**	714	1,798
2	3353.095	Whisper Valley and Indian Hills Public Improvement Districts	30"Gravity/LS/0.1 MGD TP	Gilleland	2024	1,921	2,044											
		Facility Size that Defines Capacity Addition	30" @ 0.2%	Taylor Lane WWTP		1,921	2,044	3,965	8,711	0.22	0.46	130	1,104	974	215	**443**	130	7,608
2	6943.045	Upper Boggy West - Cherrywood Wastewater Line Improvements	12"/15"/24"/36"	Upper Boggy	2027	6,978	0											
		Facility Size that Defines Capacity Addition	36" @ 0.29%	Upper Boggy		6,978	0	6,978	17,058	0.41	0.41	2,015	2,508	493	202	**202**	2,015	14,550
2	5028.003	RMMA-Airport Rd WW Improvs Phase Two (SER 2279)	15"/18"/24"	Upper Boggy	2009	2,135	2,271											
2	5028.007	RMMA Redevelopment Catellus SER #2263	12"/15"	Upper Boggy	2012	474	504											
		Facility Size that Defines Capacity Addition	24" @ 0.54%	Upper Boggy/Mueller		2,609	2,776	5,384	7,895	0.33	0.68	982	1,125	143	47	**97**	982	6,770

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
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								G+H		G/J	I/J			N-M	K x O	L x O		J-R-O
2	2231.307	Rosedale North Water and Wastewater Pipeline Renewal Phase 2	12"	Upper Shoal	2023	921	0											
2	4926.037	ACWP - Shoal Creek WW Improvements / 29th to 34th St.	8"/12"/66"	Upper Shoal	2006	12,429	13,225											
2	2231.455	Burrell Drive Wastewater Improvements	12"	Upper Shoal	2020	1,210	1,287											
		Facility Size that Defines Capacity Addition	66" @ 0.36%	Upper Shoal		14,560	14,512	29,071	95,690	0.15	0.30	24,165	29,165	5,000	761	**1,519**	24,165	66,525
2	3212.116	Hwy 290 & Airport Blvd WWL Relocation	15"	Upper Tannehill	2014	399	425											
2	3353.115	Austin Community College Wastewater Line E (SER-3145)	24"/30"	Upper Tannehill	2022	2,390	2,543											
		Facility Size that Defines Capacity Addition	30" @ 0.15%	Upper Tannehill/ACC		2,789	2,968	5,757	7,544	0.37	0.76	1,675	2,299	625	231	**477**	1,675	5,245
2	6943.075	Cameron Road Wastewater Improvements	18"/30"	Upper Tannehill	2028	6,896	0											
		Facility Size that Defines Capacity Addition	30" @ 0.25%	Upper Tannehill/Cameron		6,896	0	6,896	9,740	0.71	0.71	1,154	1,360	206	146	**146**	1,154	8,380
2	5028.007	RMMA SE WW Improvements (SER 2282)	15"/30"	Upper Tannehill	2012	5,715	3,379											
		Facility Size that Defines Capacity Addition	15" @ 1.10%	Upper Tannehill/Mueller		5,715	3,379	9,093	3,419	1.67	2.66	602	674	72	120	**191**	602	2,745
2	2231.122	Airport at Chesterfield Wastewater Improvements	12"/15"/18"/24"	Upper Waller	2015	9,544	1,738											
		Facility Size that Defines Capacity Addition	24" @ 0.5%	Upper Waller		9,544	1,738	11,282	7,597	1.26	1.49	3,986	4,986	1,000	1,256	**1,484**	3,986	2,611
2	5815.002	Triangle - Infrastructure Incentives	18"	Upper Waller	2006	1,193	1,269											
		Facility Size that Defines Capacity Addition	18" @ 0.273%	Upper Waller/Triangle		1,193	1,269	2,462	2,606	0.46	0.94	1,996	2,225	229	105	**216**	1,996	381

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Ref. Table	Subproject ID	Project Description	Size	Drainage Basin Facility Area	Completion Date	Cost to Build	Interest Cost	Total Cost to Build	Facility Design Capacity SU	Cost to Build per SU	Cost to Build per SU w/ Interest	2020 Land Use Assumptions SU	2030 Land Use Assumptions SU	10-Year Growth Users SU	Impact Cost w/o Interest	Impact Cost w/ Interest	2020 Existing Users SU	2030 Excess SU After 10 years
								G+H		G/J	I/J			N-M	K x O	L x O		J-R-O
2	3023.003	Walnut Creek WWTP	15 MGD exp	Walnut WWTP	2004	20,474	21,784											
2	3023.017	Walnut Creek WWTP 75 MGD Upgrade	15 MGD exp	Walnut WWTP	2004	27,614	18,739											
2	3023.019	Walnut Creek WWTP Headworks Improvements	25 MGD	Walnut WWTP	2028	46,898	49,899											
2	3023.046	Walnut Creek WWTP Expansion to 100 Million Gallons Per Day	25 MGD EXP	Walnut WWTP	2029	472,989	486,506											
2	3023.059	Walnut Creek Wastewater Treatment Plant Influent Lift Station	18 MGD (Ph 1), 23 MGD (Ph 2)	Walnut WWTP	2027	12,961	0											
2	4579.001	WALNUT CREEK WWTP, PH III	15 MGD exp	Walnut WWTP	2004	15,483	16,474											
		Facility Size that Defines Capacity Addition	15 MGD & 25 MGD expansions	Walnut Creek WWTP		596,418	593,401	1,189,819	146,962	4.06	8.10	196,552	232,347	35,795	145,268	**289,801**	2,682	108,485
2	3353.011	Dell 18	18"	Walnut	2000	652	0											
		Facility Size that Defines Capacity Addition	18" @ 0.5%	Walnut/Dell		652	0	652	3,527	0.18	0.18	3,336	3,813	477	88	**88**	3,336	Note 1
2	3353.123	East Parke Subdivision Phase 1 Lift Station	10"FM/1600gpmLS	Walnut	2022	2,787	2,965											
		Facility Size that Defines Capacity Addition	1600 gpm LS	Walnut/East Parke		2,787	2,965	5,752	2,116	1.32	2.72	569	708	139	183	**378**	569	1,409
2	3353.007	Jourdan's Crossing Service Extension	12"/18"/36"/48"	Walnut	1998	2,406	0											
		Facility Size that Defines Capacity Addition	48" @ 0.074%	Walnut/Samsung		2,406	0	2,406	18,557	0.13	0.13	339	1,038	699	91	**91**	339	17,520
2	3168.039	Waters Park Relief Main	36"	Walnut	2018	6,488	6,903											
		Facility Size that Defines Capacity Addition	36" @ 0.65%	Walnut/Waters Park		6,488	6,903	13,390	25,538	0.25	0.52	22,692	27,682	4,990	1,268	**2,616**	22,692	Note 1
2	11887.003	South Lamar Boulevard Corridor: Barton Springs Road to US 290	12"/15"/18"/24"	West Bouldin	2026	1,918	2,040											
		Facility Size that Defines Capacity Addition	24" @ 0.5%	West Bouldin		1,918	2,040	3,958	7,597	0.25	0.52	1,237	1,653	416	105	**217**	1,237	5,943
2	3353.112	Del Curto Road Wastewater Improvements (SER-3486R2)	15"	West Bouldin	2017	306	325											
2	6943.026	Barton Creek Plaza Lift Station Downstream Improvements	15"/24"	West Bouldin	2026	5,310	0											
		Facility Size that Defines Capacity Addition	24" @ 0.5%	West Bouldin - Del Curto System		5,616	325	5,941	7,597	0.74	0.78	2,272	3,092	820	606	**641**	2,272	4,504

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Ref. Table	Subproject ID	Project Description	Size	Drainage Basin Facility Area	Completion Date	Cost to Build	Interest Cost	Total Cost to Build	Facility Design Capacity SU	Cost to Build per SU	Cost to Build per SU w/ Interest	2020 Land Use Assumptions SU	2030 Land Use Assumptions SU	10-Year Growth Users SU	Impact Cost w/o Interest	Impact Cost w/ Interest	2020 Existing Users SU	2030 Excess SU After 10 years
								G+H		G/J	I/J			N-M	K x O	L x O		J-R-O
2	3212.136	TxDOT Utility Relocation: US 183 Bergstrom Expressway (US 290 to SH 71)	24"/30"	Lower Boggy/Colorado/Carson	2019	5,222	5,556											
2	6943.034	Carson Creek Basin Wastewater Line Improvements	18"/24"	Carson	2022	2,833	3,014											
2	6943.069	Ponca Street Wastewater Improvements	18"	Carson	2030	1,836	0											
		Facility Size that Defines Capacity Addition	24" @ 0.44%	West Carson		9,890	8,570	18,460	7,086	1.40	2.61	3,358	3,794	437	609	**1,138**	3,358	3,292
2	4769.011	Upper Harris Branch Wastewater Interceptor - Phase 1	42"	Harris Branch	2028	19,092	20,314											
2	4769.022	Upper Harris Branch Wastewater Interceptor - Phase 2	42"	Harris Branch	2028	22,842	24,304											
2	3353.028	Wild Horse Ranch	8"/12"/18"/21"/24"/27"/36"	Decker/Gilleland	2018	4,090	4,352											
2	3353.076	Wildhorse Addition	12"/18"	Gilleland	2009	793	843											
2	3353.077	Scots Glen	18"	Gilleland	2009	845	1											
2	3353.101	Bellingham Meadows/Wm. Wallace Way Lift Station Wastewater Relief Main	15"/18"	Gilleland	2017	2,339	2,489											
2	4769.002	NE AREA INTERIM WWTP	20"FM/30"gravity/0.75 MGD plant	Gilleland	2008	8,763	9,324											
2	4769.006	Wildhorse North Interceptor	8"/18"/36"	Gilleland	2005	2,369	2,520											
2	4769.008	Wildhorse Northwest Interceptor Phase 2	12"/18"/21"/24"/27"/30"	Decker/Gilleland	2013	2,649	0											
2	4769.01	Harris Branch Interceptor Lower A	12"/30"/36"	Harris Branch	2018	8,006	8,518											
2	4769.015	Wildhorse North Interceptor Ext No. of 290	42"	Gilleland	2015	3,693	3,929											
2	4769.018	Harris Branch Interceptor Lower B	36"	Harris Branch/Gilleland	2016	6,580	947											
2	7265.004	Wild Horse Ranch Wastewater Treatment Plant Expansion	1.5 MGD exp	Gilleland	2030	45,572	48,170											
		Facility Size that Defines Capacity Addition	WWTP Expansion to 2.25 MGD	Wild Horse WWTP		127,631	125,711	253,342	8,267	15.44	30.65	2,891	4,452	1,561	24,095	**47,828**	0	3,815
2	2231.32	Westgate Neighborhood Wastewater Pipeline Renewal	12"/15"	Williamson	2030	5,002	0											
2	6943.031	Williamson Creek Wastewater Interceptor	66"/72"	Williamson	2029	64,458	68,583											
2	6943.071	Pino Lane Wastewater Improvements	18"	Williamson	2027	1,254	1,334											
		Facility Size that Defines Capacity Addition	72" @ 0.30%	Williamson		70,714	69,917	140,631	110,166	0.64	1.28	39,280	44,399	5,119	3,286	**6,535**	39,280	65,766

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Ref. Table	Subproject ID	Project Description	Size	Drainage Basin Facility Area	Completion Date	Cost to Build	Interest Cost	Total Cost to Build	Facility Design Capacity SU	Cost to Build per SU	Cost to Build per SU w/ Interest	2020 Land Use Assumptions SU	2030 Land Use Assumptions SU	10-Year Growth Users SU	Impact Cost w/o Interest	Impact Cost w/ Interest	2020 Existing Users SU	2030 Excess SU After 10 years
								G+H		G/J	I/J			N-M	K x O	L x O		J-R-O
2	6943.073	Stassney Lane and Teri Road Wastewater Improvements	24"	Williamson	2027	1,373	1,461											
		Facility Size that Defines Capacity Addition	24" @ 0.84%	Williamson/Onion		1,373	1,461	2,834	9,847	0.14	0.29	1,737	1,795	58	8	**17**	1,737	8,052

Note 1 The main interceptor in this group will reach capacity in the 10-year planning period according to the standard criteria. By allowing the pipe to go beyond 80% full, it will provide capacity for growth during the remaining few years of the financing period, after which time it will move off the Impact Fee.

Note 2 Flow meter and modeling data indicate that the main interceptor in this group does currently have available capacity for new customers. The flows in this interceptor may reach capacity in the 10-year planning period, and by allowing the pipe to flow beyond 80% full, it will provide capacity for growth during the remaining few years of the financing period, after which time it will move off the Impact Fee.

Service Unit and System-wide Impact Cost Totals	**87,121**	267,910	**524,669**
Calculated rate revenue credit per state law & defeasance savings (See Appendix B)			**-266,000**
Resultant amount to be used for calculating maximum allowable impact fee			**258,669**
Maximum Allowable Impact Fee			**$2,969**

VII. MAXIMUM ALLOWABLE FEE CALCULATION AND RATE REVENUE CREDIT

Once the portion of facilities costs associated with 10-year growth users is calculated for pressure zone and drainage basin analysis areas, the next step is summing these area costs to produce the total system growth cost -- the impact cost total. Then, in compliance with Section 395.014 (a) (7) of the law, a credit must be applied to take into account the contributions growth users will pay in rate payments that go towards financing the CIP growth projects listed on the tables. Utilities can calculate this credit and apply it to the calculated fee or, alternatively, can forgo the credit calculation by opting to use a credit equal to 50% of the calculated maximum allowable impact fee. AW opted to calculate the credit.

The purpose of this credit is to ensure that new growth is not charged twice for the portion of capital improvements attributed to them, once through the impact fee and then again through rates. In this update, the Austin-specific rate revenue credits are calculated for water and wastewater, based on the idea that in any future year, growth users make rate payments in proportion to their number as a percent of total rate payers. AW utilized the projected Service Unit Equivalents (SUE), developed as part of the Land Use Assumptions, to determine the pro rata share of the existing debt (interest and principal) attributable to each SUE on the system for each year of the impact fee period (2023-2052). The resulting cost per SUE was multiplied by the cumulative growth in SUE's for each year of the impact fee period resulting in the portion of the existing debt (interest and principal) that future customers will pay for in water/wastewater rates. Note that the rate revenue credit calculation uses the same interest cost basis (30-year financing and 5.5% interest rate) that yields the individual project interest costs presented in Tables 1 and 2. Additionally, in this update, Austin Water-specific defeasance savings are applied to the Impact Fee project costs prior to calculating the maximum allowable fee. The rate revenue credit tables are shown in Appendix A for water and in Appendix B for wastewater.

Beginning in 2016, AW began using impact fee collections to defease outstanding debt to reduce scheduled debt service requirements as authorized by Local Government Code Chapter 395. These fees paid by the developers can only be used to pay the direct costs or the principal and interest on bonds issued for constructing capital improvements or facility expansions identified in the growth-related capital improvement plan. A defeasance is a method of using available cash to pay off outstanding debt early. AW plans to continue annual defeasance transactions using impact fee collections to manage debt service requirements. As such, the rate revenue credit calculation includes a reduction of the total amortized cost for projected defeasance savings. As a result, these savings lower annual debt service requirements attributable to the use of impact fee collections to defease debt.

Using this method, the rate revenue credit for water is $249,000,000 and $266,000,000 for wastewater. To complete the maximum allowable fee calculation, the rate revenue credits are subtracted from the impact cost totals and the result is divided by the total number of 10-year growth service units to arrive at system wide maximum allowable fees. As shown on Table 8, the water and reclaimed maximum allowable fee is $4,882 per service unit. As shown on Table 9, the wastewater maximum allowable fee is $2,969 per service unit.

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APPENDIX A

IMPACT FEE CAPITAL IMPROVEMENTS PLAN

Water Rate Revenue Credit Table

Year	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Growth CIP Debt (Principle & Interest)	$ 85,649,743	$ 117,686,191	$ 103,036,555	$ 114,757,940	$ 109,504,475	$ 125,186,230	$ 117,128,500	$ 104,402,362	$ 87,845,194	$ 88,551,593
Total Service Units (SUE) each year	428,045	436,270	444,653	453,197	461,905	470,781	479,827	489,047	498,444	508,021
Cost per SUE	$ 200	$ 270	$ 232	$ 253	$ 237	$ 266	$ 244	$ 213	$ 176	$ 174
Cumulative SUE's in 30-Year Period	8,070	16,295	24,678	33,222	41,930	50,806	59,852	69,072	78,469	88,046
Portion Debt paid by Growth in 30-Year Period	**$ 1,700,000**	**$ 4,400,000**	**$ 5,800,000**	**$ 8,500,000**	**$ 10,000,000**	**$ 13,600,000**	**$ 14,700,000**	**$ 14,800,000**	**$ 13,900,000**	**$ 15,400,000**

Year	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
Growth CIP Debt (Principle & Interest)	$ 88,845,007	$ 88,997,519	$ 89,370,092	$ 89,229,888	$ 88,831,331	$ 64,948,877	$ 64,838,226	$ 64,752,832	$ 56,147,260	$ 53,620,575
Total Service Units (SUE) each year	517,783	527,732	537,873	548,208	558,742	569,478	580,421	591,573	602,940	614,526
Cost per SUE	$ 171.59	$ 168.64	$ 166.15	$ 162.77	$ 158.98	$ 114.05	$ 111.71	$ 109.46	$ 93.12	$ 87.26
Cumulative SUE's in 30-Year Period	88,046	88,046	88,046	88,046	88,046	88,046	88,046	88,046	88,046	88,046
Portion Debt paid by Growth in 30-Year Period	**$ 15,200,000**	**$ 14,900,000**	**$ 14,700,000**	**$ 14,400,000**	**$ 14,000,000**	**$ 10,100,000**	**$ 9,900,000**	**$ 9,700,000**	**$ 8,200,000**	**$ 7,700,000**

Year	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052
Growth CIP Debt (Principle & Interest)	$ 51,510,466	$ 48,935,895	$ 21,823,519	$ 20,986,524	$ 11,009,722	$ 10,439,279	$ 10,361,731	$ 9,958,898	$ 9,837,445	$ 9,837,445
Total Service Units (SUE) each year	626,334	638,369	650,635	663,137	675,880	688,867	702,103	715,594	729,344	743,359
Cost per SUE	$ 82.24	$ 76.66	$ 33.54	$ 31.65	$ 16.29	$ 15.15	$ 14.76	$ 13.92	$ 13.49	$ 13.23
Cumulative SUE's in 30-Year Period	88,046	88,046	88,046	88,046	88,046	88,046	88,046	88,046	88,046	88,046
Portion Debt paid by Growth in 30-Year Period	**$ 7,300,000**	**$ 6,800,000**	**$ 3,000,000**	**$ 2,800,000**	**$ 1,500,000**	**$ 1,400,000**	**$ 1,300,000**	**$ 1,300,000**	**$ 1,200,000**	**$ 1,200,000**
Total Revenue Credit										**$ 249,000,000**

APPENDIX B

IMPACT FEE CAPITAL IMPROVEMENTS PLAN

Wastewater Rate Revenue Credit Table

Year	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Growth CIP Debt (Principle & Interest)	$ 40,954,383	$ 54,913,675	$ 44,293,711	$ 49,517,550	$ 51,061,997	$ 58,180,934	$ 90,668,112	$ 90,155,339	$ 85,203,282	$ 85,752,698
Total Service Units (SUE) each year	409,363	417,483	425,764	434,210	442,823	451,607	460,566	469,702	479,019	488,521
Cost per SUE	$ 100.04	$ 131.54	$ 104.03	$ 114.04	$ 115.31	$ 128.83	$ 196.86	$ 191.94	$ 177.87	$ 175.54
Cumulative SUE's in 30-Year Period	7,962	16,083	24,364	32,810	41,423	50,207	59,165	68,301	77,619	87,121
Portion Debt paid by Growth in 30-Year Period	**$ 800,000**	**$ 2,200,000**	**$ 2,600,000**	**$ 3,800,000**	**$ 4,800,000**	**$ 6,500,000**	**$ 11,700,000**	**$ 13,200,000**	**$ 13,900,000**	**$ 15,300,000**

Year	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
Growth CIP Debt (Principle & Interest)	$ 85,905,622	$ 82,376,089	$ 82,301,618	$ 76,565,975	$ 75,803,071	$ 66,521,215	$ 64,648,340	$ 64,512,199	$ 64,512,199	$61,645,574.37
Total Service Units (SUE) each year	498,212	508,094	518,173	528,452	538,935	549,625	560,528	571,647	582,987	594,551
Cost per SUE	$ 172.43	$ 162.13	$ 158.83	$ 144.89	$ 140.65	$ 121.03	$ 115.33	$ 112.85	$ 110.66	$ 103.68
Cumulative SUE's in 30-Year Period	87,121	87,121	87,121	87,121	87,121	87,121	87,121	87,121	87,121	87,121
Portion Debt paid by Growth in 30-Year Period	**$ 15,100,000**	**$ 14,200,000**	**$ 13,900,000**	**$ 12,700,000**	**$ 12,300,000**	**$ 10,600,000**	**$ 10,100,000**	**$ 9,900,000**	**$ 9,700,000**	**$ 9,100,000**

Year	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052
Growth CIP Debt (Principle & Interest)	$ 60,349,667	$ 60,229,965	$ 56,456,737	$ 56,098,280	$ 55,630,389	$ 54,210,216	$ 54,116,860	$ 54,116,860	$ 51,619,931	$ 50,319,464
Total Service Units (SUE) each year	606,345	618,373	630,639	643,149	655,907	668,918	682,187	695,719	709,520	723,594
Cost per SUE	$ 99.53	$ 97.40	$ 89.52	$ 87.22	$ 84.81	$ 81.04	$ 79.33	$ 77.79	$ 72.75	$ 69.54
Cumulative SUE's in 30-Year Period	87,121	87,121	87,121	87,121	87,121	87,121	87,121	87,121	87,121	87,121
Portion Debt paid by Growth in 30-Year Period	**$ 8,700,000**	**$ 8,500,000**	**$ 7,800,000**	**$ 7,600,000**	**$ 7,400,000**	**$ 7,100,000**	**$ 7,000,000**	**$ 6,800,000**	**$ 6,400,000**	**$ 6,100,000**
Total Revenue Credit										**$ 266,000,000**

APPENDIX C

IMPACT FEE CAPITAL IMPROVEMENTS PLAN

CIP Projects Targeted to Meeting Existing Needs 2023-2027 – Water & Reclaimed

DEPT	Subproject ID	Subproject Name	Current Appropriation	ITD Expenditures
2107	3333.037	South Austin Regional WWTP Sludge Transfer Line and Reclaimed Water Line	$3,963,618	$2,475,724
2107	3333.135	SAR WWTP Reclaimed Water Pump Station Expansion	$337,119	$5,352
2107	5267.025	Onion Creek Reclaimed Water Main Phase 1	$11,436,768	$1,386,425
2107	5267.040	West 6th Street (San Antonio to MoPac) Reclaimed Water Main	$0	$0
2107	5267.041	Oltorf Street Reclaimed Water Main Phase 1	$598,083	$536,695
2107	5267.042	Oltorf Street Reclaimed Water Main Phase 2	$905,947	$687,934
2107	5267.044	Barton South Congress Reclaimed Water Main	$848,914	$337,947
2107	5267.052	Indirect Potable Reuse Pumping and Treatment Improvements	$0	$0
2107	5267.062	Krieg Fields Reclaimed Water Line Permanent Restoration	$419,988	$127,770
2107	5267.075	Travis Heights Reclaimed Water Main	$867,172	$390,906
2107	5267.077	Reclaimed Water System Surge Analysis and Mitigation	$183,507	$169,653
2107	5267.080	Downtown Transmission Mains	$0	$0
2107	5267.082	ABIA North Reclaimed Loop Main	$486,727	$427,305
2107	5267.090	East Austin Reclaimed Water Main	$0	$0
2107	5267.091	Distributed Wastewater Reuse and Sewer Mining	$0	$0
2107	5267.092	51st Street Tower Washout	$77,780	$32,298
2107	5267.094	Walnut Creek WWTP Reclaimed Water Meters	$69,016	$27,976
2107	5267.096	Montopolis Reclaimed Water Pump Station Expansion	$200,000	$0
2107	5267.097	West Riverside Reclaimed Water Main	$878,933	$3,279
2107	6319.007	Fallwell Lane Capital Renewal Project	$243,970	$75,008
2207	757.057	Motheral Drive Site Improvements	$380,816	$340,907
2207	757.091	Waller Creek Center Reclaim Water Project	$167,747	$19,020
2207	757.100	Waller Creek Center Elevator Modernization	$0	$0
2207	757.126	Waller Creek Center Parking Garage Renewal	$306,869	$160,351
2207	757.141	Austin Water Key System Upgrade	$0	$0
2207	2006.019	Pressure Point Improvements Phase 1	$558,294	$400,058
2207	2006.020	Lookout Lane Pump Station Improvements	$695,064	$460,802
2207	2006.023	Guildford Cove Pump Station Improvements	$590,530	$472,748
2207	2006.024	Glenlake Pump Station Bypass Improvements	$1,579,674	$780,929
2207	2006.035	Davis Lane Pump Station Restoration of Dual Feed (Austin Energy)	$640,157	$337,378
2207	2006.037	Jollyville Pump Station Hydraulic and Site Improvements	$0	$0
2207	2006.038	East Austin Pump Station Instrumentation and Control Improvements	$0	$0
2207	2006.046	Four Points Pump Station HVAC	$0	$0
2207	2006.052	Pressure Point 57 RTU Replacement	$0	$0
2207	2006.053	Allen Road Pump Station HVAC	$0	$0
2207	2006.054	Barclay Pump Station HVAC	$0	$0
2207	2006.059	Center Street Pump Station Replacement and Electrical Improvements	$107,197	$30,752
2207	2006.061	Turner's Crossing Pump Station & Reservoir Inspection	$257,454	$109,615
2207	2006.062	Water Distribution Remote Sites Control System Obsolete Equipment Upgrade	$0	$0
2207	2006.063	Bell Mountain Pump Station Controller Replacement	$0	$0
2207	2006.064	Camp Ben McCullough Pump Station Controller Replacement	$0	$0
2207	2015.006	Davis Water Treatment Plant Power Distribution Upgrade	$35,317,585	$33,350,193
2207	2015.017	Davis WTP Raw Water Hydraulic and Energy Efficiency Improvements	$2,710,677	$2,134,095
2207	2015.019	Davis WTP Supervisory Control and Data Acquisition (SCADA) Improvements	$1,620,714	$789,608
2207	2015.041	Davis Water Treatment Plant Treated Water Discharge System	$54,158,915	$48,771,896
2207	2015.062	Davis Water Treatment Plant Filter Media Tank Improvements	$1,102,056	$150,324
2207	2015.069	Davis WTP RWHEEI Phase B	$225,834	$112,501
2207	2015.078	Davis Water Treatment Plant Gas Heater Replacements	$629,502	$592,055

DEPT	Subproject ID	Subproject Name	Current Appropriation	ITD Expenditures
2207	2015.089	Davis Water Treatment Plant Ice Machine Replacement	$0	$0
2207	2015.102	Davis WTP Polymer Feed System (2018 Flood Resiliency Improvements)	$6,041,755	$1,624,685
2207	2015.109	Davis WTP Training Building Roof Rehab	$0	$0
2207	2015.110	Davis WTP Server and Communications Room Relocation	$0	$0
2207	2056.007	Water Distribution Lift Station Improvements Phase II	$560,000	$509,664
2207	2056.009	Supervisory Control and Data Acquisition Cyber Security Remediation	$923,244	$649,100
2207	2056.015	Supervisory Control and Data Acquisition Back-up Control Center	$0	$0
2207	2056.016	Process Control Systems Applications and Networking Technology Improvements	$0	$0
2207	2056.020	WDCS & LSTS SCADA Control Center Computer Replacement	$0	$0
2207	2056.021	SCADA Wide Area Network Firewalling and Segmentation	$25,382	$0
2207	2056.022	Virtualization Capabilities at Water and Wastewater Facilities	$0	$0
2207	2056.023	Communication Trailer Improvements at SCADA Master Radio Sites	$0	$0
2207	2056.024	SCADA Documentation Storage	$0	$0
2207	2056.025	SCADA test environment	$0	$0
2207	2127.016	Southwest Parkway Southwest B Elevated Reservoir	$53,403	$13,480
2207	2127.036	Aquifer Storage and Recovery Pilot	$3,116,000	$981,199
2207	2127.040	Lookout Lane and Neverbend Reservoir Improvements	$0	$0
2207	2127.041	Walsh Tarlton/Westlake Reservoir Improvements	$696,661	$0
2207	2127.042	Slaughter Lane and Capital of Texas Ground Storage Reservoir Improvements	$5,059,033	$4,442,593
2207	2127.047	Aquifer Storage and Recovery Full-Scale Project	$0	$0
2207	2127.048	Mt Larson & Sun Tree Cv Reservoir Improvements	$0	$0
2207	2127.052	Southwest Pressure Zones Pump Station/Reservoir Study	$0	$0
2207	2231.093	Southwest Allandale Neighborhood Water and Wastewater System Renewal	$3,725,350	$1,241,752
2207	2231.109	East Allandale White Rock Neighborhood System W/WW Renewal	$3,855,141	$1,116,674
2207	2231.217	Medical Arts Square Water and Wastewater System Renewal	$1,302,885	$395,173
2207	2231.233	Brentwood Water and Wastewater Pipeline Renewal: Arcadia Avenue Area	$4,461,380	$3,616,904
2207	2231.234	Rosedale/Lawnmont Avenue Water and Wastewater Pipeline Renewal	$471,940	$370,849
2207	2231.236	Morrow and Gault Water & Wastewater Pipeline Renewal	$713,330	$262,675
2207	2231.238	North Tarrytown Water and Wastewater Pipeline Renewal	$2,704,864	$1,828,128
2207	2231.239	South Tarrytown Water & Wastewater Pipeline Renewal	$721,062	$615,273
2207	2231.240	Old Enfield Water & Wastewater Pipeline Renewal	$256,136	$181,302
2207	2231.246	Kellam Road Water Pipeline Renewal	$280,785	$240,411
2207	2231.273	West Allandale and Trailridge Drive Utility Line Renewal	$4,109,276	$3,521,054
2207	2231.280	Elmhurst Drive Wastewater Pipe Renewal	$90,742	$30,243
2207	2231.281	Hyde Park Water & Wastewater Pipeline Renewal	$5,665,765	$1,286,589
2207	2231.283	Adina Street Water Pipeline Replacement	$517,634	$407,666
2207	2231.285	Asbestos Cement Water Pipe and Wastewater Line Replacement (Northeast)	$3,222,054	$2,545,260
2207	2231.287	Vargas Neighborhood Water and Wastewater Pipeline Renewal	$3,192,152	$404,529
2207	2231.291	Zilker Water and Wastewater Pipeline Renewal	$5,471,872	$520,164
2207	2231.292	Colony Park Water Pipeline Renewal	$754,051	$577,375
2207	2231.294	Barton Hills Water & Wastewater Pipeline Renewal: Horseshoe Bend Area	$1,051,269	$874,732
2207	2231.297	Astor Place Water and Wastewater Pipeline Rehabilitation	$188,240	$11,413
2207	2231.298	Harmon Avenue Area Water & Wastewater Renewal	$2,657,044	$2,085,302
2207	2231.302	Academy Drive Water & Wastewater Pipeline Renewal	$1,398,861	$174,659
2207	2231.303	La Casa Drive Water and Wastewater Pipeline Renewal	$51,182	$35,548
2207	2231.304	Beverly Road Water and Wastewater Pipeline Renewal	$717,329	$507,458
2207	2231.305	Fort Upper Basin Water and Wastewater Pipeline Renewal	$305,185	$1,302
2207	2231.307	Rosedale North Water and Wastewater Pipeline Renewal Phase 2	$2,089,261	$724,964
2207	2231.308	West 17th Street Water & Wastewater Pipeline Renewal	$392,270	$267,799
2207	2231.310	Central East Austin Water & Wastewater Pipeline Renewal	$0	$0
2207	2231.311	Wilshire Blvd Area Water & Wastewater Pipeline Renewal	$332,867	$252,046
2207	2231.313	Truman Heights Water & Wastewater Pipeline Rehabilitation	$3,273,198	$261,289
2207	2231.318	Brentwood Water and Wastewater Pipeline Renewal - Koenig North	$484,412	$207,836

DEPT	Subproject ID	Subproject Name	Current Appropriation	ITD Expenditures
2207	2231.320	Westgate Neighborhood Wastewater Pipeline Renewal	$35,221	$29,432
2207	2231.331	Sunny Lane Water and Wastewater Pipeline Renewal	$323,207	$316,967
2207	2231.332	West 35th Street Water and Wastewater Pipeline Renewal	$154,278	$98,653
2207	2231.333	Zilker, Bluebonnet Hether, Water and Wastewater Pipeline Renewal	$426,300	$102,809
2207	2231.334	Bryker Road Water and Wastewater Pipeline Renewal	$968,934	$610,682
2207	2231.339	West 9th and 12th Streets Water and Wastewater Renewal	$1,905,291	$1,067,724
2207	2231.341	38th and 40th Streets Water and Wastewater Pipeline Renewal	$242,768	$183,676
2207	2231.342	Garden Villa Lane Water & Wastewater Pipeline Renewal	$200,172	$153,732
2207	2231.371	East 55th Street & Harmon Avenue Waterline Renewal	$157,667	$139,245
2207	2231.374	AW Asphalt and Concrete Restoration Inspection (FY21-25)	$311,902	$243,291
2207	2231.378	Merion Circle Water and Wastewater Pipeline Renewal	$224,734	$23,165
2207	2231.380	Ivanhoe Trail Water and Wastewater Pipeline Renewal	$372,255	$104,337
2207	2231.387	Best Management Practices for Pipeline Systems	$38,605	$10,477
2207	2231.388	Wickshire Lane and Metcalfe Road Waterline Renewal	$263,867	$251,829
2207	2231.390	2021 Waterline On-Call Services IDIQ	$6,003,623	$3,868,170
2207	2231.393	Waterline On-Call Services IDIQ (24 to 26)	$0	$0
2207	2231.395	Sinclair Avenue Water and Wastewater System Renewal Project	$57,863	$36,672
2207	2231.396	Blythewood Drive Water Pipeline Renewal Project	$126,803	$80,671
2207	2231.400	Hillspring and Scottsdale Water and Wastewater System Renewal Project	$133,167	$46,178
2207	2231.401	Concordia Neighborhood Water and Wastewater Pipeline Renewal Project	$0	$0
2207	2231.403	Bryker Woods Neighborhood Water and Wastewater Pipeline Renewal Project	$13,077	$1,188
2207	2231.433	Lawnmont Avenue Water System Renewal Project	$21,890	$4,695
2207	2231.434	St. Johns Circle Water System Renewal Project	$22,012	$5,202
2207	2231.435	Kirk Avenue Water System Renewal Project	$0	$0
2207	2231.436	Wilmes Drive Water System Renewal	$0	$0
2207	2231.437	Wethersfield Road Water and Wastewater Pipeline Renewal	$13,649	$2,999
2207	2231.438	Creighton Lane Water and Wastewater Pipeline Renewal	$11,053	$2,750
2207	2231.439	Antler Drive Water Pipeline Renewal	$0	$0
2207	2231.441	Christie Drive and Tura Lane Water System Renewal Project	$0	$0
2207	2231.442	Galvanized Water Service Line Replacement Program	$0	$0
2207	2231.444	Gladstone Drive Water System Renewal Project	$0	$0
2207	2231.445	Patton Avenue Water System Renewal Project	$0	$0
2207	2231.446	Lily Terrace Water System Renewal Project	$0	$0
2207	2231.452	Decker Lane (Between Loyola & Mayview) Water & WW Pipeline Renewal	$26,250	$0
2207	2231.453	West Congress (Radam/St. Elmo) Water & WW Pipeline Renewal	$13,125	$0
2207	3159.025	Collaboration Software Implementation	$345,413	$341,356
2207	3159.027	Environmental Compliance Software Upgrade	$294,156	$194,375
2207	3159.030	Wireless Network Replacements (FY21-FY25)	$66,466	$19,925
2207	3159.031	PC Refresh (FY19-24)	$1,058,970	$947,056
2207	3159.034	Geographic Information System Data Model	$432,288	$298,137
2207	3159.035	Geographic Information System Equipment (FY19-FY23)	$105,388	$73,219
2207	3159.036	Geographic Information System Upgrade (FY19-FY23)	$167,640	$134,425
2207	3159.037	Disaster Recovery and Data Archive Replacements (FY23-FY27)	$0	$0
2207	3159.040	Laboratory Information Management System (FY19 - FY24)	$67,429	$66,854
2207	3159.041	Data Center Refresh (FY21-25)	$851,235	$659,365
2207	3159.042	Data Center Refresh (FY26-30)	$0	$0
2207	3159.044	Wireless Network Refresh (FY26-30)	$0	$0
2207	3159.045	Access Layer Switch Replacement (FY21-25)	$201,708	$152,530
2207	3159.046	Access Layer Switch Replacement (FY26-30)	$0	$0
2207	3159.047	PC Refresh (FY25-29)	$0	$0
2207	3159.049	IT Security Tools and Services	$154,105	$88,362
2207	3159.050	Computerized Maintenance Management System-Horizontal Assets (FY20-FY25)	$388,782	$269,919
2207	3159.051	Computerized Maintenance Management System - Vertical Assets (FY20-FY25)	$759,424	$706,655

DEPT	Subproject ID	Subproject Name	Current Appropriation	ITD Expenditures
2207	3159.052	Data Analytics Software Implementation (FY21-FY25)	$128,004	$69,541
2207	3159.054	Computerized Maintenance Management System-Horizontal Assets (FY26-FY31)	$0	$0
2207	3159.055	Computerized Maintenance Management System - Vertical Assets (FY26-FY31)	$0	$0
2207	3159.056	Laboratory Information Management System (FY25 - FY31)	$0	$0
2207	3159.057	Data Analytics Software Implementation (FY26-FY31)	$0	$0
2207	3159.058	Cloud-Based Data Analytics Upgrade	$496,991	$356,665
2207	3159.062	Geographic Information System Equipment (FY24-28)	$0	$0
2207	3159.064	Geographic Information System Upgrade (FY24-28)	$0	$0
2207	3159.066	IT Security Tools and Services (FY26-31)	$0	$0
2207	3159.068	Pipeline Inspection System (FY24-FY28)	$0	$0
2207	3185.009	Capital Equipment - Vehicles FY23 to FY25	$0	$0
2207	3185.010	Capital Equipment - Vehicles FY26 to FY28	$0	$0
2207	3212.147	Forest North Phase 3 Water and Wastewater Line Relocation	$3,342,835	$2,364,627
2207	3212.148	Pond Springs Road Water and Wastewater Lines and Appurtenance Relocation	$0	$0
2207	3212.155	TxDOT IH 35 Waterline Relocation: Parmer Lane Segment	$161,598	$103,521
2207	3212.157	TxDOT FM 2222 Water Line Relocation: FM 620 to Bonaventure Drive	$3,197,221	$3,104,416
2207	3212.162	TxDOT IH 35 Central WL Relocation: US 183 to US290	$518,898	$199,302
2207	3212.168	Travis County Utility Relocation Thaxton Road	$21,961	$5,643
2207	3212.170	Travis County Utility Relocation: Old Manor Road Safety Improvements	$995,620	$824,652
2207	3212.174	Miscellaneous Pavement Improvements FY19-23	$41,250	$48,681
2207	3212.175	Miscellaneous Pavement Improvements FY24-28	$0	$0
2207	3212.176	TxDOT SH 71 from East of SH 130 to East of Kellam Road Waterline Relocation	$781,695	$691,568
2207	3212.185	TxDOT US183 N Relocation: SH 45 N to Loop 1	$85,416	$52,047
2207	3212.190	Travis County Utility Relocation-Thomas Springs Rd: Circle Dr. to SH 71	$125,036	$67,098
2207	3212.194	Relocation of 36-inch Water Line across Colorado River	$188,900	$63,972
2207	3212.196	TxDOT FM 973 From FM 969 to Thyne	$33,458	$22,870
2207	3257.005	Water Operations Control Center	$0	$0
2207	3257.007	South Campus - Redesign of Glen Bell Service Center	$0	$0
2207	3257.008	Webberville Service Center Redevelopment	$0	$0
2207	3257.009	Northwest Service Center	$0	$0
2207	3257.010	Facilities Master Plan	$0	$0
2207	3257.011	Space Planning Module and Work Order System	$54,600	$16,542
2207	3257.012	Waller Creek Center 10th Floor and Atrium Renovation	$357,439	$94,665
2207	3257.013	Waller Creek Center 2nd and 3rd Floor Renovation	$0	$0
2207	3257.014	Waller Creek Center 4th and 5th Floor Renovation	$0	$0
2207	3353.116	Goodnight Ranch Phase Two	$801,950	$242,578
2207	4953.020	Rutherford Ranch Road Renewal	$380,000	$207,749
2207	4953.028	Tabor Dam Repair	$386,111	$373,509
2207	4953.043	Water Quality Protection Lands Tract J17 Road Rehabilitation	$0	$0
2207	4953.048	Rutherford House Roof Replacement	$0	$0
2207	4953.049	Net Wire Fencing Along South Boundary of LIBE Tract	$0	$0
2207	4953.050	Onion Tract Net Wire Fencing FM967	$0	$0
2207	4953.061	Parkwest High West and South Boundaries High Game Fencing	$98,415	$0
2207	4953.065	Forest Ridge South Boundary along Boatright tract High Game Fencing	$80,054	$0
2207	4953.068	Senna Hills Entire Boundary High Game Fencing	$0	$0
2207	4953.070	Little Barton Eastern Boundary Net Wire Fencing	$283,895	$0
2207	4953.071	Morgan East and West Boundary Net Wire Fencing	$0	$0
2207	4953.072	Parkhouse West Boundary Net Wire Fencing	$0	$0
2207	4953.073	Bright Leaf High Game Fencing along Mt. Bonnell Rd., South Boundary	$56,959	$21,021
2207	4953.074	Whirlpool Karst High Game Fencing	$24,250	$0
2207	4953.075	Hiller High Game Fencing	$44,331	$0
2207	5309.007	Polybutylene Water Services Replacement Program	$10,928,874	$2,021,862
2207	5309.009	Polybutylene Water Services Replacement Contract 100+ PSI Areas	$0	$0

DEPT	Subproject ID	Subproject Name	Current Appropriation	ITD Expenditures
2207	5335.008	Ullrich WTP On-site Generation of Chlorine and Ammonium Sulfate Conversion	$7,491,905	$2,051,191
2207	5335.016	Ullrich WTP Low Service Pump Station Electrical Feed Renewal	$31,894,950	$14,709,701
2207	5335.035	Ullrich WTP Supervisory Controls And Network Upgrades	$5,000	$295
2207	5335.063	Ullrich WTP Solids Handling System Improvements	$539,092	$468,318
2207	5335.064	Ullrich WTP Raw Water Pipe Gallery Dehumidifiers & Paint Recoating	$0	$0
2207	5335.070	Ullrich WTP Lime Feed Loop	$15,435,002	$13,772,374
2207	5335.075	Ullrich WTP Process Drain & Support Systems Improvements	$19,862,783	$1,688,670
2207	5335.080	Ullrich WTP Low Service Pump Station Safety Structures Renewal	$183,445	$105,068
2207	5335.081	Ullrich WTP Door/Window Renew; Restroom and Elec Remod; Roof Replace Design	$591,253	$235,804
2207	5335.100	Ullrich Centrifuge 2 and 4 Controls Upgrade	$0	$0
2207	5754.086	Little Walnut Creek - Flood Risk Reduction from Metric to Rutland	$1,262,102	$768,498
2207	5789.075	Waller Creek - Guadalupe St. Flood Risk Reduction Project	$0	$0
2207	5789.106	East Bouldin - Annie Street Flood Risk Reduction Project	$430,741	$44,499
2207	5789.126	Walnut Creek - North Acres Storm Drain Improvements	$273,662	$171,368
2207	5873.012	Redbud Trail Bridge over Lady Bird Lake	$539,884	$324,942
2207	5873.031	Barton Springs Rd. Bridge over Barton Creek	$25,000	$0
2207	6621.022	Handcox Water Treatment Plant Security Enhancements	$0	$0
2207	6621.023	Glen Bell Service Center Security Conversion	$92,153	$0
2207	6621.026	Security Operations Center (SOC) Expansion at Waller Creek Center	$0	$0
2207	6621.030	Tim Louviere Service Center Security System Upgrade	$0	$0
2207	6621.031	Davis Water Treatment Plant Security System Upgrade	$0	$0
2207	6621.033	Pump Station Security Access System Upgrade	$0	$0
2207	6621.034	Ullrich Water Treatment Plant Security System Upgrade	$0	$0
2207	6621.035	Summit Water Quality Lab Security Access Upgrade	$0	$0
2207	6621.036	Webberville Service Center Security System Upgrade	$0	$0
2207	6621.039	Govalle Security System Technology Refresh	$0	$0
2207	6621.040	North Service Center Security System Technology Update	$0	$0
2207	6621.041	Security Operations Center Technology Expansion	$0	$0
2207	6621.044	South Service Center Security System Installation	$0	$0
2207	6621.047	Davis Low Service Gate Security Installation	$0	$0
2207	6621.048	Waller Creek Center Security Refresh	$0	$0
2207	6621.049	Glen Bell Service Center Security Refresh	$0	$0
2207	6683.031	Handcox WTP Process Buildings HVAC Improvements	$1,444,240	$617,847
2207	6683.032	Handcox WTP Filter Backwash Pump Station Envelope Skin and HVAC	$0	$0
2207	6683.038	Handcox WTP Polymer Feed System (2018 Flood Resiliency Improvements)	$4,916,868	$790,208
2207	6683.039	Handcox WTP - Bullick Hollow Waterline Extension	$0	$0
2207	6935.001	Davis Medium Service Water Transmission Main	$0	$0
2207	6935.019	Parmer & 620 Interconnect	$0	$0
2207	6935.025	Southwest Parkway Transmission Main	$40,617	$22,166
2207	6935.026	Moore Rd Transmission Main	$0	$0
2207	6935.041	Oak Hill Water Network Improvements	$0	$0
2207	6935.045	Northwest A & B Zone Waterline Extensions and Pressure Reducing Valves	$1,241,487	$1,078,224
2207	6935.049	Travis County Water Line Construction: FM 1626 from Manchaca Rd to Brodie	$963,074	$916,779
2207	6935.057	Advanced Metering Infrastructure for Potable & Reclaimed Water Services	$21,711,112	$29,493,764
2207	6935.067	Pleasant Valley Waterline - Webberville to E 7th	$0	$0
2207	6935.077	Oltorf at Travis Heights Pressure Zone Improvements	$906,429	$432,446
2207	6935.078	Oltorf at Parker Lane Pressure Zone Improvements	$0	$0
2207	6935.079	Oltorf at Wickersham Pressure Zone Improvements	$0	$0
2207	6935.080	Oltorf at Montopolis Pressure Zone Improvements	$0	$0
2207	6935.081	FM 812 and US Hwy 183 Waterline Improvements	$629,479	$195,195
2207	6935.083	Starline Drive and Lawndale Drive Pressure Zone Conversion	$484,051	$386,277
2207	6935.085	Davis Medium Service Transmission Main Study	$0	$0
2207	6935.086	Water Forward Integrated Water Resource Plan Update	$224,600	$157,544

DEPT	Subproject ID	Subproject Name	Current Appropriation	ITD Expenditures
2207	6935.087	Guildford Cove Hydropneumatic (Long Canyon) Distribution Improvements	$0	$0
2207	6935.088	Small Diameter Waterline Replacement Program IDIQ	$410,866	$238,436
2207	6935.091	Water Forward Integrated Water Resource Plan III	$0	$0
2207	6943.045	Upper Boggy West - Cherrywood Wastewater Line Improvements	$81,400	$51,408
2207	6943.075	Cameron Road Wastewater Improvements	$27,185	$6,227
2207	7487.003	Braker Lane North (County Funded) Harris Branch to Samsung	$0	$0
2207	8702.008	Shaw Lane Aerial Survey	$97,764	$94,453
2207	8702.009	Zebra Mussel Mitigation - Ullrich, Davis and Handcox WTP CIG	$10,313,242	$5,061,678
2207	8702.013	Facilities IDIQ 21 & 24 Contract Development & Inspection	$154,512	$105,385
2207	11880.001	Spicewood Springs Road Regional Mobility Improvements	$1,320,428	$1,166,132
2207	11883.003	North Lamar Boulevard Corridor - US 183 to South of Rundberg Lane	$0	$0
2207	11883.008	North Lamar Boulevard Corridor - Rundberg Lane to South of Parmer Lane	$0	$0
2207	11887.003	South Lamar Boulevard Corridor: Barton Springs Road to US 290	$363,237	$194,789
2207	11889.011	William Cannon Drive Corridor - Running Water Dr to McKinney Falls Pkwy	$0	$0
2207	12480.001	Longhorn Dam Security Monitoring and Access Control	$0	$0
2207	12480.002	Longhorn Dam Improvements	$984,715	$266,148
2207	12480.003	Longhorn Dam Resiliency Improvements	$0	$0
2207	13275.001	Project Connect - Austin Water Utility Support	$1,500,059	$21,910

APPENDIX D

IMPACT FEE CAPITAL IMPROVEMENTS PLAN

CIP Projects Targeted to Meeting Existing Needs 2023-2027 – Wastewater

DEPT	Subproject ID	Subproject Name	Current Appropriation	ITD Expenditures
2307	757.091	Waller Creek Center Reclaim Water Project	$167,747	$19,019
2307	757.100	Waller Creek Center Elevator Modernization	$0	$0
2307	757.126	Waller Creek Center Parking Garage Renewal	$306,868	$160,351
2307	757.141	Austin Water Key System Upgrade	$0	$0
2307	757.144	Govalle ODS Building 5 Roof Rehab	$0	$0
2307	757.145	Govalle ODS Building 1 Roof Rehab	$0	$0
2307	757.146	Govalle ODS Building 2 Roof Rehab	$0	$0
2307	2056.007	Water Distribution Lift Station Improvements Phase II	$480,000	$361,636
2307	2056.009	Supervisory Control and Data Acquisition Cyber Security Remediation	$881,486	$606,166
2307	2056.020	WDCS & LSTS SCADA Control Center Computer Replacement	$0	$0
2307	2056.021	SCADA Wide Area Network Firewalling and Segmentation	$25,382	$0
2307	2056.022	Virtualization Capabilities at Water and Wastewater Facilities	$0	$0
2307	2056.024	SCADA Documentation Storage	$0	$0
2307	2056.025	SCADA test environment	$0	$0
2307	2231.093	Southwest Allandale Neighborhood Water and Wastewater System Renewal	$3,073,718	$1,741,150
2307	2231.109	East Allandale White Rock Neighborhood System W/WW Renewal	$1,756,845	$601,016
2307	2231.211	Real Estate Services - Wastewater Pipeline Network	$134,214	$63,544
2307	2231.217	Medical Arts Square Water and Wastewater System Renewal	$2,388,177	$658,363
2307	2231.233	Brentwood Water and Wastewater Pipeline Renewal: Arcadia Avenue Area	$3,734,732	$3,225,059
2307	2231.234	Rosedale/Lawnmont Avenue Water and Wastewater Pipeline Renewal	$449,273	$346,291
2307	2231.236	Morrow and Gault Water & Wastewater Pipeline Renewal	$7,050,195	$4,276,521
2307	2231.238	North Tarrytown Water and Wastewater Pipeline Renewal	$4,153,711	$2,340,513
2307	2231.239	South Tarrytown Water & Wastewater Pipeline Renewal	$870,124	$824,584
2307	2231.240	Old Enfield Water & Wastewater Pipeline Renewal	$752,336	$634,513
2307	2231.266	Wastewater Collection System Replacement Lines - North	$6,980,490	$6,295,300
2307	2231.273	West Allandale and Trailridge Drive Utility Line Renewal	$2,961,760	$2,398,636
2307	2231.274	Schulle Branch Creek Aerial Wastewater Pipeline Crossing Renewal	$607,299	$420,746
2307	2231.280	Elmhurst Drive Wastewater Pipe Renewal	$937,989	$403,862
2307	2231.281	Hyde Park Water & Wastewater Pipeline Renewal	$4,460,113	$1,225,495
2307	2231.285	Asbestos Cement Water Pipe and Wastewater Line Replacement (Northeast)	$1,640,821	$971,531
2307	2231.287	Vargas Neighborhood Water and Wastewater Pipeline Renewal	$3,151,316	$378,087
2307	2231.291	Zilker Water and Wastewater Pipeline Renewal	$4,412,142	$400,957
2307	2231.294	Barton Hills Water & Wastewater Pipeline Renewal: Horseshoe Bend Area	$86,460	$65,362
2307	2231.297	Astor Place Water and Wastewater Pipeline Rehabilitation	$437,675	$25,151
2307	2231.298	Harmon Avenue Area Water & Wastewater Renewal	$1,983,265	$1,355,745
2307	2231.302	Academy Drive Water & Wastewater Pipeline Renewal	$1,743,788	$245,326
2307	2231.303	La Casa Drive Water and Wastewater Pipeline Renewal	$29,765	$24,603
2307	2231.304	Beverly Road Water and Wastewater Pipeline Renewal	$725,369	$464,476
2307	2231.305	Fort Upper Basin Water and Wastewater Pipeline Renewal	$3,537,138	$748,818
2307	2231.308	West 17th Street Water & Wastewater Pipeline Renewal	$621,691	$498,207
2307	2231.310	Central East Austin Water & Wastewater Pipeline Renewal	$0	$0
2307	2231.311	Wilshire Blvd Area Water & Wastewater Pipeline Renewal	$410,310	$306,159
2307	2231.313	Truman Heights Water & Wastewater Pipeline Rehabilitation	$1,585,833	$127,395
2307	2231.314	In Situ Wastewater Line Renewal Program (2019 to 2021)	$3,399,708	$3,075,581
2307	2231.318	Brentwood Water and Wastewater Pipeline Renewal - Koenig North	$447,103	$191,400

DEPT	Subproject ID	Subproject Name	Current Appropriation	ITD Expenditures
2307	2231.326	Lower Fort Branch Basin - Wastewater Pipeline Renewal	$642,505	$241,106
2307	2231.331	Sunny Lane Water and Wastewater Pipeline Renewal	$512,930	$482,906
2307	2231.332	West 35th Street Water and Wastewater Pipeline Renewal	$106,281	$72,494
2307	2231.333	Zilker, Bluebonnet Hether, Water and Wastewater Pipeline Renewal	$123,117	$80,695
2307	2231.334	Bryker Road Water and Wastewater Pipeline Renewal	$1,089,973	$711,091
2307	2231.339	West 9th and 12th Streets Water and Wastewater Renewal	$1,035,493	$495,666
2307	2231.341	38th and 40th Streets Water and Wastewater Pipeline Renewal	$281,936	$189,567
2307	2231.342	Garden Villa Lane Water & Wastewater Pipeline Renewal	$191,946	$146,393
2307	2231.351	Greater South Creek (Elm Creek Dr.) Wastewater Pipeline Renewal	$403,879	$56,384
2307	2231.354	Wastewater Renewal Program - Manholes IDIQ (2019-2023)	$2,416,528	$1,197,850
2307	2231.362	Wastewater Pipe Network Inflow and Infiltration Technologies Evaluation	$313,092	$272,476
2307	2231.370	Sewer Cleaning Evaluation Study	$192,731	$106,052
2307	2231.373	Bull Creek Basin - Large Diameter Wastewater Pipeline Renewal	$286,813	$190,216
2307	2231.374	AW Asphalt and Concrete Restoration Inspection (FY21-25)	$311,859	$243,278
2307	2231.378	Merion Circle Water and Wastewater Pipeline Renewal	$235,725	$16,190
2307	2231.380	Ivanhoe Trail Water and Wastewater Pipeline Renewal	$28,779	$16,328
2307	2231.381	Wastewater Billing Meter Assessments	$172,143	$150,533
2307	2231.382	Capacity, Management, Operations & Maintenance (CMOM) Manual Updates	$168,602	$160,069
2307	2231.383	Large Wastewater Interceptors Assessment â¿¿ Pilot II	$829,775	$35,086
2307	2231.384	Horizontal Asset Management Peer Review	$95,588	$79,363
2307	2231.387	Best Management Practices for Pipeline Systems	$38,604	$10,477
2307	2231.394	In Situ Wastewater Line Renewal Program IDIQ (2022 to 2024)	$1,203,793	$499,401
2307	2231.395	Sinclair Avenue Water and Wastewater System Renewal Project	$70,721	$44,840
2307	2231.397	Wastewater Pipeline Watershed Coordination	$0	$0
2307	2231.398	Eanes Basin & Skunk Hollow Creek Wastewater Infrastructure Risk Assessment	$378,000	$159,458
2307	2231.399	Highway Crossing Renewal Projects	$432,478	$366,535
2307	2231.400	Hillspring and Scottsdale Water and Wastewater System Renewal Project	$133,168	$46,181
2307	2231.403	Bryker Woods Neighborhood Water and Wastewater Pipeline Renewal Project	$13,077	$1,188
2307	2231.407	Shoal Creek and W 38th Street Wastewater Renewal Study	$77,658	$54,803
2307	2231.410	NW Tarrytown (Between Pecos & Exposition) Wastewater Pipeline Renewal	$0	$0
2307	2231.411	Greater Stratford Drive Wastewater Pipeline Renewal	$0	$0
2307	2231.412	Greater Anderson Lane Wastewater Renewal	$0	$0
2307	2231.414	North University Neighborhood Wastewater Renewal	$0	$0
2307	2231.416	Parkfield Dr. Wastewater Pipeline Renewal	$0	$0
2307	2231.417	Marlborough & Faylin Dr. Wastewater Pipeline Renewal	$0	$0
2307	2231.418	Loyola Ln & Elm Creek Wastewater Pipeline Renewal	$0	$0
2307	2231.424	Wastewater Line Renewal And Spot Rehab Service Contract (2023 to 2025)	$3,400,000	$361
2307	2231.427	South River City (Bonnieview St) Wastewater Pipeline Renewal	$0	$0
2307	2231.428	Govalle (Boggy Creek Concrete Channel) Wastewater Pipeline Renewal	$232,113	$32,518
2307	2231.429	MLK Neighborhood and Givens Park Wastewater Pipeline Renewal	$252,491	$37,311
2307	2231.438	Creighton Lane Water and Wastewater Pipeline Renewal	$11,054	$2,751
2307	2231.443	Walnut Creek Metro Park (Wells Branch Creek) Wastewater Pipeline Renewal	$0	$0
2307	2231.445	Patton Avenue Water System Renewal Project	$0	$0
2307	2231.447	Boggy Creek (Between MLK & Pleasant Valley) Wastewater Pipeline Renewal	$0	$0
2307	2231.448	Fort Branch Creek (Between MLK & Norwood Hill) Wastewater Pipeline Renewal	$0	$0
2307	2231.449	Upper Shoal Creek Basin - Northcross Dr. Wastewater Pipeline Renewal	$70,000	$0
2307	2231.450	St Johns & Coronado Hills (Buttermilk Creek) Wastewater Pipeline Renewal	$22,198	$332
2307	2231.451	Wastewater Renewal Program â¿¿ Manholes IDIQ (2024-2026)	$68,000	$0
2307	2231.453	West Congress (Radam/St. Elmo) Water & WW Pipeline Renewal	$13,125	$0
2307	3023.022	Walnut Creek Wastewater Treatment Plant Pumping System Improvements	$20,113,193	$16,697,196
2307	3023.035	Walnut Creek Wastewater Treatment Plant Sludge Thickener Rehab	$13,371,487	$12,959,092

DEPT	Subproject ID	Subproject Name	Current Appropriation	ITD Expenditures
2307	3023.036	Walnut Creek Primary Clarifier and Flow Equalization Basin Rehab	$6,071,637	$1,201,651
2307	3023.039	Walnut Creek Wastewater Treatment Plant Secondary Process Improvements	$31,231,344	$28,809,460
2307	3023.066	Walnut Creek Wastewater Treatment Plant Gas Scrubber Systems Renewal	$7,980,355	$603,336
2307	3023.074	Walnut Creek Wastewater Treatment Plant Controls and Network Upgrades	$12,421,326	$1,902,551
2307	3023.098	Walnut Creek Wastewater Treatment Plant Administration Building Walls Rehab	$0	$0
2307	3023.099	Walnut Creek Wastewater Treatment Plant Effluent Sample Pump Modifications	$582,843	$361,633
2307	3023.116	Walnut Creek Interim WWTP Rehabilitation	$358,833	$415
2307	3159.025	Collaboration Software Implementation	$345,414	$337,828
2307	3159.027	Environmental Compliance Software Upgrade	$294,156	$194,375
2307	3159.030	Wireless Network Replacements (FY21-FY25)	$66,466	$19,925
2307	3159.031	PC Refresh (FY19-24)	$1,058,971	$941,494
2307	3159.034	Geographic Information System Data Model	$432,288	$298,137
2307	3159.035	Geographic Information System Equipment (FY19-FY23)	$105,388	$73,219
2307	3159.036	Geographic Information System Upgrade (FY19-FY23)	$167,640	$134,425
2307	3159.037	Disaster Recovery and Data Archive Replacements (FY23-FY27)	$0	$0
2307	3159.040	Laboratory Information Management System (FY19 - FY24)	$65,749	$65,174
2307	3159.041	Data Center Refresh (FY21-25)	$851,235	$659,365
2307	3159.042	Data Center Refresh (FY26-30)	$0	$0
2307	3159.044	Wireless Network Refresh (FY26-30)	$0	$0
2307	3159.045	Access Layer Switch Replacement (FY21-25)	$201,708	$152,530
2307	3159.046	Access Layer Switch Replacement (FY26-30)	$0	$0
2307	3159.047	PC Refresh (FY25-29)	$0	$0
2307	3159.049	IT Security Tools and Services	$154,106	$88,362
2307	3159.050	Computerized Maintenance Management System-Horizontal Assets (FY20-FY25)	$388,782	$269,919
2307	3159.051	Computerized Maintenance Management System - Vertical Assets (FY20-FY25)	$751,877	$706,655
2307	3159.052	Data Analytics Software Implementation (FY21-FY25)	$128,004	$69,541
2307	3159.054	Computerized Maintenance Management System-Horizontal Assets (FY26-FY31)	$0	$0
2307	3159.055	Computerized Maintenance Management System - Vertical Assets (FY26-FY31)	$0	$0
2307	3159.056	Laboratory Information Management System (FY25 - FY31)	$0	$0
2307	3159.057	Data Analytics Software Implementation (FY26-FY31)	$0	$0
2307	3159.058	Cloud-Based Data Analytics Upgrade	$496,991	$356,665
2307	3159.062	Geographic Information System Equipment (FY24-28)	$0	$0
2307	3159.064	Geographic Information System Upgrade (FY24-28)	$0	$0
2307	3159.066	IT Security Tools and Services (FY26-31)	$0	$0
2307	3159.068	Pipeline Inspection System (FY24-FY28)	$0	$0
2307	3164.047	Hornsby Bend BMP Electrical Motor Control Center (MCC) Replacements	$2,363	$2,363
2307	3164.059	Hornsby Bend Plant Road Renewal	$120,000	$62,849
2307	3164.070	Hornsby Bend Transfer Pump Station and Irrigation System Improvements	$21,900,885	$15,264,466
2307	3164.075	Hornsby Bend Biosolids Management Plant Headworks Improvements	$886,039	$771,966
2307	3164.077	Hornsby Bend BMP Centrifuges	$13,803,504	$3,662,839
2307	3164.094	Hornsby Bend Drainage Improvements	$0	$0
2307	3164.098	Hornsby Bend Dewatering Facility and East Stormwater Station Improvements	$1,393,077	$299,002
2307	3164.102	Hornsby Bend Gas Storage Cover Replacement	$0	$0
2307	3164.107	Hornsby Bend Biosolids Management Plant Roadway Improvements	$433,352	$274,823
2307	3164.110	Hornsby Bend Administration Building Paint and Floor Rehab	$0	$0
2307	3164.112	Hornsby Bend Biosolids Management Plant Biogas Utilization Assessment	$682,340	$508,146
2307	3164.116	Hornsby Bend Biosolids Management Plant Tree Management	$327,750	$225,980
2307	3164.124	Hornsby Bend Admin Building Communication Closet Relocation	$166,323	$51,147
2307	3164.125	Hornsby Bend BMP Process Ammonia Removal Facility	$664,074	$446,179
2307	3164.127	Hornsby Bend Fleet Shop Remodel	$6,598	$0
2307	3164.129	Hornsby Bend Momentum Controllers Replacement	$0	$0

DEPT	Subproject ID	Subproject Name	Current Appropriation	ITD Expenditures
2307	3164.130	SAR, Govalle, and Co-Gen Controllers Replacement at Hornsby Bend	$0	$0
2307	3168.064	Northwest Area Lift Station Improvements: Four Points #1 Lift Station	$0	$0
2307	3168.074	NWLS Improvements: Rock Harbor Force Main and Four Points #2 Demolition	$1,423,003	$649,094
2307	3168.076	South Area Lift Station Improvements: Barton Creek Plaza	$802,751	$237,881
2307	3168.078	Northwest Area Lift Station Improvements Great Hills Lift Station	$1,043,358	$880,378
2307	3168.086	Northwest Area Lift Station Improvements: Spring Lake #2	$953,947	$603,829
2307	3168.090	Davenport Limited Lift Station Improvements	$0	$0
2307	3168.091	Loop 360 Lift Station Improvements	$0	$0
2307	3168.092	Old Lampasas Lift Station Improvements	$0	$0
2307	3168.093	Bee Cave Woods Lift Station Improvements	$0	$0
2307	3168.116	Kale Lift Station Improvements	$0	$0
2307	3168.136	Hills of Bear Creek Lift Station Jib Crane	$186,113	$52,412
2307	3168.150	Govalle Site Domestic Wastewater Service Improvements	$1,591,377	$242,625
2307	3168.160	Bintliff Lift Station Emergency Generator Installation	$0	$0
2307	3168.164	Travis Country Lift Station Emergency Generator Installation	$0	$0
2307	3168.165	Fort Dessau Lift Station Force Main and Pump Upgrades	$0	$0
2307	3168.166	Dessau Lift Station Wet Well Slab Restoration	$0	$0
2307	3168.168	Tracor Lift Station Emergency Generator Installation	$0	$0
2307	3168.170	Barrington Oaks Lift Station Emergency Generator Installation	$0	$0
2307	3168.171	Lift Stations SCADA Equipment Replacement	$0	$0
2307	3168.191	Coomer Path Lift Station Capacity Expansion	$0	$0
2307	3168.194	Texas Plume Lift Station Electrical Rehabilitation	$1,484,897	$0
2307	3168.197	Dessau Lift Station Generator Installation	$0	$0
2307	3168.198	Daffan Lane Lift Station Generator Installation	$0	$0
2307	3168.199	River Place #3 Lift Station Generator Installation	$0	$0
2307	3168.200	Bee Caves Woods Lift Station Generator Installation	$0	$0
2307	3168.201	McNeil Commercial Lift Station Generator Installation	$0	$0
2307	3168.202	Ringtail Ridge L.C. #4 Lift Station Generator Installation	$0	$0
2307	3168.203	Walsh Tract Lift Station Generator Installation	$0	$0
2307	3168.204	Bluffington #3 Lift Station Generator Installation	$0	$0
2307	3168.205	Cat Mountain #1 Lift Station Generator Installation	$0	$0
2307	3168.206	Cliffs Over Lake Austin Lift Station Generator Installation	$0	$0
2307	3168.213	Gregg Lane and Long Vista Lift Stations Controller Replacement	$0	$0
2307	3168.214	County Downs and Scotland Wells Lift Stations Controller Replacement	$0	$0
2307	3185.009	Capital Equipment - Vehicles FY23 to FY25	$0	$0
2307	3185.010	Capital Equipment - Vehicles FY26 to FY28	$0	$0
2307	3212.160	TxDOT IH 35 South Waterline Relocation: SH71/Ben White Blvd to SH 45 SE	$1,940,316	$1,516,635
2307	3212.162	TxDOT IH 35 Central WL Relocation: US 183 to US290	$518,900	$199,314
2307	3212.167	Travis County Utility Relocation: South Pleasant Valley Road	$30,937	$2,243
2307	3212.174	Miscellaneous Pavement Improvements FY19-23	$41,250	$57,617
2307	3212.175	Miscellaneous Pavement Improvements FY24-28	$0	$0
2307	3212.178	TxDOT Loop 360 at Westlake Drive Water & Wastewater Relocation	$1,336,959	$1,132,118
2307	3212.179	TxDOT US 290 at Oak Hill Parkway Water & Wastewater Lines Relocation	$8,419,466	$7,336,759
2307	3212.183	TxDOT 360 at RM2222 and Courtyard Water and Wastewater Relocation	$221,000	$147,375
2307	3212.185	TxDOT US183 N Relocation: SH 45 N to Loop 1	$85,493	$52,061
2307	3212.196	TxDOT FM 973 From FM 969 to Thyne	$70,321	$27,770
2307	3257.005	Water Operations Control Center	$0	$0
2307	3257.007	South Campus - Redesign of Glen Bell Service Center	$0	$0
2307	3257.008	Webberville Service Center Redevelopment	$0	$0
2307	3257.009	Northwest Service Center	$0	$0
2307	3257.010	Facilities Master Plan	$0	$0

DEPT	Subproject ID	Subproject Name	Current Appropriation	ITD Expenditures
2307	3257.011	Space Planning Module and Work Order System	$54,600	$16,542
2307	3257.012	Waller Creek Center 10th Floor and Atrium Renovation	$357,441	$94,661
2307	3257.013	Waller Creek Center 2nd and 3rd Floor Renovation	$0	$0
2307	3257.014	Waller Creek Center 4th and 5th Floor Renovation	$0	$0
2307	3333.017	South Austin Regional WWTP Trains A & B Improvements	$150,563,897	$9,803,227
2307	3333.032	South Austin Regional WWTP Electrical Substation No.1 Replacement	$41,293,478	$20,733,319
2307	3333.034	South Austin Regional WWTP Lift Station Rehabilitation	$2,032,204	$1,889,501
2307	3333.037	South Austin Regional WWTP Sludge Transfer Line and Reclaimed Water Line	$3,994,294	$2,551,108
2307	3333.104	South Austin Regional Train A&B Grit Chamber and Primary Clarifier Rehab	$52,500	$1,734
2307	3333.105	South Austin Regional Lift Station 1 Pump Refurbishment	$96,600	$91,999
2307	3333.106	South Austin Regional Lift Station 2 Pump Refurbishment	$98,700	$94,000
2307	3333.107	South Austin Regional Wastewater Treatment Plant Door Replacements	$1,101,367	$1,033,577
2307	3333.113	SAR Elevated Tank Rehab & Improvements	$4,637,562	$426,166
2307	3333.114	South Austin Regional WWTP - Wastewater Seed Line Installation	$110,775	$98,740
2307	3333.120	SAR Train A&B - Motor Control Center Rehab	$20,000	$19,134
2307	3333.133	SAR WWTP Water Reuse Building Controller Replacement	$0	$0
2307	3333.134	SAR Influent Flow Split Control System Replacement	$0	$0
2307	5789.075	Waller Creek - Guadalupe St. Flood Risk Reduction Project	$0	$0
2307	5789.106	East Bouldin - Annie Street Flood Risk Reduction Project	$294,081	$80,266
2307	5873.012	Redbud Trail Bridge over Lady Bird Lake	$668,579	$352,409
2307	6319.007	Fallwell Lane Capital Renewal Project	$632,091	$111,131
2307	6621.023	Glen Bell Service Center Security Conversion	$92,152	$0
2307	6621.026	Security Operations Center (SOC) Expansion at Waller Creek Center	$0	$0
2307	6621.030	Tim Louviere Service Center Security System Upgrade	$0	$0
2307	6621.036	Webberville Service Center Security System Upgrade	$0	$0
2307	6621.038	Walnut Creek Waste Water Treatment Plant Security System Update	$0	$0
2307	6621.042	South Austin Regional Wastewater Treatment Plant Security System Update	$0	$0
2307	6621.043	Hornsby Bend Waste Water Treatment Plan Security System Technology Refresh	$0	$0
2307	6621.046	Govalle Security Installation	$224,884	$0
2307	6621.048	Waller Creek Center Security Refresh	$0	$0
2307	6621.049	Glen Bell Service Center Security Refresh	$0	$0
2307	6935.037	Highland Park Water and Wastewater Improvements	$5,840,664	$4,451,801
2307	6935.088	Small Diameter Waterline Replacement Program IDIQ	$133,491	$44,396
2307	6935.090	Ullrich WTP & Handcox WTP Wastewater Capacity Risk Assessment	$0	$0
2307	6943.003	Upper Tannehill Wastewater Interceptor Improvements: Berkman Drive	$0	$0
2307	6943.006	Blunn Creek at Woodward Wastewater Improvements	$0	$0
2307	6943.009	Walnut Interceptor Capacity Improvements	$267,349	$184,436
2307	6943.016	Johnson, Blunn, and Carson Metered Basins Study	$284,956	$188,433
2307	6943.020	Walnut Creek Wastewater Plant to South Austin Regional WWTP Flow Transfer	$945,747	$589,838
2307	6943.023	Lower Waller Interceptor	$0	$0
2307	6943.027	Crosstown Tunnel Centralized Odor Control Facility	$1,498,260	$574,464
2307	6943.044	Sanitary Sewer Evaluation Study - Onion Tunnel Area	$0	$0
2307	6943.049	Thousand Oaks Interceptor	$0	$0
2307	6943.050	Onion Creek Odor Control Facility Stream Bank Stabilization	$611,989	$484,148
2307	6943.051	Walnut Interceptor Odor and Corrosion Improvements	$1,561,135	$663,474
2307	6943.056	Upper Tannehill Wastewater Improvements: Morris Williams	$376,619	$324,372
2307	6943.070	Comal Street Wastewater Improvements Phase 1	$0	$0
2307	6943.072	Eanes Wastewater Replacement	$0	$0
2307	6943.074	Country Club Wastewater Improvements	$0	$0
2307	6943.076	Little Walnut Rundberg Lane at I-35 Wastewater Improvements	$0	$0
2307	6943.078	Wastewater Collection System Odor and Corrosion Control Master Plan	$312,957	$132,951

DEPT	Subproject ID	Subproject Name	Current Appropriation	ITD Expenditures
2307	6943.079	East Austin Comal and Chicon Wastewater Capacity Planning	$297,073	$142,732
2307	6943.081	Greater Walnut WWTP and Collection System Odor Study	$445,428	$200,712
2307	6943.082	Wastewater Hydraulic Modeling Update	$576,603	$0
2307	6943.083	Wastewater Wet Weather SSO Monitoring and Documentation	$0	$0
2307	6943.084	Lower Lake and Rattan Creek Interceptors: Route Study	$0	$0
2307	6943.085	West Bouldin Wastewater Capacity Planning Study	$0	$0
2307	6943.086	Wastewater Interceptor Planning for Developing Wastewater Basins Study	$0	$0
2307	6943.088	West Bank Odor Control Unit	$0	$0
2307	7265.014	Dessau Wastewater Treatment Plant Capacity Improvements & Expansion	$2,481,443	$2,273,383
2307	7265.019	Taylor Lane WWTP Expansion to 2.0 MGD	$0	$0
2307	7265.045	Lost Creek WWTP Phase III Process Improvements	$0	$0
2307	7265.046	Balcones Wastewater Treatment Plant (WWTP) Rehabilitation - Phase 2	$0	$0
2307	7265.054	Pearce Lane Wastewater Treatment Plant Expansion to 0.8 MGD	$0	$0
2307	7265.059	River Place WWTP Decommissioning Study	$0	$0
2307	7265.063	River Place Package WWTP Improvements	$0	$0
2307	7492.032	Shoal Creek - Northwest Park Dam Rehabilitation and Modernization	$22,136	$6,539
2307	8702.013	Facilities IDIQ 21 & 24 Contract Development & Inspection	$365,476	$256,001
2307	11880.001	Spicewood Springs Road Regional Mobility Improvements	$164,305	$130,455
2307	11883.003	North Lamar Boulevard Corridor - US 183 to South of Rundberg Lane	$0	$0
2307	13275.001	Project Connect - Austin Water Utility Support	$1,500,059	$21,910

APPENDIX E

IMPACT FEE CAPITAL IMPROVEMENTS PLAN

Descriptions of the Zones for Fees

For Lots Platted Prior to December 31, 2013

Descriptions of the zones for fees for lots platted prior to December 31, 2013, are found in the Land Development Code Chapter 25-1-21(26) and (30), Chapter 25-8-2(D), Chapter 25-2-311, and Ordinance 990805-31 excerpted below. The boundaries are subject to change based on field work and plan review by Watershed Management Department.

Land Development Code Chapter 25-1-21 (30) DRINKING WATER PROTECTION ZONE means the areas within the Barton Springs Zone, the Barton Creek watershed, all water supply rural watersheds, and all water supply suburban watersheds, as described in Section 25-8-2 (Descriptions Of Regulated Areas) that are in the planning jurisdiction.

LDC 25-8-2(D): BARTON SPRINGS ZONE means all watersheds that contribute recharge to Barton Springs, including those portions of the Barton, Williamson, Slaughter, Onion, Bear and Little Bear Creek watershed located in the Edwards Aquifer recharge or contributing zones.

BARTON CREEK WATERSHED means the land area that drains to Barton Creek.

EDWARDS AQUIFER is the water-bearing substrata also known as the Edwards and Associated Limestones Aquifer and includes the stratigraphic rock units known as the Edwards Formation and Georgetown Formation.

EDWARDS AQUIFER CONTRIBUTING ZONE means all land generally to the west and upstream of the Edwards Aquifer recharge zone that provides drainage into the Edwards Aquifer recharge zone.

EDWARDS AQUIFER RECHARGE ZONE means all land over the Edwards Aquifer that recharges the aquifer, as determined by the surface exposure of the geologic units comprising the Edwards Aquifer, including the areas overlain with quaternary terrace deposits.

SOUTH EDWARDS AQUIFER RECHARGE ZONE means the portion of the Edwards Aquifer recharge zone that is located south of the Colorado River and north of the Blanco River.

WATER SUPPLY RURAL WATERSHEDS include the Lake Travis watershed and Lake Austin watershed, excluding the Bull Creek watershed and the area to the south of Bull Creek and the east of Lake Austin.

WATER SUPPLY SUBURBAN WATERSHEDS include: the Bull, Eanes, Dry Creek North, Taylor Slough North, Taylor Slough South, and West Bull creek watersheds; the Town Lake watershed on the south side of Town Lake from Barton Creek to Tom Miller Dam; the Town Lake watershed on the north side of Town Lake from Johnson Creek to Tom Miller Dam; and the Town Lake watershed on the east side of Lake Austin from Tom Miller Dam to Bull Creek.

Land Development Code Chapter 25-1-21 (26) DESIRED DEVELOPMENT ZONE means the area not within the drinking water protection zone.

LDC 25-8-2(D): SUBURBAN WATERSHEDS include all watersheds not otherwise classified as urban, water supply suburban, or water supply rural watersheds, and include: the Brushy, Carson, Cedar, Cottonmouth, Country Club East, Country Club West, Decker, Dry Creek NE, Dry Creek East, Elm Creek, Elm Creek South, Gilleland, Harris Branch, Lake, Maha, Marble, North Fork, Plum Creek, Rattan, Rinard, South Boggy, Walnut, and Wilbarger creek watersheds; the Colorado River watershed downstream of U.S. 183; and; those portions of the Onion, Bear, Little Bear, Slaughter, and Williamson creek watersheds not located in the Edwards Aquifer recharge or contributing zones. LDC 25-8-2(D): URBAN WATERSHEDS include: the Blunn, Buttermilk, East Boggy, East Bouldin, Fort, Harper Branch, Johnson, Little Walnut, Shoal, Tannehill, Waller, and West Bouldin creek watersheds; the north side of the Colorado River watershed from Johnson Creek to U.S. 183; and the south side of the Colorado River watershed from Barton Creek to U.S. 183.

MEMORANDUM

To: Mayor and Council

From: Bobak Tehrany, P.E., Chair

Date: July 11, 2023

Subject: Impact Fee Advisory Committee Recommendation

The Impact Fee Advisory Committee is required under the Texas Impact Fee Act, Local Government Code, Chapter 395, to "file its written comments on the proposed amendments to the land use assumptions, impact fee capital improvements plan, and impact fees before the fifth business day before the date of the public hearing on the amendments." The committee has reviewed the documents prepared by the Austin Water staff titled WATER & WASTEWATER IMPACT FEE REPORTS: ASSESSED AND COLLECTED FEES AND LAND USE ASSUMPTIONS AND CAPITAL IMPROVEMENTS PLAN dated June 14, 2023.

Attached for your information relative to the City Council public hearing set for August 16, 2023 on this issue are the Impact Fee Advisory Committee's comments:

1. Update of the Land Use Assumptions, Impact Fee Capital Improvements Plan including the Impact Fee Service Area boundary amendments, and the setting the Assessed Fees, which were adopted unanimously on May 22, 2023.

If you should have any questions, I can be reached at bc-bobak.tehrany@austintexas.gov.

Sincerely,

Bobak Tehrany, Chair
Impact Fee Advisory Committee

Attachments

cc: Jesus Garza, Interim City Manager
Robert D. Goode, P.E., Interim Assistant City Manager
Shay Roalson, Director, Austin Water
Ross Crow, Assistant City Attorney, Law Department
Lauren T. King, P.E., Supervising Engineer, Austin Water
Impact Fee Advisory Committee Members

IMPACT FEE ADVISORY COMMITTEE ACTION

1. (Item 5 on May 22, 2023 IFAC Agenda) Discussion and possible action on the water and wastewater FY23 Impact Fee Update Maximum Allowable Fees and Proposed Assessed Fees

Impact Fee Advisory Committee Special Meeting
Hybrid – Webex / COA Permitting and Development Center, Room 1203
6310 Wilhelmina Delco Drive
Austin, Texas
May 22, 2023

VOTE: 5-0-0-0

Motion made and seconded by:	Bobak Tehrany and Lance Parisher
Committee Members Consenting:	Bobak Tehrany Susan Turrieta Lance Parisher Channy Soeur Chi Lee
Committee Members Dissenting:	None
Committee Members Abstaining:	None
Committee Members Absent:	None

The Impact Fee Advisory Committee recommends that the City Council adopt the 5-Year Update of the Impact Fee Land Use Assumptions and Capital Improvements Program, including the Assessed and Collected Fees. The Committee has reviewed the 5-Year Updates, and found them to be comprehensive. The Committee recommends that the City Council and the citizens utilize these reports and the information contained therein.

July 11, 2023

Bobak Tehrany, Chairperson
Impact Fee Advisory Committee
City of Austin

Date