IMPACT FEE REPORTS:

IMPACT FEE LAND USE ASSUMPTIONS

AND

IMPACT FEE CAPITAL IMPROVEMENTS PLAN

City of Austin, Texas
Austin Water Utility

Year 2007 Update

Adopted September 10, 2007

IMPACT FEE REPORTS

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IMPACT FEE LAND USE ASSUMPTIONS

City of Austin, Texas
Austin Water Utility

Year 2007 Update

I. INTRODUCTION

Texas law, specifically Texas Local Government Code, Chapter 395, enacted by the State Legislature in 1987 (Senate Bill 336) and amended in 1989, empowers cities to impose and collect "impact fees" and establishes the guidelines cities must follow to do so. The term "impact fee" includes the "capital recovery fees" that the City of Austin charges for facility expansion of its water and wastewater systems.

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.

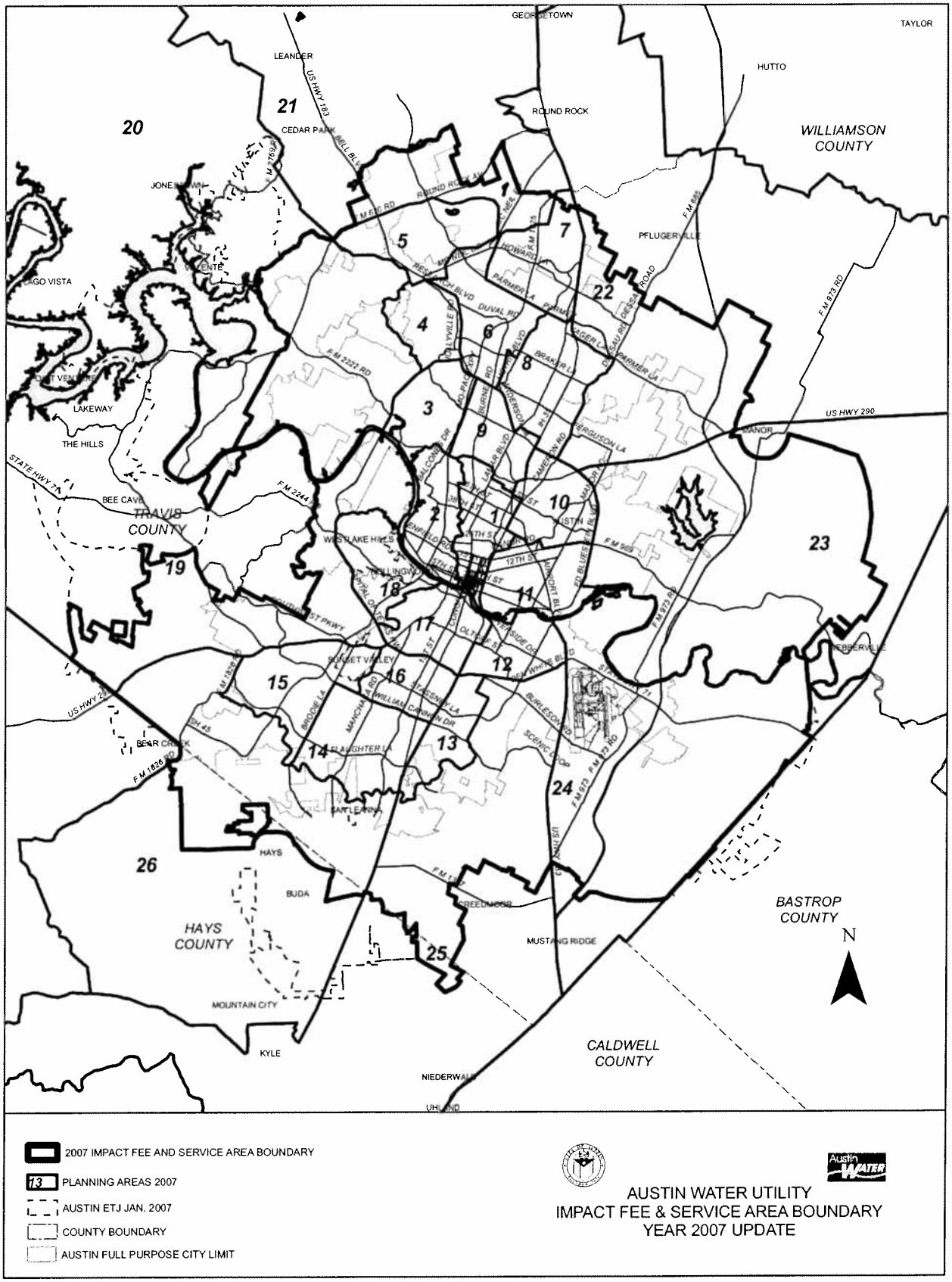
This report has been prepared for the purpose of complying with the requirements of Chapter 395 of the Local Government Code with respect to "land use assumptions." It is an amendment to the City's impact fee land use assumptions approved by the City Council on February 13, 1997, and subsequently amended and updated twice, most recently in August 2001, and adopted by City Council November 29, 2001. 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. 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 is the official service area description, not the map.

The Impact Fee "service area" defines the area to be used to calculate projected "service units" and the impact fee.

The service area for this 2007 update was reduced in size by eliminating land transferred since 2001 from the Austin ETJ to other ETJ's. The service area was increased in part to include property added to the ETJ since 2001, and where necessary, to include land adjacent to existing water or wastewater mains.


GEORGETOWN
TAYLOR
HUTTO
LEANDER
US HWY 183
ROUND ROCK
WILLIAMSON COUNTY
CEDAR PARK
JONESTOWN
PFLUGERVILLE
LAGO VISTA
LAKEWAY
THE HILLS
STATE HWY 71
BEE CAVE
TRAVIS COUNTY
F M 2222 RD
F M 2244
F M 973 RD
US HWY 290
MANOR
WESTLAKE HILLS
HOLLINGWOOD
SUNSET VALLEY
BEAR CREEK
F M 1826 RD
SAN LEANNA
HAYS
BUDA
HAYS COUNTY
MOUNTAIN CITY
KYLE
NIEDERWALD
UHLAND
CALDWELL COUNTY
BASTROP COUNTY
MUSTANG RIDGE
N
2007 IMPACT FEE AND SERVICE AREA BOUNDARY
PLANNING AREAS 2007
AUSTIN ETJ JAN. 2007
COUNTY BOUNDARY
AUSTIN FULL PURPOSE CITY LIMIT
AUSTIN WATER UTILITY
IMPACT FEE & SERVICE AREA BOUNDARY
YEAR 2007 UPDATE

MAP 1
LUA-2

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.

III. GROWTH PROJECTIONS

The tables that follow show growth information for time periods corresponding to years 2005 and 2015. The 2005 and 2015 dates correspond to the ten year time horizon for the updated land use assumptions required by the Texas Local Government Code. The growth data on these tables are aggregated by Planning Areas, which are illustrated by Map 1.

For the 2007 update, adjusted 2000 population data, adjusted dwelling units, and adjusted employment values, plus 2010 and 2020 data from forecasts by Transportation, Planning, and Sustainability Department, were used as a baseline to calculate ten year estimated growth values.

All data prepared by the Neighborhood Planning and Zoning Department (NPZD) is provided to us distributed by traffic serial zone within the City's ETJ and surrounding region. The serial zone distribution allows the Austin Water Utility to allocate growth to the selected impact fee service area and to the Planning Areas.

The Planning Area and total acreage figures were calculated by computer from digitized serial zone boundary lines. Land use acreage by various residential and non-residential categories is not required for the update.

The following tables of information are attached:

Table 1 - Population Growth. Shows estimated 2005 and projected 2015 population aggregated to Planning Area level and to total service area. As noted above, these figures are consistent with NPZD data for 2000 and Utility projections for 2010 and 2020. These population figures correspond to estimates and projections of residents actually receiving City of Austin water and/or wastewater service. This table includes the calculated average annual growth rate, the number of estimated dwelling units, and the gross population density. The gross densities are calculated by dividing the estimated or projected population by the total acres in each Planning Area.

Table 2 - Employment Growth. Shows estimated 2005 and projected 2015 employment aggregated to Planning Area level and to total service area. As noted above, these figures are consistent with NPZD data for 2000 and Utility projections for 2010 and 2020. 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 in each Planning Area. As with population, these figures correspond to work sites that will actually receive City of Austin water and/or wastewater service.

Table 1 - Population Growth - Austin Retail & Wholesale Utility Customers Within 2007 Boundary

Planning Area Summary	2005 Population	2015 Population	Population Annual Growth Rate	2005 Dwelling Units	2015 Dwelling Units	Dwelling Unit Annual Growth Rate	Acres for 2006 Served Area*	2005 Residential Gross Density Pop./Ac.	2015 Residential Gross Density Pop./Ac.	Change in Residential Gross Density
1	54,952	62,842	1.35%	27,087	30,903	1.33%	5,139	10.69	12.23	1.35%
2	27,518	29,831	0.81%	13,359	14,422	0.77%	5,315	5.18	5.61	0.81%
3	28,730	29,919	0.41%	14,272	14,839	0.39%	5,269	5.45	5.68	0.41%
4	21,132	22,966	0.84%	9,567	10,337	0.78%	4,433	4.77	5.18	0.84%
5	35,976	45,122	2.29%	13,796	17,589	2.46%	7,471	4.82	6.04	2.29%
6	34,032	38,862	1.34%	15,956	18,416	1.44%	6,985	4.87	5.56	1.34%
7	29,160	35,730	2.05%	12,619	15,137	1.84%	6,482	4.50	5.51	2.05%
8	73,992	77,711	0.49%	32,029	33,694	0.51%	8,318	8.90	9.34	0.49%
9	35,258	38,197	0.80%	15,952	17,284	0.81%	4,689	7.52	8.15	0.80%
10	45,775	52,599	1.40%	19,266	22,102	1.38%	5,735	7.98	9.17	1.40%
11	40,481	46,006	1.29%	13,859	15,912	1.39%	6,397	6.33	7.19	1.29%
12	39,564	40,977	0.35%	19,055	19,721	0.34%	4,596	8.61	8.91	0.35%
13	28,132	30,326	0.75%	9,846	10,670	0.81%	4,464	6.30	6.79	0.75%
14	41,013	46,752	1.32%	15,026	17,154	1.33%	8,572	4.78	5.45	1.32%
15	37,441	45,527	1.97%	12,971	15,786	1.98%	8,290	4.52	5.49	1.97%
16	32,804	36,085	0.96%	12,810	14,097	0.96%	4,245	7.73	8.50	0.96%
17	47,280	52,459	1.04%	22,559	24,993	1.03%	5,627	8.40	9.32	1.04%
18	14,554	15,804	0.83%	6,325	6,823	0.76%	5,687	2.56	2.78	0.83%
19	28,401	36,912	2.66%	9,902	12,906	2.68%	15,311	1.85	2.41	2.66%
20	24,785	31,352	2.38%	9,270	11,808	2.45%	12,989	1.91	2.41	2.38%
21	5,529	20,720	14.12%	2,099	7,544	13.65%	6,324	0.87	3.28	14.12%
22	19,696	39,940	7.33%	7,488	14,969	7.17%	20,121	0.98	1.98	7.33%
23	11,462	20,130	5.79%	3,390	6,308	6.41%	20,333	0.56	0.99	5.79%
24	11,720	21,737	6.37%	3,722	7,123	6.71%	42,837	0.27	0.51	6.37%
25	11,276	20,025	5.91%	3,954	6,864	5.67%	18,891	0.60	1.06	5.91%
26	19,303	32,831	5.46%	6,355	10,897	5.54%	13,956	1.38	2.35	5.46%
27	0	0	0.00%	0	0	0.00%	0	0.00	0.00	0.00%
Total within Boundary	799,965	971,363	1.96%	332,534	398,298	1.82%	258,475	3.09	3.76	1.96%

*Total 2007 Impact Fee Service Area is 343,861 acres

Table 2 - Employment Growth - Austin Retail & Wholesale Utility Customers Within 2007 Boundary

Planning Area Summary	2005 Employment	2015 Employment	Employment Annual Growth Rate	Acres for 2006 Served Area*	2005 Employment Gross Density Emp./Ac.	2015 Employment Gross Density Emp./Ac.	Change in Employment Gross Density
1	119,043	132,409	1.07%	5,139	23.16	25.76	1.07%
2	15,434	18,674	1.92%	5,315	2.90	3.51	1.92%
3	10,515	12,475	1.72%	5,269	2.00	2.37	1.72%
4	5,803	6,845	1.67%	4,433	1.31	1.54	1.67%
5	13,686	18,876	3.27%	7,471	1.83	2.53	3.27%
6	46,848	50,757	0.80%	6,985	6.71	7.27	0.80%
7	8,562	13,746	4.85%	6,482	1.32	2.12	4.85%
8	27,246	31,328	1.41%	8,318	3.28	3.77	1.41%
9	32,293	34,838	0.76%	4,689	6.89	7.43	0.76%
10	24,752	45,379	6.25%	5,735	4.32	7.91	6.25%
11	23,440	30,339	2.61%	6,397	3.66	4.74	2.61%
12	20,559	23,965	1.54%	4,596	4.47	5.21	1.54%
13	7,345	9,265	2.35%	4,464	1.65	2.08	2.35%
14	5,392	7,737	3.68%	8,572	0.63	0.90	3.68%
15	6,595	9,289	3.48%	8,290	0.80	1.12	3.48%
16	12,819	15,979	2.23%	4,245	3.02	3.76	2.23%
17	22,796	27,551	1.91%	5,627	4.05	4.90	1.91%
18	13,429	14,421	0.72%	5,687	2.36	2.54	0.72%
19	16,744	21,632	2.59%	15,311	1.09	1.41	2.59%
20	11,245	14,671	2.70%	12,989	0.87	1.13	2.70%
21	8,798	14,971	5.46%	6,324	1.39	2.37	5.46%
22	20,936	35,151	5.32%	20,121	1.04	1.75	5.32%
23	16,574	25,340	4.34%	20,333	0.82	1.25	4.34%
24	17,910	39,074	8.11%	42,837	0.42	0.91	8.11%
25	11,970	20,206	5.38%	18,891	0.63	1.07	5.38%
26	2,280	7,729	12.99%	13,956	0.16	0.55	12.99%
27	0	0	0.00%	0	0.00	0.00	0.00%
Total within Boundary	523,014	682,647	2.70%	258,475	2.02	2.64	2.70%

*Total 2007 Impact Fee Service Area is 343,861 acres

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, "'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 for a particular category of capital improvements or facility expansions."

To use a simplified explanation, the number of projected new service units are divided into the costs of capital projects allocated to this new growth in order to calculate the allowable impact fee (per service unit). The journal article by Ray Farabee, et.al., mentioned previously, 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 term "service unit" has replaced "fee unit" in the Austin ordinances and codes in recent years. The service unit is based on the size of water meter sold, exactly as the fee unit was 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. The same ratios apply in both cases since the rated maximum flow for each meter is twice its rated continuous flow.

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 1/2"	positive displacement	5
1 1/2"	turbine	8
2"	positive displacement	8
2"	turbine	10
3"	compound	16
3"	turbine	24
4"	compound	25
4"	turbine	42
6"	compound	50
6"	turbine	92
8"	turbine	160
10"	turbine	250
12"	turbine	330
6" x 2"	fire service	based on domestic demand
8" x 2"	fire service	based on domestic demand
10" x 2"	fire service	based on domestic demand

The service unit is determined on the basis of the American Water Works Association (AWWA) standards C700-02, C701-02 and C702-01 recommended maximum rate for continuous duty (flow) of the meter purchased at sale of tap. The service unit, as described here, has for years been in Austin's capital recovery fee ordinances; it is well accepted, and it is extraordinarily easy to calculate at time of collection. In addition, it is based on criteria that directly reflect the differences in service consumption between different users.

The projection of new service units is problematical in that it depends on types and numbers of meters sold, while the basis for the forecasts are population and employment converted to water and wastewater flows.

This problem is handled by calculating the number of service units in the water system today and assuming the relationship between service units and projected usage remains constant in the future. Table 4 shows the latest count of all meters in the system in January 2006 by size and type. From that list is calculated the number of hypothetical service units installed in the system. That figure is 316,147 service units as shown on Table 4. The weather-normalized water usage for FY 2004/2005 (October 2004-September 2005), which is estimated to be 51,321 million gallons (actual FY 2004/2005 usage was 51,374 million gallons), to obtain a system-wide normal-weather average use of 445 gallons per day per service unit (or 0.31 gpm).

Table 4 - Estimate of Service Units in the Austin Water System

Meter Size	Meters January 2006 *	Service Unit Multiplier **	January 2006 Service Units
5/8"	168,486	1	168,486
3/4"	7,868	1.5	11,802
1"	8,324	2.5	20,810
1 1/4"	18	5	90
1 1/2"	3,547	5	17,735
2"	3,051	8	24,408
3"	1,144	16.95	19,391
4"	644	25.33	16,313
6"	312	56.1	17,503
8"	134	98.46	13,194
10"	49	124.2	6,086
12"	1	330	330
16"	0		0
Total	**193,578**		**316,147**

* Meter count January 2006 without individual customers in wholesale utilities.
** Service Unit Multiplier based on historical mix of meter types within size.

Actual FY 2004-2005 usage in million gallons	51,374
Weather normalized usage in million gallons	**51,321**
System-wide normal-weather average use gallons per day per service unit	**445**
Wastewater Return Flow Rate	62%
Wastewater average use gallons per day per service unit	**275**

All future forecasts derive from projections of population and employment. These are then converted to projections of water use and wastewater generation. These projections are weather-normalized to isolate the effects of growth. At that point, if we maintain the assumption that the relationship between water use and service units will remain fairly constant, then simply dividing the average daily projected use by the 445 gallons per day per service unit figure obtained above will produce a projection of future service units, and consequently, new service unit growth.

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

Table 5 - Projection of Service Units - Austin Retail & Wholesale Utility Customers Within 2007 Boundary

Planning Area Summary	2005 Residential MGD	2005 Employment MGD	2005 Total MGD	2005 Service Units	2015 Residential MGD	2015 Employment MGD	2015 Total MGD	2015 Service Units	10-year Service Unit Growth
1	6.16	11.58	17.74	39,890	7.05	12.88	19.93	44,814	4,924
2	3.09	1.50	4.59	10,321	3.35	1.82	5.17	11,625	1,304
3	3.22	1.02	4.24	9,534	3.36	1.21	4.57	10,276	742
4	2.37	0.56	2.93	6,588	2.58	0.67	3.25	7,308	720
5	4.04	1.33	5.37	12,075	5.06	1.84	6.90	15,515	3,440
6	3.82	4.56	8.38	18,843	4.36	4.94	9.30	20,912	2,069
7	3.27	0.83	4.10	9,219	4.01	1.34	5.35	12,030	2,811
8	8.30	2.65	10.95	24,622	8.72	3.05	11.77	26,466	1,844
9	3.96	3.14	7.10	15,965	4.29	3.39	7.68	17,269	1,304
10	5.14	2.41	7.55	16,977	5.90	4.41	10.31	23,183	6,206
11	4.54	2.28	6.82	15,335	5.16	2.95	8.11	18,236	2,901
12	4.44	2.00	6.44	14,481	4.60	2.33	6.93	15,583	1,102
13	3.16	0.71	3.87	8,702	3.40	0.90	4.30	9,669	967
14	4.60	0.52	5.12	11,488	5.24	0.75	5.99	13,469	1,981
15	4.20	0.64	4.84	10,883	5.11	0.90	6.01	13,514	2,631
16	3.68	1.25	4.93	11,085	4.05	1.55	5.60	12,592	1,507
17	5.30	2.22	7.52	16,909	5.89	2.68	8.57	19,270	2,361
18	1.63	1.31	2.94	6,611	1.77	1.40	3.17	7,128	517
19	3.19	1.63	4.82	10,838	4.14	2.10	6.24	14,031	3,193
20	2.78	1.09	3.87	8,702	3.52	1.43	4.95	11,130	2,428
21	0.62	0.86	1.48	3,328	2.32	1.46	3.78	8,500	5,172
22	2.21	2.04	4.25	9,556	4.48	3.42	7.90	17,764	8,208
23	1.29	1.61	2.90	6,521	2.26	2.46	4.72	10,613	4,092
24	1.31	1.74	3.05	6,858	2.44	3.80	6.24	14,031	7,173
25	1.26	1.16	2.42	5,442	2.25	1.96	4.21	9,466	4,024
26	2.17	0.22	2.39	5,374	3.68	0.75	4.43	9,961	4,587
27	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0
Total within Boundary	89.75	50.86	140.61	316,147	108.99	66.39	175.38	394,355	78,208
								10-year Growth Rate	2.24%

Decentralized Wastewater Growth and Service Unit Assumptions

Growth projections associated with decentralized cluster wastewater systems are shown below for the entire service area. The population, dwelling units and service units are included in the Planning Area values in Tables 1, 2 and 5. All forecast growth of this type is anticipated to be residential. Since the type of residential units that will use cluster systems tends to be single family suburban houses, an assumption is made that the owners will typically purchase ¾-inch water meters, which equate to 1.5 service units. Therefore, the number of service units is assumed to equal 1.5 times the number of dwelling units.

Table 6: System-wide Projections of Growth for Decentralized Cluster Wastewater Systems

Year	Population	Dwelling Units	Service Units
2005	0	0	0
2015	4,640	1,600	2,400

Although no such system is present in the Capital Improvements Plan for the Year 2007 Impact Fee calculation, such a system would be an applicable candidate project for future impact fee assessments.

Report Preparation:

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City of Austin
Neighborhood Planning and Zoning Department (NPZD)
Teri McManus (1996, 2010 and 2020 population and employment data)
Ryan Robinson, City Demographer (2000 census data)

IMPACT FEE LAND USE ASSUMPTIONS – APPENDIX A

Description of Impact Fee Boundary for Year 2007 Update Adopted September 10, 2007 (Ord 20070910-007)

All jurisdiction boundaries such as county lines, utility companies, ETJ's, 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 street names and MAPSCO Inc. 2005 Austin Street Guide were used for street names in this description. Distances have been scaled from commonly available maps 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 extra territorial 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.

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 Water Commission or its 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 extra territorial jurisdiction (ETJ) or city limits of cities other than Austin; provided, however, that within the extra territorial jurisdiction (ETJ) or city limits 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 ETJ passing through a tract, the entire tract which is partially in the Austin ETJ and not in the ETJ 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 junction of the east frontage road of IH-35 South and the common ETJ boundary of Austin and Buda, the boundary proceeds along the common ETJ boundary of Austin and Buda in a generally east and south direction (to include the Sunfield #2 MUD) for about 2.9 miles until it turns generally NE.

2. Then proceeding in a general NE direction along the common ETJ boundary of Austin and Buda for about 0.5 mile to the ETJ boundary west of S. Turnersville Rd..

3. Then proceeding in a general south direction along the common ETJ boundary of Austin and Buda west of S. Turnersville Rd., including the electric substation property, for about 1.7 miles to Satterwhite Road..

4. Then proceeding in a general east and SE direction along Satterwhite Rd. for about 2.1 miles to the common ETJ boundary of Austin and Niederwald near Williamson Road.

5. Then proceeding in a general NE direction along the common ETJ boundary of Austin and Niederwald for about 0.4 mile to the intersection of the common ETJ boundaries of Niederwald, Creedmoor and Austin at Williamson Road.

6. Then proceeding in a general NE direction along the common ETJ boundary of Austin and Creedmoor and the Creedmoor city limits for about 5.5 miles including sections along Williamson Road, Graef Road, Wright Rd., Palmer Road and near FM 1327 and Carl Road.

7. Then proceeding in a general NNE direction along the common ETJ boundary of Austin and Creedmoor near Carl Road for about 0.9 mile to its intersection with Old Lockhart Hwy.

8. Then proceeding in a general SE direction along the common ETJ boundary of Austin and Creedmoor for about 3.9 miles until it intersects with the common ETJ boundary of Creedmoor, Austin and Mustang Ridge and turns generally east.

9. Then proceeding in a general east direction along the common ETJ boundary of Austin and Mustang Ridge for about 3.8 mile until it turns generally ESE.

10. Then proceeding in a general ESE direction along the ETJ boundary of Austin for about 3.4 miles to the common Travis/Bastrop county line and turns generally NE.

11. Then proceeding in a general NE direction along the common Travis/Bastrop county line, part of which is also the common ETJ boundary of Austin and Bastrop, for about 1.2 miles until it turns SE along the common ETJ boundary.

12. Then proceeding in a general SE direction along the common ETJ boundary of Austin and Bastrop for about 0.1 mile to the Austin Water CCN boundary where the Austin CCN boundary turns NE.

13. Then proceeding in a general NE direction along the Austin Water CCN boundary for about 1.5 miles to Jackson Rd. where the CCN boundary turns NW.

14. Then proceeding in a general NW direction for about 0.1 mile to the common Travis/Bastrop county line and turns generally NE.

15. Then proceeding in a general NE direction along the common Travis/Bastrop county line for about 3.7 miles until it intersects with the common ETJ boundary of Austin and Bastrop.

16. Then proceeding in a general NNE direction along the common ETJ boundary of Austin and Bastrop for about 0.7 mile until it turns generally north.

17. Then proceeding in a general north direction along the ETJ boundary of Austin for about 4.8 miles to its intersection with the Colorado River until it turns generally NE.

18. Then proceeding in a general NE direction along the ETJ boundary of Austin for about 1.9 miles until the ETJ turns generally SE.

19. Then proceeding in a general SE direction along the ETJ boundary of Austin for about 1.0 mile until it intersects with the common ETJ boundary of Austin and Webberville and turns generally NE.

20. Then proceeding in a general NE direction along the common ETJ boundary of Austin and Webberville for about 4.1 miles, the last portion of which is along Blake Manor Rd., and continues generally NE.

21. Then proceeding in a general NE and NW direction along the ETJ boundary of Austin following Blake Manor Rd. for about 1.8 miles and it turns generally north.

22. Then proceeding in a general north direction along the ETJ boundary of Austin for about 5.0 miles to its intersection with Littig Road.

23. Then proceeding in a general WNW direction along the Austin ETJ, which is also Littig Road, for about 2.2 miles until it intersects the common ETJ boundary of Austin and Manor and continues along the common ETJ boundary.

24. Then proceeding in a clockwise direction WNW, SW, NW and NE along the common ETJ boundary of Austin and Manor for about 5.6 miles until it intersects with Gregg Manor Road.

25. Then proceeding in a general NNW direction along Gregg Manor Rd., which is the ETJ boundary of Austin for about 0.4 mile until it intersects Fuchs Grove Road and the Austin ETJ.

26. Then proceeding in a general NE direction along the ETJ boundary of Austin near Fuchs Grove Road for about 3.0 miles until it intersects with Cameron Road.

27. Then proceeding in a general NW direction along the ETJ boundary of Austin for about 1.9 mile (Cameron Road) until it and the common ETJ boundary of Austin and Pflugerville turns generally SW.

28. Then proceeding in general SW direction along the common ETJ boundary of Austin and Pflugerville (Cameron Road) for about 1.2 mile until the common ETJ boundary of Austin and Pflugerville turns generally NW.

29. Then proceeding in a general NW direction along the common ETJ boundary of Pflugerville and Austin for about 2.4 miles until the ETJ boundary turns generally SW just east of the intersection of Immanuel Road and Killingsworth Lane.

30. Then proceeding in a general SW direction along the common ETJ boundary of Pflugerville and Austin (east of Immanuel Road) for about 0.5 mile until the ETJ boundary turns generally NW.

31. Then proceeding in a general NW direction along the common ETJ boundary of Pflugerville and Austin (south of Serenity Drive) for about 0.5 mile until the ETJ boundary turns generally NE.

32. Then proceeding in a general NE direction along the common ETJ boundary of Pflugerville and Austin for about 0.4 mile until the ETJ boundary turns generally NW.

33. Then proceeding in a general NW direction along the common ETJ boundary of Pflugerville and Austin (south of St. Croix Ln.) for about 0.4 mile until the ETJ boundary turns generally NE.

34. Then proceeding in a general NE direction along the common ETJ boundary of Pflugerville and Austin for about 0.1 mile until the ETJ boundary turns generally NW.

35. Then proceeding in a general NW direction along the common ETJ boundary of Pflugerville and Austin for about 0.3 mile until the ETJ boundary turns generally NE.

36. Then proceeding in a general NE direction along the common ETJ boundary of Pflugerville and Austin for about 0.5 mile until it turns generally NW.

37. Then proceeding in a general NW direction along the common ETJ boundary of Pflugerville and Austin (north of Olympic Drive) for about 0.2 mile until it turns generally SW.

38. Then proceeding in a general SW direction along the common ETJ boundary of Pflugerville and Austin for about 0.4 mile until it turns generally NW.

39. Then proceeding in a general NW direction along the common ETJ boundary of Pflugerville and Austin for about 0.4 mile until it turns generally SW.

40. Then proceeding in a general SW direction along the common ETJ boundary of Pflugerville and Austin for about 0.4 mile until the ETJ boundary turns generally NW at or near proposed Wells Branch Parkway.

41. Then proceeding in a general NW direction along the common ETJ boundary of Pflugerville and Austin for about 0.3 mile until it turns generally NE.

42. Then proceeding in a general NE direction along the common ETJ boundary of Pflugerville and Austin for about 0.9 mile until it turns generally NW at or near Old Austin-Pflugerville Road.

43. Then proceeding in a general NW direction along the common ETJ boundary of Pflugerville and Austin (Old Austin-Pflugerville Road, Pecan St. and FM 1825) for about 0.7 mile until the ETJ boundary turns generally NE.

44. Then proceeding in a general NE direction along the common ETJ boundary of Pflugerville and Austin (also along or near Central Commerce Dr. and West Pflugerville Loop) for about 0.5 mile until the ETJ boundary turns generally WNW.

45. Then proceeding in a general WNW direction along the common ETJ boundary of Pflugerville and Austin for about 0.2 mile until the ETJ boundary turns generally west at or near White River Blvd.

46. Then proceeding in a general west direction along the common ETJ boundary of Pflugerville and Austin (also along or near Grand Avenue Parkway) for about 0.2 mile until the ETJ boundary turns generally NNW.

47. Then proceeding in general NNW and NNE directions along the common ETJ boundary of Pflugerville and Austin for about 0.3 mile until the ETJ boundary turns generally NW at or near Royston Lane.

48. Then proceeding in a general WNW direction along the common ETJ boundary of Pflugerville and Austin (also along or near Royston Lane) for about 0.1 mile until the ETJ boundary turns generally NW.

49. Then proceeding in a general north direction along the common ETJ boundary of Pflugerville and Austin (also along or near Central Commerce Dr.) for about 0.2 mile until the ETJ boundary turns generally NW.

50. Then proceeding in a general WNW direction along the common ETJ boundary of Pflugerville and Austin (also along or near Picadilly Dr.) for about 0.7 mile until the ETJ boundary turns generally NW.

51. Then proceeding in general NW and west directions along the common ETJ boundary of Round Rock and Austin for about 0.4 mile until the ETJ boundary turns generally SSW at or near Bratton Lane.

52. Then proceeding in a general SSW direction along the common ETJ boundary of Round Rock and Austin for about 0.2 mile (along or near Bratton Lane) until the ETJ boundary turns generally WNW.

53. Then proceeding in a general WNW direction along the common ETJ boundary of Round Rock and Austin for about 0.2 mile until it turns generally NNE.

54. Then proceeding in a general NNE direction along the common ETJ boundary of Round Rock and Austin for about 0.2 mile until it turns generally WNW.

55. Then proceeding in a general WNW direction along the common ETJ boundary of Round Rock and Austin for about 0.7 mile until it turns generally NW at or near FM 1325.

56. Then proceeding in a general NW direction along the common ETJ boundary of Round Rock and Austin for about 0.2 mile until it turns generally west in the vicinity of SH 45.

57. Then proceeding in a general west direction along the common ETJ boundary of Round Rock and Austin for about 1.0 mile until it turns generally SW at or near McNeil Road.

58. Then proceeding in a general SW direction along the common ETJ boundary of Round Rock and Austin (and also along or near McNeil Road) for less than 0.1 mile until it turns generally WNW.

59. Then proceeding in a general WNW direction along the common ETJ boundary of Round Rock and Austin for about 0.1 mile until it turns generally NNW.

60. Then proceeding in a general NNW direction along the common ETJ boundary of Round Rock and Austin for about 2.1 miles until it turns generally SW at or near RM 620.

61. Then proceeding in a general SW direction along the common ETJ boundary of Round Rock and Austin (and also along or near RM 620) for about 0.8 mile until it turns generally SSE.

62. Then proceeding in a general SSE direction along the common ETJ boundary of Round Rock and Austin (and also along the boundary of the Brushy Creek MUD) for about 0.8 mile until it turns generally WSW.

63. Then proceeding in a general WSW direction along the common ETJ boundary of Round Rock and Austin (and also along the boundary of the Brushy Creek MUD) for about 0.6 mile until it turns generally NNW.

64. Then proceeding in a general NNW direction along the common ETJ boundary of Round Rock and Austin (and also along the boundary of the Brushy Creek MUD) for about 0.3 mile until it turns generally SW at or near RM 620.

65. Then proceeding in a general SW direction along the common ETJ boundary of Round Rock and Austin (and also along or near RM 620 and the boundary of Brushy Creek MUD) for about 0.6 mile until it turns generally NNW.

66. Then proceeding in a general NNW direction along the common ETJ boundary of Round Rock and Austin (and also along the boundary of Brushy Creek MUD) for about 0.2 mile until it turns generally WSW.

67. Then proceeding in a general WSW direction along the common ETJ boundary of Round Rock and Austin (and also along the boundary of Brushy Creek MUD) for about 0.2 mile until it turns generally NNW.

68. Then proceeding in a general NNW direction along the common ETJ boundary of Round Rock and Austin (and also along the boundary of Brushy Creek MUD) for about 1.1 mile until it turns generally ENE.

69. Then proceeding in a general ENE direction along the common ETJ boundary of Round Rock and Austin (and also along the boundary of Brushy Creek MUD) for about 0.3 mile until it turns generally NNW.

70. Then proceeding in a general NNW direction along the common ETJ boundary of Round Rock and Austin (and also along the boundary of Brushy Creek MUD and Fern Bluff MUD) for about 1.3 mile until it turns generally WSW at or near Brushy Creek Road.

71. Then proceeding in a general WSW direction along the northern ETJ boundary of Austin that also generally meanders alongside South Brushy Creek, for about 5.0 miles until it turns generally SW at or near US 183.

72. Then proceeding along US 183 North, also called South Bell Blvd., which marks the common ETJ boundary of Cedar Park and Austin for about 0.8 mile until it turns generally WSW.

73. Then proceeding in a general WSW direction along the common ETJ boundary of Cedar Park and Austin for about 0.8 mile until it turns generally SSE.

74. Then proceeding in a general SSE direction along the common ETJ boundary of Cedar Park and Austin for about 0.8 mile until it intersects FM 620 North.

75. Then proceeding in a general WSW direction along FM 620 North, which marks the common ETJ boundary of Cedar Park and Austin for about 1.1 mile until it intersects with FM 2769.

76. Then proceeding in general WNW direction along FM 2769, which marks the common ETJ boundary of Cedar Park and Austin for about 0.9 mile until it turns generally SW along FM 2769.

77. Then proceeding in a general WSW direction along FM 2769 (part of which marks the common ETJ boundary of Cedar Park and Austin) for about 2.7 miles until it intersects with Bullick Hollow Rd.

78. Then proceeding in a general SSE direction along Bullick Hollow Rd. for about 3.0 miles until it intersects with the Austin full purpose city limits as of November 2006 near FM 620.

79. Then proceeding in a general SSW and WSW direction along the full purpose city limits (to include lots annexed for full purpose fronting on FM 620) for about 0.9 mile until the end of the full purpose city limits along FM 620.

80. Then proceeding in a general SSW direction along the west boundary of Cortana for about 2.7 miles until it turns generally SE.

81. Then proceeding in a general SE direction along the west boundary of Cortana for about 0.3 mile until it turns generally SSW.

82. Then proceeding in a general SSW direction along the west boundary of Cortana for about 1.5 mile until it intersects the Colorado River.

83. Then proceeding in a general WSW direction upstream along t he Colorado River, along the border of Commons Ford Park, for about 0.3 mile..

84. Then proceeding in a general SW direction upstream along the Colorado River, along the border of the Balfour Tract, for about 1.0 mile.

85. Then proceeding in a general SSE and SSW direction along the common ETJ boundary of Austin and Bee Caves (which is the border of the Balfour Tract), for about 0.9 mile, until it turns generally SSE.

86. Then proceeding in a general SSE direction along the common ETJ boundary of Austin and Bee Caves (which is the border of the Balfour Tract), for about 0.7 mile, until it intersects FM 2244.

87. Then proceeding in a general east direction along FM 2244 for about 0.1 mile until it intersects the eastern boundary of the Balfour Tract.

88. Then proceeding in a general NNE direction along the border of the Balfour Tract for about 1.6 mile until it turns generally SE.

89. Then proceeding in a general SE direction along the border of the Balfour Tract and Commons Ford Ranch Park for about 0.2 mile to the south corner of Commons Ford Ranch Park.

90. Then proceeding in a general NNE direction along the border of Commons Ford Ranch Park for about 0.3 mile until it turns generally north in an arc.

91. Then proceeding in an approximate arc, following the boundary of Commons Ford Ranch Park for about 0.6 mile as it turns from north to NE.

92. Then proceeding in a general NNW direction along the border of Commons Ford Ranch Park for about 0.3 mile until it intersects the Colorado River.

93. Then proceeding in a general NE direction downstream along the Colorado River for about 1.9 mile.

94. Then proceeding in an approximate arc, following the course of the river for about 3.1 miles as it turns from east to south, and then from south to east.

95. Then proceeding in a general south direction along the WCID#10 boundary for about 1.7 mile until it intersects FM 2244 in the vicinity of Barton Creek Blvd.

96. Then proceeding in a general SW direction along the WCID #10 boundary (and along Barton Creek Blvd.) for about 0.4 mile until the district boundary turns generally SE.

97. Then proceeding in a general SE direction along the WCID #10 boundary for about 0.5 mile until it turns generally SSW.

98. Then proceeding in a general SSW direction along the WCID #10 boundary for about 0.4 mile until its junction with the boundary of Lost Creek MUD and Country Club at or near Barton Creek.

99. Then proceeding in a varying direction from southwest to southeast along the western boundary of Lost Creek Country Club for about 2.4 mile until it turns generally NE.

100. Then proceeding in a general east direction along the boundary of Lost Creek Country Club, Lost Creek MUD and Barton Creek for about 1.0 mile until it intersects with the west property line of the Gaines Ranch.

101. Then proceeding in a general SSW direction along the west property lines of the Gaines Ranch and Chapman tract for about 1.5 mile until it turns generally ESE.

102. Then proceeding in a general ESE direction along the southwest property line of the Chapman Tract for about 0.2 mile until it turns generally SSW.

103. Then proceeding in a general SSW direction along Foster Ranch Rd. for about 0.3 mile until it turns generally WNW.

104. Then proceeding in a general WNW direction for about 1.7 mile, intermittently touching the Austin full purpose city limit as of November 2006, until it turns generally SW.

105. Then proceeding in a general SW direction for about 0.2 mile until it intersects the Austin full purpose city limit as of November 2006.

106. Then proceeding in a general WNW direction along the Austin full purpose city limit as of November 2006 and rear lot lines of property along Southwest Parkway and Barton Creek Blvd for about 1.0 mile until it turns SSW.

107. Then proceeding in a general SSW direction along the back lot lines of lots on Barton Creek Blvd., and continues for about 0.5 mile until the boundary intersects with the full purpose city limits as of November 2006 and turns generally west.

108. Then proceeding in a general west and SSW direction along the Austin full purpose city limit as of November 2006, and along the boundary of the Uplands tract for about 0.6 mile until it intersects with Old Bee Caves Road.

109. Then proceeding in a general west direction along Old Bee Caves Road for about 0.4 mile until it intersects with the boundary of WCID #14 near the eastern right of way of Hwy. 71 and turns generally NE.

110. Then proceeding in a general NE direction along the east boundary of WCID #14 for about 0.4 mile and turns generally NW.

111. Then proceeding in a general NW direction along the east boundary of WCID #14 for about 0.5 mile until it intersects with Hwy 71.

112. Then proceeding in a general NW direction along Hwy. 71, for about 1.5 mile until the boundary intersects with the common ETJ boundary of the Village of Bee Cave and City of Austin.

113. Then proceeding in a general arc from east to west along the common ETJ boundary of the Village of Bee Cave and City of Austin for about 3.5 miles until the ETJ intersects with the boundary of the Wong Tract which is also the Bee Cave CCN boundary.

114. Then proceeding in a general south direction along various portions of the east boundary of the Wong Tract which is also the Bee Cave CCN boundary for about 5.7 miles until it turns generally WNW.

115. Then proceeding in a general WNW direction along the southern boundary of the Wong Tract which is also the Bee Cave CCN boundary for about 0.9 mile until it turns generally NNE.

116. Then proceeding in a general NNE direction along the western boundary of the Wong Tract which is also the Bee Cave CCN boundary for about 0.1 mile until it turns generally east.

117. Then proceeding in a general east direction along the western boundary of the Wong Tract which is also the Bee Cave CCN boundary for about 0.5 mile until it turns generally north.

118. Then proceeding in a general north direction along the western boundary of the Wong Tract which is also the Bee Cave CCN boundary for about 0.5 mile until it turns generally west.

119. Then proceeding in a general east direction along the western boundary of the Wong Tract which is also the Bee Cave CCN boundary for about 0.5 mile until it intersects the Shield-Ayres City of Austin Conservation property and turns generally south.

120. Then proceeding in a general south direction about 0.4 mile along the boundary of the Shield-Ayres City of Austin Conservation Easement property until it turns generally WNW.

121. Then proceeding in a general WNW direction about 0.8 mile along the boundary of the Shield-Ayres City of Austin Conservation Easement property until it turns generally SSW.

122. Then proceeding in a general SSW and NW direction about 3.4 miles along the southern boundary of the Shield-Ayres Private Conservation Easement property until it intersects the Austin ETJ boundary and turns generally SSE.

123. Then proceeding in a general SSE and SSW direction 1.9 miles along the Austin ETJ until it intersects the county line boundary between Travis and Hays and it turns generally SE.

124. Then proceeding in a general SE direction 5.3 miles along the county line boundary between Travis and Hays until it turns generally south at the village limits of Bear Creek.

125. Then proceeding in a general south direction along the common city limits of Austin and Bear Creek and the common ETJ boundary of Austin and Dripping Springs for about 5.1 miles until it turns generally east.

126. Then proceeding in a general east direction along the common ETJ boundary of Austin and Dripping Springs for about 1.0 mile until it intersects with the common Austin ETJ and Hays ETJ.

127. Then proceeding in a general east direction along the common ETJ boundary of Austin and Hays for about 1.7 mile until it turns generally north.

128. Then proceeding in a general north direction along the common ETJ boundary of Austin and Hays which follows various subdivision boundaries for about 4.1 miles until it turns generally east.

129. Then proceeding in a general east direction along the common ETJ boundary of Austin and Hays for about 0.9 mile until it turns generally south.

130. The proceeding in a general south direction along the common ETJ boundary of Austin and Hays for about 1.4 mile until it turns generally east.

131. Then proceeding in a general east and south direction along the common ETJ boundary of Austin and Hays for about 1.6 mile until it intersects the common ETJ boundary of Austin and Buda and turns generally SE.

132. Then proceeding in a general SE direction along the common ETJ boundary of Austin and Buda for about 1.9 mile until it turns generally south.

133. Then proceeding in a general south direction along the common ETJ boundary of Austin and Buda for about 1.2 mile until it turns generally east.

134. Then proceeding in a general east direction along the common ETJ boundary of Austin and Buda for about 1.7 miles to the east frontage road of IH-35 South which marks both the end and beginning points of the Impact Fee Service Area Boundary.

IMPACT FEE CAPITAL IMPROVEMENTS PLAN

City of Austin, Texas
Austin Water Utility

Year 2007 Update

Adopted September 10, 2007

IMPACT FEE 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 Austin must follow to continue to impose its water and wastewater capital recovery fees. This act requires the 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". In 1990, 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 City is to update its land use assumptions and impact fee CIP 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 based on a defined planning period (not to exceed 10 years). The planning period establishes a time frame in which to evaluate capacity made available for new growth as compared to the demand for that capacity represented by the land use assumptions. 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 the 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 simply 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. This update is as comprehensive as previous updates, extensively reworking the list of qualified CIP projects. It continues to exclude projects that are predominately dedicated to existing users, or that may not be constructed 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. In addition, capacity, costs, and service areas were studied on a project by project basis.

The Impact Fee CIP process calculates the maximum allowable fee. This calculation conforms to the state requirement for a credit equal to 50 percent of the total projected cost of implementing the capital improvements plan.

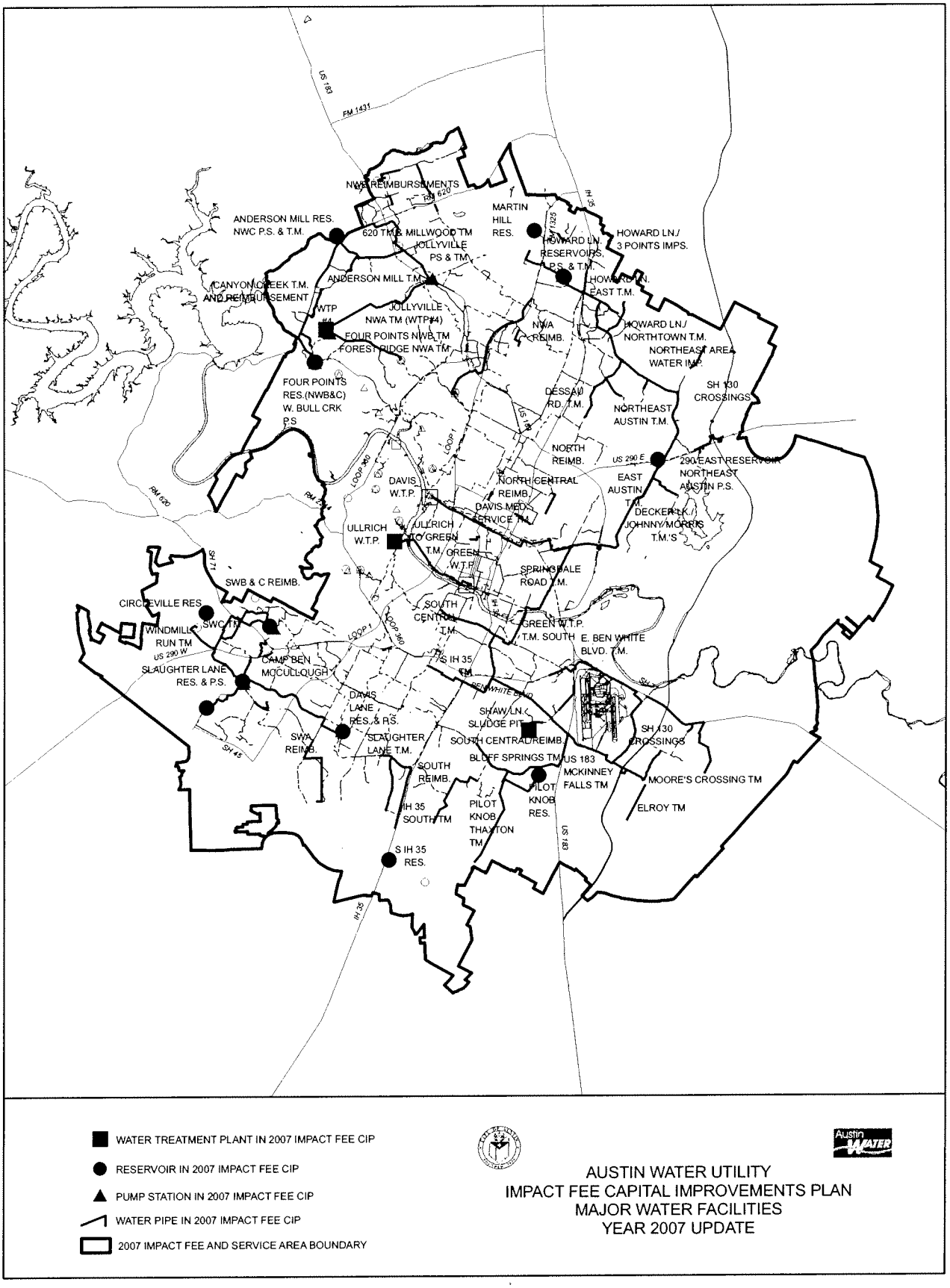
II. FACILITY PLANNING -- DEFINING THE EXISTING LEVEL OF CAPACITY USAGE AND RESERVE CAPACITY NEEDS

Section 395.014 of the impact fee law as codified in the Texas Local Government Code speaks to a capital improvements plan that addresses:

(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 usage of capacity of the existing capital improvements.

Major utility facilities are shown as Maps 1 and 2. These maps also illustrate the location of the Impact Fee CIP projects.


NWC REIMBURSEMENTS
ANDERSON MILL RES.
NWC P.S. & T.M.
620 TM & MILLWOOD TM
JOLLYVILLE PS & TM
MARTIN HILL RES.
HOWARD LN./ 3 POINTS IMPS.
HOWARD LN. RESERVOIRS, P.S. & T.M.
HOWARD LN. EAST T.M.
CANYON CREEK T.M. AND REIMBURSEMENT
ANDERSON MILL T.M.
WTP
JOLLYVILLE NWA TM (WTP#4)
FOUR POINTS NWB TM
FOREST RIDGE NWA TM
NWA REIMB.
HOWARD LN./ NORTHTOWN T.M.
NORTHEAST AREA WATER IMP.
FOUR POINTS RES.(NWB&C) W. BULL CRK P.S.
DESSAU RD. T.M.
SH 130 CROSSINGS
NORTHEAST AUSTIN T.M.
NORTH REIMB.
290 EAST RESERVOIR
NORTHEAST AUSTIN P.S.
EAST AUSTIN T.M.
DAVIS W.T.P.
NORTH CENTRAL REIMB.
DAVIS MED. SERVICE TM
DECKER LK./ JOHNNY MORRIS T.M.'S
ULLRICH W.T.P.
ULLRICH TO GREEN T.M.
GREEN W.T.P.
SPRINGDALE ROAD T.M.
SWB & C REIMB.
CIRCLEVILLE RES.
SWC T.M.
SOUTH CENTRAL T.M.
GREEN W.T.P. T.M. SOUTH
E. BEN WHITE BLVD. T.M.
WINDMILL RUN TM
CAMP BEN MCCULLOUGH
IH 35 T.M.
SLAUGHTER LANE RES. & P.S.
DAVIS LANE RES. & P.S.
SHAW LN. SLUDGE PIT
SWA REIMB.
SLAUGHTER LANE T.M.
SOUTH CENTRAL REIMB.
SH 130 CROSSINGS
BLUFF SPRINGS TM
US 183
MCKINNEY FALLS TM
SOUTH REIMB.
PILOT KNOB RES.
MOORE'S CROSSING TM
IH 35 SOUTH TM
PILOT KNOB THAXTON TM.
ELROY TM
S IH 35 RES.
WATER TREATMENT PLANT IN 2007 IMPACT FEE CIP
RESERVOIR IN 2007 IMPACT FEE CIP
PUMP STATION IN 2007 IMPACT FEE CIP
WATER PIPE IN 2007 IMPACT FEE CIP
2007 IMPACT FEE AND SERVICE AREA BOUNDARY
AUSTIN WATER UTILITY
IMPACT FEE CAPITAL IMPROVEMENTS PLAN
MAJOR WATER FACILITIES
YEAR 2007 UPDATE

MAP 1
CIP-2

BRUSHY CREEK SYSTEM
US 183
FM 1431
RM 620
DAVIS SPRINGS L.S. & INT.
LAKE CREEK INT.
STANZEL
JB MERRIL TOWN
FM 1325
IH 35
WELLS BRANCH
DESSAU UTILITIES WWTP
UPPER WALNUT
DELL
IBM TIVOLI
UPPER HARRIS BRANCH INT.
HARRIS BRANCH INT.
PIONEER'S CROSSING
HARRIS BRANCH WWTP
US 183
LOOP 360
LOOP 1
IH 35
US 290 E
RM 620
RM 2244
TRIANGLE SQUARE
LITTLE WALNUT CREEK INT.
WALNUT CREEK INT.
WILD HORSE WWTP & MAIN
SHOAL CREEK
RMMA
WOODLANDS SER
WALNUT CREEK WWTP
SH 71
TRAVIS COUNTRY L.S. & F.M.
CENTRAL AUSTIN TUNNEL
GOVALLE WWTP
NORTHEAST SUB-REGIONAL WWTP SITE
OAKHILL BR.WILLIAM SON CREEK INT.
US 290 W
US 290
GOVALLE I. & D.
HORNSBY BEND
IH 35
METRO CENTER
SH 71
N. & S. WILLIAMSON CREEK INT.
BEN WHITE BLVD
SLAUGHTER CREEK NORTH BANK
WILLIAMSON CREEK INT.
WATERS EDGE SER
SAR WWTP
SH 45
SLAUGHTER CREEK SOUTH BRANCH
SLAUGHTER CREEK NORTH BRANCH
GARFIELD WWTP
SLAUGHTER CREEK INT. CULLEN/ SOUTHLAND
COLTON BLUFF SER
BERDOLL FARMS L.S. & F.M.
ONION CREEK INTERCEPTOR
US 183
AKINS H.S.
MANCHACA GARDENS
ZACHERY SCOTT SER
IH 35
N
WASTEWATER TREATMENT PLANT IN 2007 IMPACT FEE CIP
LIFT STATION IN 2007 IMPACT FEE CIP
WASTEWATER PIPE IN 2007 IMPACT FEE CIP
2007 IMPACT FEE AND SERVICE AREA BOUNDARY
Austin WATER
AUSTIN WATER UTILITY
IMPACT FEE CAPITAL IMPROVEMENTS PLAN
MAJOR WASTEWATER FACILITIES
YEAR 2007 UPDATE

MAP 2
CIP-3

Table 1 Water Impact Fee Projects

(Costs in 1000's)

Fund	Agy	Org			Project Description	Size	Pressure Zone	Completion Date	Cost to Build	Interest Cost
City Construction										
3880	227	0911	3889.001		CANYON CREEK 30	30"	Northwest C	1987	1,231	1,311
3920	227	7218	5038.001	part	NWC PUMP STATION & TM	16 mgd 24/36"	Northwest C	2010	400	0
3920	227	7227	5038.001	part	NWC PUMP STATION & TM	16 mgd 24/36"	Northwest C	2010	2	0
PLAN	227	P163	5038.001	part	NWC Pump Station	16 mgd 24/36"	Northwest C	2010	4,663	4,966
				group	NWC PUMP STATION & TM group	16 mgd 24/36"	Northwest C	2010	5,065	4,966
3830	227	0465	793.002		ROUTE 620 TRANSMISSION MAIN	24"	Northwest B	2000	2,085	2,221
3750	227	0824	2919.001		MILLWOOD NWB TRANSMISSION MAIN	16"	Northwest B	1993	164	175
3820	227	0484	1086.001	part	JOLLYVILLE TRANSMISSION MAIN	48"	Northwest B	2001	5,105	5,437
3810	227	0485	1086.001	part	JOLLYVILLE TRANSMISSION MAIN	48"	Northwest B	2001	3,033	3,230
3810	227	0486	1086.002	part	JOLLYVILLE TM PHASE II	48"	Northwest B	2001	926	986
3960	227	7330	1086.002	part	JOLLYVILLE TM PHASE II	48"	Northwest B	2001	208	222
				group	JOLLYVILLE TM group	48"	Northwest B	2001	9,272	9,875
3820	227	0480	3897.001		JOLLYVILLE PUMP STATION	45mgd	Northwest B	1989	6,160	6,560
3820	227	0490	793.001		ANDERSON MILL TRANSMISSION MN 24"	24"	Northwest B	1996	3,262	3,474
3810	227	0491	793.001		ANDERSON MILL TRANSIMISSION MAIN 16"	16"	Northwest B	2001	1,474	1,570
3820	227	0494	3616.001		ANDERSON MILL RESERVOIR total>	3 mg	Northwest B	1989	4,148	4,418
PLAN	227	P046	6683.005		Four Points/NWB TM	36"	Northwest B-Bull & C west	2013	499	531
3840	227	0455	2032.001		FOUR POINTS RESERVOIRS (NWB&C) total>	8mg	Northwest B-Bull & C west	1988	5,194	5,532
3750	227	7215	2006.003		WEST BULL CREEK P.S. engineering	5.8-B 10.4-C	Northwest B-Bull & C west	2007	108	115
3780	227	0540	2014.001		NORTHWEST A PRES ZONE RES Martin total	34 mg	Northwest A	1988	8,361	8,904
3890	227	0799	4814.003	part	HOWARD LN PUMP STATION & TM sizing >	54/42/36/24	Northwest A/B/C east path	2001	5,193	5,531
4210	227	7205	4814.003	part	HOWARD LANE PRESSURE ZONE IMP (PS)	43/65 mgd	Northwest A/B/C east path	2001	10,000	10,650
3920	227	7206	4814.004	part	HOWARD LANE PRESSURE ZONE IMPR (PS)	43/65 mgd	Northwest A/B/C east path	2001	1,922	0
				group	HOWARD LANE PUMP STATION & TM group	43/65 mgd	Northwest A/B/C east path	2001	17,115	16,181
3920	227	7837	4758.002		16 in FM 1825 Interconnect	16"	Northwest A	2006	709	0
3960	227	7905	4814.002		HOWARD LANE EAST TM	36"	Northwest A	1998	4,765	5,075
PLAN	227	P044	6683.003		Forest Ridge/NWA TM	48"	Northwest A	2013	7,852	8,362
					Jollyville NWA TM (Plant 4)	84"	Northwest A/B/C - part	2013	51,950	55,327
3810	227	0475	2939.001		DESSAU RD TRANSMISSION MAIN	16"	North	1990	934	995
3890	227	7017	2090.005		DECKER LAKE TM/JOHNNY MORRIS	16/24"	North	1999	462	492

Table 1 Water Impact Fee Projects

(Costs in 1000's)

Fund	Agy	Org			Project Description	Size	Pressure Zone	Completion Date	Cost to Build	Interest Cost
City Construction										
3890	227	0740	3779.001		NORTHTOWN TRANS MAIN	48"	North, NWA/B/C-east path	1988	610	650
3890	227	0735	2088.001		HOWARD LN/NORTHTOWN TRANS MAIN	48"	North, NWA/B/C-east path	1989	3,593	3,827
3890	227	7012	4814.001		NORTH/EAST AREA WATER IMP. Samsung	48"	North, NWA/B/C-east path	1999	1,718	1,830
3890	227	0745	3783.001		NE AUSTIN PUMPING STATION	55 mgd	North, NWA/B/C-east path	1989	1,974	2,102
3890	227	0760	844.001		NE AUSTIN TRANS MAIN	54/48"	North, NWA/B/C-east path	1997	6,657	7,090
3760	227	0510	3620.001		US 290 EAST RESERVOIR	12MG	North Central	1987	2,144	2,283
3760	227	0505	3618.001		East Austin TRANS MAIN	66"	N-Central, N, NWA/B/C east	1989	8,203	8,736
3810	227	0453	2937.001		SPRINGDALE ROAD 48" TM	48"	N-Central, N, NWA/B/C east	1998	6,118	6,516
3970	227	7154	1168.004	part	ULLRICH TO GREEN TM	72"	N-Central, N, NWA/B/C east	2001	25,987	27,676
3760	227	7010	1168.003	part	CENTRAL AREA WATER IMP. Engineering	72/48"	N-Central, N, NWA/B/C east	2001	4,461	4,751
				group	ULLRICH TO GREEN TM group	72"	N-Central, N, NWA/B/C east	2001	30,448	32,427
3960	227	7747	6935.010		SH130 Crossings	24"	Central	2006	300	320
PLAN	227	P030	6935.001		Davis Medium Service TM	72"	North Central	2013	17,424	18,557
PLAN	227	P034	6935.004		U S 183 South/McKinney Falls Pkwy TM	24"	South Central	2013	1,960	2,087
3860	227	0715	3761.001	part	GREEN WTP TRANS. MAIN SOUTH	60"	South Central	1989	1,572	1,674
3810	227	0441	3612.001	part	GREEN WTP TRANSMISSION MAIN south funding	60"	South Central	1989	4,049	4,312
				group	GREEN WTP TRANS MAIN SOUTH group	60"	South Central	1989	5,621	5,986
3860	227	0727	3769.001		BLUFF SPRINGS TRANS MAIN II	36"	South Central	1988	1,913	2,037
3770	227	0528	3626.001		BLUFF SPRINGS RESERVOIR PILOT KNOB	10 mg	South Central	1989	2,139	2,278
3770	227	0500	3617.001	part	BLUFF SPRINGS TRANS MAIN PILOT KNOB	48"	South Central	1992	7,466	7,951
3900	227	0922	3898.001	part	PILOT KNOB TRANS MAIN SECIII	48"	South Central	1992	1,805	1,922
3900	227	0925	3901.001	part	BURLESON RD TRANSMISSION MAIN	48"	South Central	1992	478	509
				group	PILOT KNOB TRANS MAIN group	48"	South Central	1992	9,749	10,383
3770	227	0535	3628.001		SOUTH CENTRAL TRANS MAIN	48"	South Central	1987	4,578	4,876
3900	227	0890	3871.001		E BEN WHITE BLVD TRANS MAIN	24"	South Central	1993	3,506	3,734
3900	227	0945	2097.001		ELROY TRANSMISSION MAIN	36"	South Central	2013	4,960	5,282
3900	227	0955	2963.001		MOORE'S CRSG RESERVOIR & TRANS	36"	South Central	1990	2,402	2,558
3860	227	0721	3766.001		SOUTH IH 35 TRANSMISSION MAIN	36"	South	1988	2,812	2,995
3900	227	0895	3876.001		SLAUGHTER LN TRANSMISSION MAIN	36/30/24"	South	1992	2,673	2,847
PLAN	227	P042	6937.002		IH 35 South Reservoir -- site	site	South	2008	400	426
PLAN	227	P096	6937.002		IH 35 S Reservoir design & construct	3mg	South	2012	4,100	4,367
PLAN	227	P041	6937.001		IH 35 South TM	36"	South	2013	4,350	4,633
PLAN	227	P031	3368.002		Pilot Knob/Thaxton Road TM	48"	South	2013	11,443	12,187

Table 1 Water Impact Fee Projects

(Costs in 1000's)

Fund	Agy	Org			Project Description	Size	Pressure Zone	Completion Date	Cost to Build	Interest Cost
City Construction										
3750	227	0817	3825.001		SWB CAMP BEN MC CULLOUGH REALL	16"	Southwest B	1992	504	537
3750	227	0875	3859.001		WINDMILL RUN SW B TRANS MAIN	36"	Southwest B	1990	1,962	2,090
4200	227	7722			SWC Pressure Zone Pump Station	8.2 mgd	Southwest C	2006	5,932	6,318
3920	227	7255	4800.005	part	CIRCLEVILLE RESERVOIR	1.25 mg	Southwest C	2001	25	0
4200	227	7716	4800.005	part	CIRCLEVILLE RESERVOIR	1.25 mg	Southwest C	2001	2,322	2,473
				group	CIRCLEVILLE RESERVOIR group	1.25 mg	Southwest C	2001	2,347	2,473
3960	227	7230	4800.022		SWC PRESSURE ZONE TM PHASE 1	30"	Southwest C	2007	3,800	4,047
4200	227	7726	4800.022		SWC Pressure Zone Ph 1	30"	Southwest C	2007	2,753	2,932
4200	227	7725	4800.021		SWC PRESSURE ZONE IMP PH2	30"	Southwest C	2007	1,970	2,098
4210	227	7158	5335.001	part	ULLRICH WTP 167 MDG IMPS 100 to 167	67 mgd exp	Ullrich Service	2007	31,825	33,894
3960	227	7169	5335.001	part	ULLRICH WTP 167 MGD IMPROVEMENT	67 mgd exp	Ullrich Service	2007	40,361	42,984
4240	227	7161	5335.002	part	ULLRIC 167 MGD EXP/167 MGD CON 1	67 mgd exp	Ullrich Service	2006	2,877	3,064
4240	227	7160	5335.001	part	ULLRICH WTP 167 MGD IMPROVEMENT	67 mgd exp	Ullrich Service	2007	25,083	26,713
				group	ULLRICH WTP 100 to 167 mgd group	67 mgd exp	Ullrich Service	2007	100,146	106,655
3960	227	7121			SHAW LN LIME SLDG PIT NO.2 DEV	34 acre	Entire System	2008	600	639
3840	227	0951	6683.002	part	Water Treatment Plant #4	50 mgd	Plant 4 Service	2013	112,465	119,775
PLAN	227	P053	6683.002	part	Water Treatment Plant #4	50 mgd	Plant 4 Service	2013	146,625	156,156
3840	227	7171	6683.007	part	WTP #4 Perimeter Fencing	50 mgd	Plant 4 Service	2013	128	136
				group	WTP #4 group	50 mgd	Plant 4 Service	2013	259,218	276,067
Developer Reimbursements										
3880	227	0770	3798.001		APPROACH MAIN-OVERSIZE	16/24"	Entire System	1995	1,111	1,183
3960	227	2022	3353.027		CANYON CREEK Subdivision Reimbursement	24"	Northwest C	2002	1,100	1,172
				group	Developer Reimbursements Northwest C = 1	24"	Northwest C	2002	1,100	1,172
3920	227	7961	3041.001		DAVIS SPRINGS SERVICE EXTENSION	24"	Northwest B	1997	941	0
3920	227	2013	3353.018		AVERY RANCH BLVD WEST TM	24/36/48	Northwest B	2006-2010	1,563	0
3960	227	2040	3353.018		AVERY RANCH SERVICE EXTENSION	24/36/48"	Northwest B	2006-2010	12,227	13,022
3920	227	2029	3353.035		TXDOT CEDAR PARK CAMPUS	24"	Northwest B	2001	525	0
3960	227	2026	3353.038		STONE HEDGE Subdivision	24"	Northwest B	2004-2010	12,258	13,055
				group	Developer Reimbursements Northwest B = 4	36"	Northwest B	2010	27,514	26,077
3960	227	2018	3353.022		AMAX SELF STG REIMBURSEMENT	24"	Northwest B&C	2006	210	210
				group	Developer Reimbursements Northwest B&C = 1		Northwest B&C	2006	210	210
3920	227	2007			DELL WATER	24"	Northwest A	1998	1,003	0
3920	227	7056	3353.019		IBM TIVOLI	16"	Northwest A	2002	341	0
3920	227	2028	3353.032		HOWARD LANE SERVICE EXTENSION	24/16"	Northwest A	2000	220	0
3960	227	2047	3353.065		SCHULTZ 45AC TRCT WTR SER #2289	24"	Northwest A	2007	216	230
				group	Developer Reimbursements Northwest A = 4	24"	Northwest A	2007	1,780	230

Table 1 Water Impact Fee Projects

(Costs in 1000's)

Fund	Agy	Org		Project Description	Size	Pressure Zone	Completion Date	Cost to Build	Interest Cost
Developer Reimbursements									
3960	227	7899	3353.042	PARMER PARK TM REIMBURSEMENT	24"	North	2002	871	928
3960	227	2031	3353.033	PIONEER CROSSING, ph2, ser1825	24"	North	2004	728	775
3960	227	2043	3353.060	PIONEER CROSSING AMENDED PUD N	24"	North	2007	1,170	1,246
3960	227	7921	3353.043	DESTINATION PARK/TND TM (Morse)	24"	North	2007	1,545	1,645
3920	227	2002	3353.007	JORDAN CROSSING SERVICE EXT	24"	North	2006-2010	194	0
3920	227	7970	3353.007	JORDAN CROSSING SERV EXTEN	24"	North	2006-2010	1,057	0
3890	227	7016		DECKER LAKE 24" TM (WSER 1745)	24"	North	1996	1,468	1,563
				DECKER LAKE 24" TM ENGINEERING	24"	North	1996	272	290
3960	227	7791	5028.002	RMMA REIMBURSEMENT (CATELLUS)	16/24"	North	2008	10,360	11,033
3960	227	2017	5815.002	TRIANGLE SQUARE REIMBURSEMENT	16/24"	North	2005	413	440
				group Developer Reimbursements North = 7	36" equivalent	North	2010	18,078	17,921
3960	227	2023	3353.028	WILD HORSE RANCH WATER REIMBURSEMENT	24/36"	North and N. Central	2005-2014	14,500	15,443
				group Developer Reimbursements North & Central = 1	24/36"	North and N. Central	2005-2014	14,500	15,443
3960	227	2039	3353.049	ROBERTSON HILL DEVELOPMENT - WATER	16"	North Central	2006	350	373
3960	227	2050	3353.069	UNIVERSITY NGHBRHD OVERLAY DSTR	24"	North Central	2005	1,935	2,061
				group Developer Reimbursements North Central =2	24"	North Central	2008	2,285	2,434
3960	227	2046	3353.063	JOHNSON RIDGE TRACT WTR SER 2257	36"	South Central	2008	6,218	6,622
3960	227	2034	3353.052	DEL VALLE JR HIGH #TWO WATER	24"	South Central	2005	349	372
3960	227	2041	3353.059	PEARCE LANE TRACT	36"	South Central	2004	5,205	5,543
3900	227	2055	3353.073	Watersedge PUD	24"	South Central	2007	3,899	4,152
3960	227	7898	3353.041	BERDOLL FARMS DIST MAIN REIM	16"	South Central	2005	116	124
				group Developer Reimbursements South Central =5	36"	South Central	2007	15,787	16,813
3960	227	2033	3353.053	COLTON BLUFF SUBDIVISION WATER	24"	South	2006	688	733
3960	227	2045	3353.062	ZACHRY SCOTT TRCT WTR SER#2259	24"	South	2006	3,429	3,652
3960	227	2048	3353.066	RIDDELL/ADAMS EXTRCT TRCTS WTR	36"	South	2006	3,978	4,237
3960	227	2054	3353.074	Alexan Onion Creek	36"	South	2006	760	809
3960	227	2052	3353.072	Goodnight Ranch	24/36"	South	2007	3,796	4,043
				group Developer Reimbursements South = 5	36"	South	2007	12,651	13,473
3960	227	2049	3353.068	CIRCLE C CCR 103 WATER LINE	16"	Southwest B	2005	3,600	3,834
				group Developer Reimbursements Southwest A&B = 1	16"	Southwest B	2005	3,600	3,834
3960	227	2025	3353.030	Pickard Tract (old Barker Pickard)	24/16"	Southwest A	2004	978	1,042
				group Developer Reimbursements Southwest A = 1	24"	Southwest A	2004	978	1,042
3920	227	2004	3353.008	LANTANA SERV. EXT. PS 14 mgd SWB (small 36&1	14 mgd PS	Southwest B&C	2001	1,360	0
3920	227	7963	3353.008	Lantana Water Service Ext	14 mgd PS	Southwest B&C	2002	558	0
3920	227	7975	3353.008	LANTANA SERVICE EXTENSION	14 mgd PS	Southwest B&C	2000	1,337	0
				group Developer Reimbursements Southwest B & C = 1	14 mgd PS	Southwest B&C	2002	3,255	0
3960	227	2020	3353.025	TRAVIS COUNTRY WEST Reimbursement	2.1 mgd PS, 1(	Southwest C	2003	2,161	2,301
				group Developer Reimbursements Southwest C = 1	2.1 mgd PS, 1(	Southwest C	2003	2,161	2,301

Table 1 Water Impact Fee Projects
(Costs in 1000's)

Fund	Agy	Org	Project Description	Size	Pressure Zone	Completion Date	Cost to Build	Interest Cost
Contract Revenue Bond Projects								
			Circle C MUD #3 Southwest A&B Facilities					
			Southwest A Site Development CC#3-MUD	na	Southwest A/B/C	1988	266	283
		85/22-78	Southwest B Pump Station CC#3 MUD	22 mgd	Southwest B	1988	2,290	2,439
		85/22-77	Southwest B 36" Transmission Main CC#3-MUD	36-inch	Southwest B	1988	1,130	1,203
			Southwest B 16" Trans Main CC#3-MUD	16-inch	SWB	1988	197	210
			Southwest B Reservior #1 CC#3-MUD total	2 mg	SWB	1988	1,903	2,027
			Southland Oaks MUD Facilities					
			Davis Lane Reservoir SO-MUD add 10 to 20 mg	10 mg	South	1988	1,819	1,937
			Davis Lane TM (PS discharge) SO-MUD	48"	Southwest A/B/C	1987	220	234
			Village at Western Oaks MUD Southwest A Zone Facilities					
		85/22-65	Davis Lane Pump Station VWO-MUD	60 mgd	Southwest A/B/C	1988	5,758	6,132
			Maple Run at Austin MUD Southwest A Zone Facilities					
			SWA 48" Interconnector MR-MUD	48-inch	Southwest A/B/C	1987	1,016	1,082
		85/22-79	SWA TM Phases 1,1A,2,3,4A,4B MR-MUD	48-inch	Southwest A/B/C	1987	4,501	4,794
		85/22-76	SWA Storage Tank (Slaughter Lane) MR-MUD	6 mg	Southwest A/B/C	1988	1,256	1,338
			North Central Austin Growth Corridor MUD #1					
		82/22-40	Howard Lane Reservoirs NCAGC-MUD total	20 mg	North	1987	3,824	4,073

Table 2 Wastewater Impact Fee Projects

(Costs in 1000s)

Fund	Agy	Org		Ser. No.	Project Description	Size	Drainage Basin	Completion Date	Cost to Build	Interest Cost
City Construction										
4570	237	P053		7025.001	Garfield Tract 0.3 MGD WWTP	0.3 mgd	Dry Creek South	2010	2,450	2,609
4300	237	0255	part	4197.001	ONION CRK INTRCPTR	54"	Slaughter	1986	1,965	2,093
4320	237	0500	part	4292.001	ONION CK INTER EXIST to BOGGY CK	54"	Slaughter	1989	2,351	2,504
4370	237	0920	part	4577.001	ONION CREEK INTERCEPTOR	54"	Slaughter	1986	627	668
			group		ONION CREEK INTERCEPTOR above tunnel group	54"	Slaughter	1986	4,943	5,264
4320	237	0526	part	4299.001	ONION CK INTERCEPTOR PH 4 tunnel	84"	Onion/Slaughter	1986	11,568	12,320
4320	237	0525	part	4577.001	ONION CREEK INT REALLO tunnel	84"	Onion/Slaughter	1986	10,576	11,263
			group		ONION CREEK INTERCEPTOR TUNNEL group	84"	Onion/Slaughter	1986	22,144	23,583
4300	237	0306		4221.001	WILLIAMSON CREEK INT PH II	42"	Williamson	1989	820	873
4300	237	0845		4534.001	OAK HILL BR-OF WMSON CK INTER	30"	Williamson	1989	1,533	1,633
PLAN	237	P144	part	448.002	WILLIAMSON CREEK TUNNEL & GRAVITY INTERCEPTOF	66"	Williamson	2015	22,000	23,430
4540	237	8896	part	448.002	Lower Williamson Creek Interceptor	66"	Williamson	2015	940	1,001
4360	237	0365	part	448.002	Williamson Creek Interceptor	66"	Williamson	2015	561	597
4480	237	8895	part	448.002	Lower Williamson Crk Interceptor	66"	Williamson	2015	237	0
			group		Lower Williamson Creek Interceptor group	66"	Williamson	2015	23,738	25,029
4480	237	8890	part	810.001	UPPER WALNUT CRK INTERCEPTOR	36"	Up. Walnut	2002	614	0
4530	237	8891	part	810.001	UPPER WALNUT CREEK INT	36"	Up. Walnut	2002	8,362	8,906
			group		UPPER WALNUT CREEK INTERCEPTOR group	36"	Up. Walnut	2002	8,976	8,906
4330	237	0540		393.002	LITTLE WALNUT CREEK	42" & 60"	Little Walnut	1993	5,314	5,659
4570	237	8580	part	4926.028	ACWP-Little Walnut/Buttermilk	60"	Little Walnut	2006	15,181	16,168
4480	237	8686	part	4926.028	ACWP-Little Walnut/Buttermilk	60"	Little Walnut	2006	1,024	0
			group		ACWP-Little Walnut/Buttermilk group	60"	Little Walnut	2006	16,205	16,168
4570	237	8584		4926.037	ACWP- Shoal Creek 29th to 34th	66"	Shoal Creek	2006	9,358	9,966
PLAN	237	P017	part	4769.011	Upper Harris Branch Interceptor	24"	Harris Branch	2014	4,700	5,006
4410	237	0696	part	4769.011	Upper Harris Branch WW Interceptor	24"	Harris Branch	2014	454	484
			group		Upper Harris Branch WW Interceptor group				5,154	5,489
4480	237	8279		7265.002	Purchase of Dessau Utilities	.5 mgd plant,4100 gpm LS, 16" FM	Dessau/Harris	2006	2,400	0
4410	237	0695		4769.010	HARRIS BRANCH INTERCEPTOR segment	27/30"	Harris Branch	2009	3,800	4,047
4570	237	P136		7265.003	Harris Branch Pkg WWTP expansion to 0.6 mgd	0.6 mgd	Harris Branch	2007	1,200	1,278

Table 2 Wastewater Impact Fee Projects

(Costs in 1000s)

Fund	Agy	Org		Ser. No.	Project Description	Size	Drainage Basin	Completion Date	Cost to Build	Interest Cost
City Construction										
4570	237	P139		7265.006	Northeast Subregional WWTP Site	site for 15 mgd	Gilleland	2009	5,000	5,325
4480	237	8826		4769.008	WILDHORSE NW INTERCEPTOR PH2	15/24/30"	Decker-Gilleland	2007	3,700	0
4570	237	P909		4769.015	Wildhorse North Interceptor Ext No. of 290	36"	Gilleland	2006	3,200	3,408
4310	237	0515	part	4295.001	GOVALLE INTERCEPT AND DIVERSION	96"	Govalle/SAR part	1990	2,813	2,996
4360	237	0375	part	4295.001	GOVALLE INTERCEPT AND DIVERSION	96"	Govalle/SAR part	1990	700	746
4390	237	0775	part	4295.001	GOVALLE INTERCEPT AND DIVERSION	96"	Govalle/SAR part	1990	775	825
4400	237	0436	part	4688.001	GOVALLE INTERCEPT AND DIVERSION	96"	Govalle/SAR part	1990	38,085	40,561
			group		GOVALLE INTERCEPT AND DIVERSION group	96"	Govalle/SAR part	1990	42,373	45,127
4570	237	8711	part	5481.001	N Austin Wastewater Interceptor	96"	Govalle/SAR part	2011	2,563	2,730
4300	237	0472	part	5481.001	N Austin Outfall Evaluation	96"	Govalle/SAR part	2005	532	567
PLAN	237	P006	part	5481.001	N Austin Wastewater Interceptor	96"	Govalle/SAR part	2011	40,025	42,627
			group		N Austin Wastewater Interceptor group	96"	Govalle/SAR part	2011	43,120	45,923
4320	237	8171	part	3333.001	SAR TRAIN C EXP & IMP DESIGN 50 to 75	25 mgd exp	SAR service	2003	8,375	8,919
4540	237	8173	part	3333.001	SAR WWTP EXP & IMP 50 to 75--Design	25 mgd exp	SAR service	2003	10,573	11,260
4540	237	8174	part	3333.005	SAR L.S. Interconnect Tunnel	25 mgd exp	SAR service	2006	3,941	4,197
4540	237	8175	part	3333.006	SAR Train C South	25 mgd exp	SAR service	2006	24,326	25,907
4540	237	8176	part	3333.007	SAR Train C North	25 mgd exp	SAR service	2006	26,604	28,333
4540	237	8177	part	3333.008	SAR New Electrical Substation	25 mgd exp	SAR service	2007	13,247	14,108
4590	237	8841	part	3333.006	SAR Train C South	25 mgd exp	SAR service	2006	6,170	6,571
4590	237	8842	part	3333.007	SAR Train C North	25 mgd exp	SAR service	2006	2,886	3,074
PLAN	237	P146	part	3333.007	SAR Train C North	25 mgd exp	SAR service	2006	1,490	1,587
			group		SAR WWTP 50 to 75 MGD EXPANSION group	25 mgd exp	SAR service	2006	97,612	103,957
4440	237	8154	part	3023.017	WALNUT CRK WWTP 75 MGD HYD 60 to 75	15 mgd exp	Walnut service	2004	8,623	9,183
4340	237	0991	part	3023.017	Walnut Creek 75 Mgd In House	15 mgd exp	Walnut service	2005	737	785
4380	237	8162	part	3023.017	Walnut Creek 75 Mgd Upgrad Ph1	15 mgd exp	Walnut service	2005	8,102	8,629
4590	237	8161	part	3023.017	Walnut Creek Wwtp Ext & Imp	15 mgd exp	Walnut service	2004	10,000	10,650
4370	237	0927	part	4579.001	WALNUT CREEK WWTP PHASE III 60 to 75	15 mgd exp	Walnut service	2004	15,483	16,489
4440	237	0725	part	3023.003	WALNUT CRK WWTP 60 to 75 MGD	15 mgd exp	Walnut service	2004	20,474	21,805
4480	237	8158	part	00/23-22	WALNUT CREEK WWTP EXP & IMP 60 to 75	15 mgd exp	Walnut service	2002	2,080	0
			group		WALNUT CREEK WWTP60 TO 75 MGD group	15 mgd exp	Walnut service	2005	65,499	67,541
4570	237	8144	part	3164.016	HORNSBY BEND INLET SCREENS	15dt/day exp	Entire System	2014	1,657	1,765
4480	237	8149	part	3164.034	Hornsby Bend Sidestream Trmt Plant Rebuild	15dt/day exp	Entire System	2014	2,050	0
PLAN	237	P047	part	3164.033	Hornsby Bend SAR Digester House Rebuild	15dt/day exp	Entire System	2012	1,000	1,065
4570	237	P037	part	3164.023	Hornsby Bend 2 Add'l GBTs	15dt/day exp	Entire System	2012	1,450	1,544
4570	237	P038	part	3164.024	Hornsby Bend Additional Inlet Screens	15dt/day exp	Entire System	2012	950	1,012
			group		Hornsby Bend Sludge Processing Increase 55 to 70 dry ton/	15dt/day exp	Entire System	2014	7,107	5,386

Table 2 Wastewater Impact Fee Projects
(Costs in 1000s)

Fund	Agy	Org		Ser. No.	Project Description	Size	Drainage Basin	Completion Date	Cost to Build	Interest Cost
Developer Reimbursements										
4480	237	8020		3351.001	CULLEN/SOUTHLAND SERVICE EXT	760 gpm L 12"FM/18"	Slaughter	1997	428	0
4480	237	8973		3351.001	CULLEN/SOUTHLAND SVC EXTENTION	12"FM/18"	Slaughter	1997	333	0
4480	237	3009		3353.016	AKIN high school	18"	Slaughter	2000	459	0
			group		Developer Reimbursements Slaughter Basin = 2	18"	Slaughter	2000	1,220	
4480	237	8021		3353.007	JOURDAN CROSSING WW LLINE (Samsung)	48"	Walnut Creek	1998	1,604	0
4480	237	8970		3353.007	JOURDAN CROSSING SVC EXTENTIO (Samsung)	48"	Walnut Creek	1998	802	0
4480	237	3007		3353.011	DELL 18" WASTEWATER LINE	18"	Walnut Creek	2000	652	0
4570	237	8921		3353.043	DESTINATION PARK/TND COLL LINE	15"	Walnut Creek	2007	1,200	1,278
4570	237	8222		3353.017	Balcones Lift Station Relief (STANZEL BROTHERS)	24"	Walnut Creek	2002	1,576	1,678
			group		Developer Reimbursements Walnut Creek Basin = 4	24"	Walnut Creek	2007	5,834	2,956
4480	237	8961		3041.001	DAVIS SPRINGS SERVICE EXT.	3600 gpm LS 16"FM/18"	Lake Creek	1996	1,476	0
4570	237	NEW		NEW	Lake Creek LS Capacity Increase	4200 gpm exp.	Lake Creek	2007	500	533
			group		Developer Reimbursements Lake Creek Basin =2	4200 gpm exp.	Lake Creek	1996	1,976	533
4570	237	8898		3353.041	BERDOLL FARMS L.S. & FM REIMBU	900 gpm, 12"	Dry Creek	2000	988	1,052
4570	237	3017		5815.002	TRIANGLE SQUARE	18"	Waller Creek	2005	1,193	1,271
4570	237	3039		3353.049	Robertson Hill Development WW	15"	Waller Creek	2006	200	213
			group		Developer Reimbursements Waller Creek = 2	18"	Waller Creek	2006	1,393	1,484
4480	237	3002		3353.013	METRO CENTER SERVICE EXT	24"	Carson	1998	24	0
4480	237	8964		3353.013	METRO CENTER SERVICE EXT	24"	Carson	1999	77	0
4480	237	8976		3353.013	METRO CENTER SERVICE EXT	24"	Carson	2000	50	0
			group		Developer Reimbursements Carson Creek Basin = 1	24"	Carson	2000	151	0
4430	237	0993		3353.006	TRAVIS COUNTRY	21"	Williamson	1997	41	44
4570	237	P006			WILD HORSE .75 mgd package plant and gravity line 5 yr	.75 mgd, 24"	Decker	2006	1,850	1,970
4570	237	3023			Wild Horse Ranch WW Reimbursement	.75 mgd, 24"	Decker	2014	7,340	7,817
PLAN	237	P148			Wild Horse Ranch WW Reimbursement	.75 mgd, 24"	Decker	2008	2,500	2,663
			group		Developer Reimbursements Decker Creek = 1	.75 mgd, 24"	Decker	2008	11,690	12,450
4570	237	3016		3353.054	Marbridge Farms WW	350 gpm LS	Bear	2006	346	368
4570	237	3049		3353.071	Rancho Alto	500 gpm LS, FM	Bear	2006	579	617
			group		Developer Reimbursements Bear Creek = 2	850 gpm	Bear	2006	925	985

Table 2 Wastewater Impact Fee Projects
(Costs in 1000s)

Fund	Agy	Org	Ser. No.	Project Description	Size	Drainage Basin	Completion Date	Cost to Build	Interest Cost
Developer Reimbursements									
4570	237	3033	3353.053	Colton Bluff Subdivision	24"	Onion-Marble	2006	785	836
4570	237	3043	3353.060	Pioneer Crossing Amended PUD N	24/30"	Harris-Gilleland	2007	4,068	4,332
4570	237	3045	3353.062	Zachery Scott Tract WW SER #2260	27"	Rinard	2006	3,084	3,284
4570	237	3047	3353.067	Austin Blue Sky In Inc SER 2271	1000 gpm LS, FM	Elm Creek	2006	796	848
4570	237	3050	3353.073	Watersedge PUD	2500 gpm LS, FM	Colorado River	2007	2,690	2,865
4570	237	3046	5028.002	RMMA Redevelopment Catellus SER	15"	Tannehill	2009	3,085	3,286
Capital Investment in Brushy Creek Regional Wastewater System					.3 mgd plant allocation increase (from .3 to .6)		payments		
				Brushy 10-year payments on WWTP and Int. Capital Imps from proforma	943	Brushy Creek	to 2016	10,247	0
Contract Revenue Bond Projects									
				Circle C MUD #4 Slaughter Creek Facility					
	237			South Branch Interceptor and Extension CC#4 MUD	21-30-inch	Slaughter	1988	1,295	1,379
				Circle C MUD #3 Slaughter Creek Facilities					
	237		82/23-13	North Bank Upper Slaughter Cr.Int. A&B CC#3 MUD	36-inch	Slaughter	1988	1,650	1,757
	237		82/23-13	Slaughter Creek Interceptor Phases 1, 2A & 2B CC#3 MUD	48-54-inch	Slaughter	1988-1992	9,280	9,883
				Southland Oaks MUD Slaughter Creek Facilities					
	237		82/23-13	Slaughter Creek Interceptor 1 & 2 SO-MUD	48-inch	Slaughter	1990	701	747
	237		82/23-13	Slaughter North Branch Interceptor SO-MUD	30-inch	Slaughter	1990	1,595	1,699
	237		82/23-13	Slaughter Tunnel SO-MUD	54-inch	Slaughter	1988	3,442	3,666
				Southland Oaks MUD Onion Creek Facility					
	237			Onion Creek Int Phase 3 (Slaught. To Boggy) SO-MUD	54-inch	Slaughter	1988	2,935	3,126
				Village at Western Oaks MUD					
	237			North Williamson Creek Int & Easements VWO MUD	42-inch	Williamson	1989	3,097	3,298
	237			South Williamson Trunk Phases 1 and 2 VWO-MUD	15-24-inch	Williamson	1989	919	979
				Maple Run at Austin MUD Williamson Creek Facility					
	237			Williamson Creek 30" WW Interceptor MR-MUD	30-inch	Williamson	1989	500	533
				North Central Austin Growth Corridor MUD #1 Walnut Creek Facilities					
	237		72/23-05	Lower Walnut Creek WW Imp Phases A,B&C NCAGC-MUD	72-inch	Walnut	1987	12,221	13,015
	237			Upper Walnut Creek Int Phases 3A,3B,4&5 NCAGC-MUD	60-inch	Walnut	1987	6,253	6,659
				North Austin GC MUD #1 Wells Branch Upper Walnut Facilties					
	237			Wells Branch WW Trunk Line Phases, 1,1A, 2&3 NCAGC-M	18-24-inch	Walnut	1985	1,468	1,563
	237			Upper Walnut Creek WW Trunk Line Phase 2 NCAGC-MUD	24"	Walnut	1985	1,325	1,411
				North Austin MUD #1					
	237			Lake Creek Collection,and Interceptor only (LS at capacity)	48"	Lake Creek	1989	3,627	3,863

Table 3 Future Projects in the CIP
(Costs in 1000s)

Timing uncertain, or beyond 2015, or not serving new users in 10-year planning horizon

Water

Fund/Agy/Org	Ser. No.	Orgn Name	Cost
3960 227 P023	5038.003	Anderson Mill Elevated Reservoir	3,200
3960 227 P037	6936.002	Martin Hill Elevated Reservoir	2,500
3960 227 P038	6936.003	Martin Hill Pump Station	3,500
3960 227 7229	6683.004	Anderson Mill NWB TM	29,100
3960 227 P043	6935.006	Spicewood Springs 24-inch TM Upgrade	1,010
3960 227 P032	6935.002	FM 1626 TM-Manchaca to S. 1st	2,935
3960 227 P033	6935.003	Boyce Lane TM	3,306
3960 227 P036	6936.001	Shoreline Drive TM	4,000
3960 227 P039	6936.004	Grand Avenue Pkwy TM	133
3960 227 P040	6936.005	Vista Business Park TM	978
3920 227 P054	6939.001	Harris Ridge Blvd Loop Connection	385
Plan 227 P047	6683.006	Jollyville/NWA TM	0

Wastewater

Fund/Agy/Org	Ser. No.	Orgn Name	Cost
4570 237 P088	3333.021	SAR Expansion to 100 MGD	59,625
4570 237 P004	3023.014	Walnut Creek Expansion	84,650
4570 237 P137	7265.004	Wildhorse WWTP Expansion to 1.5 MGD	5,750
4570 237 P037	3164.023	Hornsby Bend 2 Added GBT s	1,450
4570 237 P049	3168.037	Pearce Lane Lift Station Upgrade	200
4480 237 P054	7025.002	Pearce Lane Area Interceptor - Dry Creek	8,280
NEW 237 NEW	NEW	Elm Creek Area Interceptor	20,000
NEW 237 NEW	NEW	Onion Interceptor Upgrade - Slaughter to Tunne	28,000
NEW 237 NEW	NEW	Onion Interceptor Segment 1 Bear to Slaughter	16,800
NEW 237 NEW	NEW	Onion Interceptor Segment 2 ETJ to Bear	4,000
4480 237 8172	3333.002	SAR WWTP Land Purchase (1999)	4,191

Table 4 Projects Removed from Previous Impact Fee Listing

Removed Water Impact Fee Projects
(All costs in 1000s of dollars)

Fund/Agency/Org	Seriel #	Project Description	Size	Pressure Zone	Completion Date	Cost to Build	Reason
MUD contract bond		North Austin GC MUD #1 Wells Branch					
		North Austin TM Ph 4 (Burnet /Mopac) NCAGC-MUD	16-inch	NWA	1986	637	minimal capacity remaining
3780 227 0530	3627.001	NORTHWEST A TRANS MAIN	48"	Northwest A	1985	1,691	minimal capacity remaining
3960 227 2015	00/22-48	BURATTI PECORA II REIMBURSEMENT	24"	North Central	na	280	no developer action
3920 227 2009	3353.016	AKIN High School	16"	South	2000	1,109	minimal capacity remaining
MUD contract bond		Village at Western Oaks MUD South Zone Facilities					
	85/22-60	part - Brodie TM Phases 1, 2 and 3 VWO-MUD	48-inch	South, SWA/B/C	1990	4,869	minimal capacity remaining
		part - Transmission Main Easements VWO-MUD	na	South, SWA/B/C	1990	337	minimal capacity remaining
	*group	Brodie TM Phases 1, 2 and 3 VWO-MUD group	48"	South, SWA/B/C	1990	5,206	minimal capacity remaining
MUD contract bond		Maple Run at Austin MUD South Zone Facilities					
	85/22-60	Brodie TM Phases 1 and 2 MR-MUD	48-inch	South, SWA/B/C	1990	2,226	minimal capacity remaining
3770 227 0930	73/22-98	ULRICH WTP 100 MGD ADDITION 70 to 100	30 mgd exp	Entire System	2000	29,590	minimal capacity remaining
3970 227 7153	98/22-15	ULLRICH WTP 100 MGD IMP. 70 to 100	30 mgd exp	Entire System	2000	4,352	minimal capacity remaining
3750 227 7152	99/22-00	ULLRICH WTP IMPROVEMENTS 70 to 100	30 mgd exp	Entire System	2000	1,729	minimal capacity remaining

Removed Wastewater Impact Fee Projects
(All costs in 1000s of dollars)

Fund/Agency/Org		Project Description	Size	Drainage Basin	Completion Date	Cost to Build	Reason
4390 237 6452	85/23-09	TRAVIS COUNTRY LIFT STATION & 14" FORCE MAIN	1.7 mgd	Travis County Cr.	1993	1,833	minimal capacity remaining
4340 237 0930	82/23-81	WALNUT CREEK WWTP 18 MGD 42 to 60	18 mgd exp	Walnut service	1988	13,963	minimal capacity remaining
4480 237 3012	3353.019	IBM TIVOLI	12"	Walnut Creek	na	0	defunct project
MUD contract bond		North Austin MUD #1 Contract Bond					
		Lake Creek Lift Station part	7000 gpm	Lake Creek	1989	1,200	minimal capacity remaining
		CROSSTOWN TUNNEL	96"	Crosstown	1978	21,797	ear financing cost recouped

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 Capital Improvements Program (CIP) projects of the Austin Water Utility have been divided into the three groups. Appendices C and D include those projects from the FY 2006/2007 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 and 2 list those water and wastewater impact fee 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 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.

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 defined by the law) as a function of the Capital Improvements Programs (CIPs) of 1980s. Some of the projects in Appendices C and D will certainly benefit future users; however, in order to take a conservative approach to ensuring 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 their benefit to existing users outweighs the benefit to future users, they are not included in with the impact fee projects in Tables 1 and 2.

Analysis of the level 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 models are 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 12 and 13, include an estimate of the existing users and the 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 the January 1999 addendum the City extended the scope of the impact fees to cover decentralized cluster wastewater treatment and disposal systems for which some funding is provided by the City. No such systems exist in 2006; therefore, existing capacity, use and commitments of such systems equals zero. All new facilities of this type will be used to serve new development.

In sizing and timing new facilities, both population projections (the Land Use Assumptions) and trending from historical flow data regression are used in predicting demands (flows) associated with future growth. These demands are then input into the computer models. Model simulations yield the necessary pipe capacity to meet pressure and flow performance objectives. The Utility's CIP planning employs cost-effectiveness analysis to identify the best infrastructure timing and sizing investment alternatives. The principle factors weighed in this analysis are:

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

Note that occasionally development policy or political considerations run counter to the facility alternative derived from cost-effectiveness analysis. In typical utility engineering practice the above factors result in a cost-beneficial range of reserve capacity of ten to thirty years, depending on the type of facility. The Utility's CIP, especially the group of impact fee 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.

The Utility 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 MUD and other district contracts, can be fulfilled in a manner that allows all parties in the development process to plan efficiently. The impact fee methodology prescribed by state statute serves the function of quantifying the cost of the reserve capacity that constitutes the Utility's plan for serving new customers for a ten-year planning horizon.

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 Table 1 and Table 2 (and again in Tables 12 and 13 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:

(1) Has the predominant function of serving new growth rather than existing growth;
(2) Does not provide repair, operation, or maintenance of existing facilities;
(3) 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. Major impact fee facilities are shown graphically in Map 1 and Map 2. Projects removed from the project listing adopted in the 2001 Impact Fee CIP are shown on Table 4.

To determine the costs of projects attributable to new growth, the Texas Impact Fee Act outlines a conceptually simple 4-step process based on quantifying the demand versus capacity relationship for projects in service areas. The process can be stated as follows:

(1) Determine capacity of project in service units, and cost per service unit;
(2) Determine future demand (capacity used up) for project in service units for the ten-year planning period;
(3) Determine the project cost attributable to new growth, which is the cost per service unit (step 1) multiplied by the planning period demand (step 2).

To complete the impact fee calculation, the law calls for the calculation stated in step 4:

(4) The construction cost per service unit may not exceed the amount determined 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 difficult part of this methodology is step 2, determining the capacity that will be depleted in an individual project during the planning period. One might be tempted to simply 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 carry out this approach in a manageable manner, 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 12 and 13 illustrates this "subarea" methodology.

The resulting calculation for each subarea may be considered as a weighted average cost of impact fee facilities based on project dollar values for improvements at the locations called upon for service to new growth.

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, as is the case with the great majority of Austin's impact fee improvements, because the number of new service units occurs in both the numerator and the denominator of the fee calculation. 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 inexpensive impact fee facilities, the calculated fee will be lower.

IV. SERVICE UNIT DEMAND AND CAPACITY RELATIONSHIPS

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, "'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 for a particular category of capital improvements or facility expansions."

To use a simplified explanation, the number of projected new service units will be divided into the costs of capital projects allocated to this new growth in order to calculate the allowable impact fee (per service unit). A 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."[1] 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 service 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. Table 5 on the following page 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. The same ratios apply in both cases since the rated maximum flow for each meter is twice its rated continuous flow.

The number of service units is determined by the size and type of the water meter purchased for the property and in accordance with the schedule in Table 5.

[1] Farabee, Ray, Lisa K. Anderson and Sara Swanson. "Impact Fees: The Intent Behind the New Law". St. B. Tex. Envtl. L. J., Vol. 19; 1989; pp. 68-73.

Table 5. SERVICE UNITS ASSOCIATED WITH METER SIZE AND TYPE

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 1/2"	positive displacement	5
1 1/2"	turbine	8
2"	positive displacement	8
2"	turbine	10
3"	compound	16
3"	turbine	24
4"	compound	25
4"	turbine	42
6"	compound	50
6"	turbine	92
8"	turbine	160
10"	turbine	250
12"	turbine	330
6" x 2"	fire service	based on domestic demand
8" x 2"	fire service	based on domestic demand
10" x 2"	fire service	based on domestic demand

The service unit is determined on the basis of the American Water Works Association (AWWA) standards C700-02, C701-02 and C702-01 recommended maximum rate for continuous duty (flow) of the meter purchased at sale of tap. The service unit, as described here, has long been in Austin's existing capital recovery fee ordinance; it is well accepted, and it is extraordinarily easy to calculate at time of fee collection (at sale of taps or during the building permit process). In addition, it is based on criteria that directly reflect the differences in service consumption and capacity requirements between different users. One of the best benefits of using meter type and size for determining number of service units is that the owner makes the decision based on his or her real needs. The decision is not made for the owner on the basis of prior guesses of impact, as would be the case with LUEs, land use, etc.

The projection of new service units is problematical in that it depends on types and numbers of meters sold, while the basis for the forecasts are population and employment converted to water and wastewater flows.

This problem is handled by calculating the number of service units in the water system today and assuming the relationship between service units and projected usage remains constant in the future. In other words, an updated count was made of all meters in the system in January 2006 by size. From that list, the number of hypothetical service units installed in the system was calculated. That figure is 316,147 service units as shown on Table 6. Then the service units were divided into the weather-normalized pumpage for FY 2004-2005, which is estimated to be 51,321 million gallons (actual FY 2004-2005 pumpage was 51,374 million gallons), to obtain a system-wide normal-weather average use of 445 gallons per day per service unit (or 0.31 gpm).

Table 6 - Estimate of Service Units in the Austin Water System

Meter Size	Meters January 2006 *	Service Unit Multiplier **	January 2006 Service Units
5/8"	168,486	1	168,486
3/4"	7,868	1.5	11,802
1"	8,324	2.5	20,810
1 1/4"	18	5	90
1 1/2"	3,547	5	17,735
2"	3,051	8	24,408
3"	1,144	16.95	19,391
4"	644	25.33	16,313
6"	312	56.1	17,503
8"	134	98.46	13,194
10"	49	124.2	6,086
12"	1	330	330
16"	0		0
Total	**193,578**		**316,147**

* Meter count January 2006 without individual customers in wholesale utilities.
** Service Unit Multiplier based on historical mix of meter types within size.

Actual FY 2004-2005 usage in million gallons	51,374
Weather normalized usage in million gallons	**51,321**
System-wide normal-weather average use gallons per day per service unit	**445**
Wastewater Return Flow Rate	62%
Wastewater average use gallons per day per service unit	**275**

All future forecasts are derived from projections of population and employment. These are then converted to projections of water use and wastewater generation. These projections are always weather-normalized to isolate the effects of growth. At that point, if the assumption is maintained that the relationship between water use and service units will remain fairly constant, then simply dividing the average daily projected use by the 445 gallons per day per service unit figure obtained above will produce a projection of future service units, and consequently, new service unit growth.

Water Service Unit Equivalency:
The average flow per service unit can be used to establish land-use equivalency factors. For residential use, 445 gallons per day per service unit divided by an average flow per capita of 112 gallons per capita per day (residential use divided by population for the ten-year period) yields 3.97 residents per service unit. The number of residential customers per average service unit in Austin appears to be very high because this calculation is skewed by the large percentage of customers living in multi-family housing and by municipal utility districts with master meters. These types of customers typically have large master meters with more efficient ratios between number of users and maximum capacity (on which the number of service units is determined) than do small residential meters. For commercial/industrial use, 445 gallons per day per service unit divided by an average flow per employee of 97 gallons per employee per day (projected non-residential use divided by projected employees) yields 4.58 employees per service unit.

The only measurements of land use that are used in the calculation of capacity, service units, and impact fee are: (1) residential population, and (2) commercial/industrial employment. See Table 7 below.

Table 7. LAND USE - SERVICE UNIT EQUIVALENCY MATRIX FOR THE WATER SYSTEM: CONVERSIONS FOR A TEN-YEAR PERIOD

Service Units	Average Number of Residents	Average Number of Commercial /Industrial Employees	Average Number of Gallons/Day Water Use
1	3.97	4.58	445

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 says that on an average, each meter purchaser would be expected to use about 445 gal/day per service unit 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.

Wastewater Service Unit Equivalency:
Average daily pumpage and the average meter capacity based service unit of 445 gpd/su defines a water service unit. The wastewater service unit is determined by using the flow relationship between average daily water pumpage and average daily flow to wastewater treatment plants. This is one expression of "return flow".

Three years of data indicate the resulting return flow ratio, the average daily wastewater flow to average daily water pumpage, to be 62%. When applied to the water service unit, this ratio yields a wastewater service unit value of 275 gpd/su:

wastewater service unit (su) = 445 gpd/su x .62 = 275 gpd/su. (see Table 9 - text does not reflect rounding)

As stated in the Land Use Assumptions, one dwelling unit using decentralized cluster wastewater treatment and disposal systems is assumed to equal 1.5 service units. The 1,600 projected dwelling units using these particular decentralized systems would yield 2,400 service units.

Service Unit Conversion Factors:
The foregoing basic service unit definitions are specific to particular terms for relating 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. 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 8 and 9 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 (275 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.

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. The source data obtained from the Department Transportation, Planning and Sustainability gives population and employment data distributed by traffic serial zone within the City's extraterritorial jurisdiction. The serial zone distribution not only allows the Utility to allocate growth to the selected impact fee service area, but it also can be translated into demands at specific points in the water and wastewater pipe networks using the computer.

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, reproduced here as Table 10. Using what are termed "demand computer models," the traffic serial zone demand information was allocated to water pressure zones and wastewater drainage areas to quantify demand by subarea. Model demand sets for 2000, 2010 and 2020 were interpolated to produce demand sets at the beginning and end of the ten-year planning period.

Demand projections describing the impact fee project subareas are presented in Tables 12 and 13. 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.

Table 8 Service Unit Conversion Factors for Facility Capacity

Water Facilities

2006 Water Service Unit Flow Definition: Q/SU = **445** gpd/SU annual average flow basis

2001 Water Service Unit Flow Definition: Q/SU = **484** gpd/SU annual average flow basis

Facility	Capacity Sizing Basis	2001 Peaking Factor	2001 Service Unit Flow gpd per SU	2006 Peaking Factor	2006 Service Unit Flow gpd per SU
Water Treatment Plant	ax day flow at 95% confidence level deman = plant rated capacity	1.78	484x1.78 = 861	1.70 (note 1)	445x1.7 = 756
Pump Station	1.25 x zone max day flow = pump station rated capacity				
NWC	"	2.224	484x2.224x1.25 = 1346	2.488	445x2.488x1.25= 1384
NWB	"	2.224	484x2.224x1.25 = 1346	2.149	445x2.149x1.25= 1195
NWA	"	2.168	484x2.168x1.25 = 1312	2.149	445x2.149x1.25= 1195
North	"	2.056	484x2.056x1.25 = 1244	1.877	445x1.877x1.25= 1044
Central	"	1.864	484x1.864x1.25 = 1128	1.776	445x1.776x1.25= 988
South	"	1.984	484x1.984x1.25 = 1200	1.923	445x1.923x1.25= 1070
SWA	"	2.184	484x2.184x1.25 = 1321	2.126	445x2.126x1.25= 1183
SWB	"	2.224	484x2.224x1.25 = 1346	2.262	445x2.262x1.25= 1258
SWC	"	2.224	484x2.224x1.25 = 1346	2.488	445x2.488x1.25= 1384
Transmission Main	zone peak hour flow = pipe capacity at 5 fps				
NWC	"	3.72	484x3.72 = 1800	4.647	445x4,647= 2068
NWB	"	3.72	484x3.72 = 1800	3.595	445x3.595= 1600
NWA	"	3.7	484x3.7 = 1791	2.806	445x2.806= 1249
North	"	3.28	484x3.28 = 1588	3.018	445x3.018= 1343
Central	"	2.59	484x2.59 = 1254	2.460	445x2.46= 1095
South	"	3.11	484x3.11 = 1505	3.025	445x3.025= 1346
SWA	"	4.85	484x4.85 = 2347	3.727	445x3.727= 1659
SWB	"	3.8	484x3.8 = 1839	3.576	445x3.576= 1591
SWC	"	3.8	484x3.8 = 1839	4.115	445x4.115= 1831
Storage Tank	city volumetric criteria 200 gal/capita	na	200gal/capita x 709,898 capita / 268409 SU = 530 gal/SU	na	200gal/capita x 799,965 capita / 316,147 SU = 506 gal/SU

Notes

1. The water plant peaking factor of 1.70 is the average for the 10 year planning period taking into account the recently stated Council goal. Note that the 2005 value is 1.80.

Table 9 Service Unit Conversion Factors for Facility Capacity

Wastewater Facilities

2006 Wastewater Service Unit Flow Definition at 61.73% return flow: Q/SU = 444.75x.6173 = **275** gpd/SU annual average flow basis

2001 Wastewater Service Unit Flow Definition at 65% return flow: Q/SU = 484x.65 = **318** gpd/SU annual average flow basis

Facility	Capacity Sizing Basis	2001 Peaking Factor	2001 Service Unit Flow gpd per SU	2006 Peaking Factor	2006 Service Unit Flow gpd per SU
2001 Wastewater Treatment Plant	max wet month avg flow = plant rated capacity	1.39	318x1.39 = 442	na	na
2001 Interceptor	peak hour flow = 75% of pipe full capacity	4	318x4 = 1272	na	na
2001 Lift Station	peak hour flow = rated firm capacity	4	318x4 = 1272	na	na
2006 Wastewater Treatment Plant	annual average flow = plant rated capacity	na	na	1.0 (note 1)	275x1 = 275
2006 Interceptor	peak hour flow (5yr storm I/I) = 80% pipe full capacity	na	na	4	275x4 = 1100
2006 Lift Station	peak hour flow (5yr storm I/I) = rated firm capacity	na	na	4	275x4 = 1100

Notes

1. Wastewater plant permitting and rating is now based on annual average flow and no longer includes a maximum wet month average flow component.

Table 10 - Projection of Service Units - Austin Retail & Wholesale Utility Customers Within 2006 Boundary

Planning Area Summary	2005 Residential MGD	2005 Employment MGD	2005 Total MGD	2005 Service Units	2015 Residential MGD	2015 Employment MGD	2015 Total MGD	2015 Service Units	10-year Service Unit Growth
1	6.16	11.58	17.74	39,890	7.05	12.88	19.93	44,814	4,924
2	3.09	1.50	4.59	10,321	3.35	1.82	5.17	11,625	1,304
3	3.22	1.02	4.24	9,534	3.36	1.21	4.57	10,276	742
4	2.37	0.56	2.93	6,588	2.58	0.67	3.25	7,308	720
5	4.04	1.33	5.37	12,075	5.06	1.84	6.90	15,515	3,440
6	3.82	4.56	8.38	18,843	4.36	4.94	9.30	20,912	2,069
7	3.27	0.83	4.10	9,219	4.01	1.34	5.35	12,030	2,811
8	8.30	2.65	10.95	24,622	8.72	3.05	11.77	26,466	1,844
9	3.96	3.14	7.10	15,965	4.29	3.39	7.68	17,269	1,304
10	5.14	2.41	7.55	16,977	5.90	4.41	10.31	23,183	6,206
11	4.54	2.28	6.82	15,335	5.16	2.95	8.11	18,236	2,901
12	4.44	2.00	6.44	14,481	4.60	2.33	6.93	15,583	1,102
13	3.16	0.71	3.87	8,702	3.40	0.90	4.30	9,669	967
14	4.60	0.52	5.12	11,488	5.24	0.75	5.99	13,469	1,981
15	4.20	0.64	4.84	10,883	5.11	0.90	6.01	13,514	2,631
16	3.68	1.25	4.93	11,085	4.05	1.55	5.60	12,592	1,507
17	5.30	2.22	7.52	16,909	5.89	2.68	8.57	19,270	2,361
18	1.63	1.31	2.94	6,611	1.77	1.40	3.17	7,128	517
19	3.19	1.63	4.82	10,838	4.14	2.10	6.24	14,031	3,193
20	2.78	1.09	3.87	8,702	3.52	1.43	4.95	11,130	2,428
21	0.62	0.86	1.48	3,328	2.32	1.46	3.78	8,500	5,172
22	2.21	2.04	4.25	9,556	4.48	3.42	7.90	17,764	8,208
23	1.29	1.61	2.90	6,521	2.26	2.46	4.72	10,613	4,092
24	1.31	1.74	3.05	6,858	2.44	3.80	6.24	14,031	7,173
25	1.26	1.16	2.42	5,442	2.25	1.96	4.21	9,466	4,024
26	2.17	0.22	2.39	5,374	3.68	0.75	4.43	9,961	4,587
27	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0
Total within Boundary	89.75	50.86	140.61	316,147	108.99	66.39	175.38	394,355	78,208
								10-year Growth Rate	2.24%

VI. CAPACITY AND COST ATTRIBUTABLE TO NEW GROWTH

Decentralized Wastewater Costs

Estimates of the capital costs for the construction of decentralized cluster system treatment facilities and disposal fields range from $15 per gallon for daily flow to $40/gal/day depending on the complexity of the treatment facilities, the telemetry equipment, and the nature of terrain and topography. These estimates assume the use of low pressure dosing (LPD) fields for disposal. For the purposes of this projection, the mid-range figure of $25/gal/day was selected. Borrowing from State and local On-Site Sewage Facility rules, the daily flow of 360 gallons per dwelling unit is selected, which corresponds to large single family houses. Therefore, the estimated typical cost of these facilities is $9,000 per dwelling unit ($25 x 360). Since each of these houses is assumed to equal 1.5 service units, the cost per service unit would equal $6,000 ($9,000/1.5). The costs stated below represent the entire service area and are not reflective of a specific development.

Table 11: Total Costs of Capital Facilities for Decentralized Cluster Wastewater Systems CIP

Cost per Service Unit	Ten-year Projection Of Service Units	Total Project Costs
$6,000	2,400	$14,400,000

Interest costs are not added to the total project costs because the decentralized cluster wastewater systems CIP project is not anticipated to be financed with bonds. The total project costs shown in the previous table would overstate the total impact to the City of Austin, since the City is unlikely to fund or reimburse the full costs of the cluster treatment and disposal facilities. Although no such system is present in the Capital Improvements Plan for the Year 2007 Impact Fee calculation, such a system would be an applicable candidate project for future impact fee assessments.

Central Water and Wastewater Capacity and Costs

Tables 12 and 13 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 fee allowed by law. The letters of each item correspond to the lettered columns in Tables 12 and 13.

A. The reference table to the Impact Fee project listing tables.

B. Project description. Columns A and B are used to identify the Impact CIP projects.

C. Unused (part of project description)

D. Project size. This is 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 cost 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 the Utility using the following assumptions: all bonds for the selected impact fee capital improvements projects were sold at the same time, an interest rate of 6.0% 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 12 and 13 provide price 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 8 and 9 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 2005 land use assumptions. The population and land use level in a particular pressure zone or drainage area in the year 2005, expressed in service units.

N. Year 2015 land use assumptions. The population and land use level in a particular pressure zone or drainage area in the year 2015, 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 years between 2005 and 2015. 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 12 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	Project Description Orgn Name		Size	Pressure Zone	Completion Date	Cost to Build	Interest Cost	Total Cost to Build G+H	Facility Design Capacity SU	Cost to Build per SU G/J	Cost to Build per SU w/ interest I/J	2005 Land Use Assumptions SU	2015 Land Use Assumptions SU	10-Year Growth Users SU N-M	Impact Cost without interest K x O	**Impact Cost with interest L x O**	2005 Benefitting Existing Users SU	2015 Excess SU After 10 years J-R-O
1	CANYON CREEK 30		30"	Northwest C east	1987	1,231	1,311											
1	NWC PUMP STATION & TM group		16 mgd 24/36"	Northwest C east	2010	5,065	4,966											
1	Developer Reimbursements Northwest C = 1		24"	Northwest C east	2002	1,100	1,172											
	Facility Size That Determines Capacity Addition		16 mgd PS			7,396	7,449	14,845	11,561	0.64	1.28	2,413	4,312	1,899	1,215	2,438	1,200	8,462
1	FOUR POINTS RESERVOIRS (NWB&C)	total>	8 mg	Northwest B-Bull & C west	1988	5,194	5,532											
1	WEST BULL CREEK P.S. engineering		5.8-B 10.4-C	Northwest B-Bull & C west	2007	108	115											
1	Four Points/NWB TM		36"	Northwest B-Bull & C west	2014	499	531											
1	Developer Reimbursements Northwest B&C = 1			Northwest B-Bull & C west	2006	210	210											
	Facility Size That Determines Capacity Addition		36"			6,011	6,388	12,399	12,684	0.47	0.98	3,083	5,374	2,291	1,086	2,240	1,200	9,193
1	ROUTE 620 TRANSMISSION MAIN		24"	Northwest B	2000	2,085	2,221											
1	MILLWOOD NWB TRANSMISSION MAIN		16"	Northwest B	1993	164	175											
1	JOLLYVILLE TM group		48"	Northwest B	2001	9,272	9,875											
1	JOLLYVILLE PUMP STATION		45mgd	Northwest B	1989	6,160	6,560											
1	ANDERSON MILL TRANSMISSION MN 24"		24"	Northwest B	1996	3,262	3,474											
1	ANDERSON MILL TRANSIMISSION MAIN 16"		16"	Northwest B	2001	1,474	1,570											
1	ANDERSON MILL RESERVOIR	total	3 mg	Northwest B	1989	4,148	4,418											
1	Developer Reimbursements Northwest B = 4		36"	Northwest B	2010	27,514	26,077											
	Facility Size That Determines Capacity Addition		45 mgd PS			54,079	54,370	108,449	37,657	1.44	2.88	23,247	29,221	5,974	8,579	17,205	23,247	8,436
1	HOWARD LANE PUMP STATION & TM group		43/65 mgd	Northwest A/B/C east path	2001	17,115	16,181											
	Facility Size That Determines Capacity Addition		43 mgd PS and 48" TM			17,115	16,181	33,296	68,481	0.59	1.16	note 3	note 3	2,898	1,717	3,357	note 3	note 3
1	NORTHWEST A PRES ZONE RES Martin total		34 mg	Northwest A	1988	8,361	8,904											
1	16 in FM 1825 Interconnect		16"	Northwest A	2006	709	0											
1	HOWARD LANE EAST TM		36"	Northwest A	1998	4,765	5,075											
1	Developer Reimbursements Northwest A = 4		24"	Northwest A	2007	1,780	230											
1	Forest Ridge/NWA TM		48"	Northwest A	2014	7,852	8,362											
	Facility Size That Determines Capacity Addition		34 mg tank			23,467	22,571	46,038	67,194	0.35	0.69	53,766	65,643	11,877	4,148	8,138	26,883	28,434
	Jollyville NWA TM (Plant 4)		84"	Northwest A/B/C - part	2014	51,950	55,327											
	Facility Size That Determines Capacity Addition		84" TM			51,950	55,327	107,277	87,293	0.60	1.23	0	63,984	12,413	7,387	15,255	51,571	23,309
1	DESSAU RD TRANSMISSION MAIN		16"	North	1990	934	995											
1	DECKER LAKE TM/JOHNNY MORRIS		16/24"	North	1999	462	492											
1	Developer Reimbursements North = 7		36" equivalent	North	2010	18,078	17,921											
1	Howard Lane Reservoirs NCAGC-MUD	total	20 mg	North	1987	3,824	4,073											
	Facility Size That Determines Capacity Addition		36" equivalent			23,298	23,481	46,779	17,000	1.37	2.75	61,078	76,294	15,216	20,853	41,870	0	1,784
1	NORTHTOWN TRANS MAIN		48"	N/NWA/B/C-east path	1988	610	650											
1	HOWARD LN/NORTHTOWN TRANS MAIN		48"	N/NWA/B/C-east path	1989	3,593	3,827											
1	NORTH/EAST AREA WATER IMP. Samsung		48"	N/NWA/B/C-east path	1999	1,718	1,830											
1	NE AUSTIN PUMPING STATION		55 mgd	N/NWA/B/C-east path	1989	1,974	2,102											
1	NE AUSTIN TRANS MAIN		54/48"	N/NWA/B/C-east path	1997	6,657	7,090											
	Facility Size That Determines Capacity Addition		55 mgd PS			14,552	15,499	30,051	45,643	0.32	0.66	note 3	note 3	18,114	5,775	11,926	note 3	note 3
1	Davis Medium Service TM		72"	North Central	2015	17,424	18,557											
1	SH130 Crossings		24"	North Central	2006	150	160											
1	Developer Reimbursements North Central =2		24"	North Central	2008	2,285	2,434											
1	US 290 EAST RESERVOIR		12 mg	North Central	1987	2,144	2,283											
	Facility Size That Determines Capacity Addition		72" TM			22,003	23,434	45,437	83,403	0.26	0.54	54,484	62,736	8,252	2,177	4,496	8,500	66,651
1	East Austin TRANS MAIN		66"	N-Central, N, NWA/B/C eas	1989	8,203	8,736											
1	SPRINGDALE ROAD 48" TM		48"	N-Central, N, NWA/B/C eas	1998	6,118	6,516											
1	ULLRICH TO GREEN TM group		72"	N-Central, N, NWA/B/C eas	2001	30,448	32,427											
	Facility Size That Determines Capacity Addition		72" TM			44,769	47,679	92,448	62,085	0.72	1.49	note 3	note 3	26,366	19,012	39,260	note 3	note 3

Table 12 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	Project Description Orgn Name		Size	Pressure Zone	Completion Date	Cost to Build	Interest Cost	Total Cost to Build G+H	Facility Design Capacity SU	Cost to Build per SU G/J	Cost to Build per SU w/ interest I/J	2005 Land Use Assumptions SU	2015 Land Use Assumptions SU	10-Year Growth Users SU N-M	Impact Cost without interest K x O	**Impact Cost with interest L x O**	2005 Benefitting Existing Users SU	2015 Excess SU After 10 years J-R-O
1	Developer Reimbursements North & Central = 1		24/36"	North and N. Central	2005-2014	14,500	15,443											
	Facility Size That Determines Capacity Addition		36" TM	New Facility Area		14,500	15,443	29,943	18,730	0.77	1.60	0	6,731	6,731	5,211	10,761	0	11,999
1	U S 183 South/McKinney Falls Pkwy TM		24"	South Central	2013	1,960	2,087											
1	SH130 Crossings		24"	South Central	2006	150	160											
1	GREEN WTP TRANS MAIN SOUTH group		60"	South Central	1989	5,621	5,986											
1	BLUFF SPRINGS TRANS MAIN II		36"	South Central	1988	1,913	2,037											
1	BLUFF SPRINGS RESERVOIR PILOT KNOB		10 mg	South Central	1989	2,139	2,278											
1	PILOT KNOB TRANS MAIN group		48"	South Central	1992	9,749	10,383											
1	SOUTH CENTRAL TRANS MAIN		48"	South Central	1987	4,578	4,876											
1	E BEN WHITE BLVD TRANS MAIN		24"	South Central	1993	3,506	3,734											
1	ELROY TRANSMISSION MAIN		36"	South Central	2013	4,960	5,282											
1	MOORE'S CRSG RESERVOIR & TRANS		36"	South Central	1990	2,402	2,558											
1	Developer Reimbursements South Central =5		36"	South Central	2007	15,787	16,813											
	Facility Size That Determines Capacity Addition		48" TM			52,765	56,194	108,959	37,068	1.42	2.94	39,286	51,795	12,509	17,806	36,769	9,000	15,559
1	SOUTH IH 35 TRANSMISSION MAIN		36"	South	1988	2,812	2,995											
1	SLAUGHTER LN TRANSMISSION MAIN		36/30/24"	South	1992	2,673	2,847											
1	IH 35 South Reservoir -- site		site	South	2008	400	426											
1	IH 35 S Reservoir design & construct		3mg	South	2012	4,100	4,367											
1	IH 35 South TM		36"	South	2013	4,350	4,633											
1	Pilot Knob/Thaxton Road TM		48"	South	2013	11,443	12,187											
1	Developer Reimbursements South = 5		36"	South	2007	12,651	13,473											
1	Davis Lane Reservoir SO-MUD add 10 to 20 m		10 mg	South	1988	1,819	1,937											
	Facility Size That Determines Capacity Addition		48" TM			40,248	42,865	83,113	30,156	1.33	2.76	45,310	53,202	7,892	10,533	21,751	7,000	15,264
1	Developer Reimbursements Southwest A = 1		24"	Southwest A/B/C	2004	978	1,042											
1	Southwest A Site Development CC#3-MUD		na	Southwest A/B/C	1988	266	283											
1	Davis Lane TM (PS discharge) SO-MUD		48"	Southwest A/B/C	1987	220	234											
1	Davis Lane Pump Station VWO-MUD		60 mgd	Southwest A/B/C	1988	5,758	6,132											
1	SWA 48" Interconnector MR-MUD		48-inch	Southwest A/B/C	1987	1,016	1,082											
1	SWA TM Phases 1,1A,2,3,4A,4B MR-MUD		48-inch	Southwest A/B/C	1987	4,501	4,794											
1	SWA Storage Tank (Slaughter Lane) MR-MUD		6 mg	Southwest A/B/C	1988	1,256	1,338											
	Facility Size That Determines Capacity Addition		48" TM	TM pathway		13,995	14,905	28,900	24,466	0.57	1.18	15,174	20,667	5,493	3,142	6,489	10,000	8,973
1	Developer Reimbursements Southwest B & C = 1		14 mgd PS	Southwest B&C	2002	3,255	0											
	Facility Size That Determines Capacity Addition		14 mgd PS			3,255	0	3,255	10,598	0.31	0.31	4,536	6,637	2,101	645	645	4,527	3,970
1	Developer Reimbursements Southwest B = 1		16"	Southwest B	2005	3,600	3,834											
1	SWB CAMP BEN MC CULLOUGH REALL		16"	Southwest B	1992	504	537											
1	WINDMILL RUN SW B TRANS MAIN		36"	Southwest B	1990	1,962	2,090											
1	Southwest B Pump Station CC#3 MUD		22 mgd	Southwest B	1988	2,290	2,439											
1	Southwest B 36" Transmission Main CC#3-MUD		36-inch	Southwest B	1988	1,130	1,203											
1	Southwest B 16" Trans Main CC#3-MUD		16-inch	Southwest B	1988	197	210											
1	Southwest B Reservior #1 CC#3-MUD	total	2 mg	Southwest B	1988	1,903	2,027											
	Facility Size That Determines Capacity Addition		36" TM			11,586	12,340	23,926	14,350	0.81	1.67	10,509	15,237	4,728	3,817	7,883	6,000	3,622

Table 12 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	Project Description Orgn Name		Size	Pressure Zone	Completion Date	Cost to Build	Interest Cost	Total Cost to Build G+H	Facility Design Capacity SU	Cost to Build per SU G/J	Cost to Build per SU w/ interest I/J	2005 Land Use Assumptions SU	2015 Land Use Assumptions SU	10-Year Growth Users SU N-M	Impact Cost without interest K x O	**Impact Cost with interest L x O**	2005 Benefitting Existing Users SU	2015 Excess SU After 10 years J-R-O
1	SWC Pressure Zone Pump Station		8.2 mgd	Southwest C	2006	5,932	6,318											
1	CIRCLEVILLE RESERVOIR group	total	1.25 mg	Southwest C	2001	2,347	2,473											
1	SWC PRESSURE ZONE TM PHASE 1		30"	Southwest C	2007	3,800	4,047											
1	SWC Pressure Zone Ph 1		30"	Southwest C	2007	2,753	2,932											
1	SWC PRESSURE ZONE IMP PH2		30"	Southwest C	2007	1,970	2,098											
1	Developer Reimbursements Southwest C = 1		2.1 mgd PS, 16"	Southwest C	2003	2,161	2,301											
	Facility Size That Determines Capacity Addition		30" TM			18,963	20,169	39,132	8,645	2.19	4.53	2,543	3,722	1,179	2,586	5,337	1,000	6,466
1	ULLRICH WTP 100 to 167 mgd group		67 mgd exp	Ullrich Service	2007	100,146	106,655											
	See note 1		67 mgd exp			100,146	106,655	206,801	92,939	1.08	2.23	0	59,065	59,065 See notes 1 and 2	63,645	131,427	0	33,874
1	WTP #4 group		50 mgd	Plant 4 Service	2014	259,218[3]	276,067											
	Facility Size That Determines Capacity Addition		50 mgd			259,218	276,067	535,285	69,358	3.74	7.72	0	69,358	19,143 See notes 1 and 2	71,545	147,740	See notes 1 and 2	
1	SHAW LN LIME SLDG PIT NO.2 DEV		34 acre	Entire System	2008	600	639											
1	APPROACH MAIN-OVERSIZE		16/24"	Entire System	1995	1,111	1,183											
	Facility Size That Determines Capacity Addition		34 acres expansion - 15 year life			1,711	1,822	3,533	117,274	0.01	0.03	316,147	394,355	78,208	1,141	2,356	0	39,066
													Service Unit and System-wide Impact Cost Totals		**78,208**	252,022	517,342	
													State Law mandated 50% credit of total projected cost				258,671	
													Amount to be used for calculating maximum allowable impact fee				**258,671**	
													Maximum Allowable Impact Fee ($258,608,000 / 78,208 service units)				**$3,307**	

Plant	2015 existing user flow mgd	2015 growth user flow mgd	2015 total flow mgd	plant capacity mgd
Plant 4	39.4	10.6	50	50
Davis (per note 1)	86.8	3.2	90	118
Ullrich	99.4	42.6	142	167
Total all plants	225.6	56.4	282	335

Note 1 Davis service to growth is actually made available by Plant 4 taking on Davis existing users, therefore Davis growth users are attributable to Plant 4 for fee calc.
Transmission main use also reflects this allocation.

Note 2 At 2015 the benefiting Plant 4 existing users are 50,215 SU.
Beyond 2015 Plant 4 capacity will continue to provide service units for growth in the system, along with the Ullrich expansion, with whatever allocation between existing and growth users for all 3 plants that fits the hydraulic demand situation that occurs.

Note 3 Under normal operating conditions, in 2015 the Howard Lane pump station experiences reduced utilization when Plant 4 is in service as compared to 2005 operations.
A small number of growth users will be served by the "east pathway" as shown, but the number can not be calculated by the standard method of subtracting existing users from 2015 users.
A similar condition exists for the NE Austin pump station to Howard Lane pump station east path group of facilities, and the Ullrich to Green to East Austin east path group of facilities.
Excess capacity after 2015 is ample for all these east path facilities.

Table 13 Wastewater Impact Fee Calculation by Collection Drainage Areas
(All costs in 1000's 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	Project Description Orgn Name		Size	Drainage Basin	Completion Date	Cost to Build	Interest Cost	Total Cost to Build	Facility Design Capacity SU	Cost to Build per SU G/J	Cost to Build per SU w/ interest I/J	2005 Land Use Assumptions SU	2015 Land Use Assumptions SU	10-Year Growth Users SU	Impact Cost w/o interest KxO	**Impact Cost with interest LxO**	2005 Existing Users SU	2015 Excess SU After 10 years J-R-O
2	Garfield Tract 0.3 MGD WWTP		0.3 mgd STP	Dry Creek South	2010	2,450	2609											
	Facility Size That Defines Capacity Addition		0.3 mgd STP	Facility Area		2,450	2609	5,059	1,091	2.25	4.64	0	829	829	1862	3844	0	262
2	Developer Reimbursements Bear Creek = 2		850 gpm -2LS	Bear	2006	925	985											
	Facility Size That Defines Capacity Addition		850 gpm -2LS	Facility Area		925	985	1,910	1,113	0.83	1.72	0	758	758	630	1301	0	355
2	ONION CREEK INTERCEPTOR above tunnel group		54"	Slaughter	1986	4,943	5264											
2	Developer Reimbursements Slaughter Basin = 2		18"	Slaughter	2000	1220	0											
2	South Branch Interceptor and Extension CC#4 MUD		21-30-inch	Slaughter	1988	1,295	1379											
2	North Bank Upper Slaughter Cr.Int. A&B CC#3 MUD		36-inch	Slaughter	1988	1,650	1757											
2	Slaughter Creek Interceptor Phases 1, 2A & 2B CC#3 MUD		48-54-inch	Slaughter	1988-1992	9,280	9883											
2	Slaughter Creek Interceptor 1 & 2 SO-MUD		48-inch	Slaughter	1990	701	747											
2	Slaughter North Branch Interceptor SO-MUD		30-inch	Slaughter	1990	1,595	1699											
2	Slaughter Tunnel SO-MUD		54-inch	Slaughter	1988	3,442	3666											
2	Onion Creek Int Phase 3 (Slaught. To Boggy) SO-MUD		54-inch	Slaughter	1988	2,935	3126											
2	Colton Bluff Subdivision developer reimbursement		24"	Onion-Marble	2006	785	836											
2	Zachery Scott Tract WW SER #2260 developer reimbursement		27"	Onion-Rinard	2006	3084	3284											
	Facility Size That Defines Capacity Addition		54-inch	Slau/Boggy/Onion		30,930	31,641	62,571	32,275	0.96	1.94	14,230	21,143	6,913	6625	13402	14,230	11,132
2	ONION CREEK INTERCEPTOR TUNNEL group		84"	Onion and above	1986	22,144	23583											
2	Watersedge PUD developer reimbursement		2500 gpm LS, FM	Onion at River	2007	2,690	2865											
2	BERDOLL FARMS L.S. & FM developer reimbursement		900 gpm, 12"	Dry to Onion	2000	988	1052											
	Facility Size That Defines Capacity Addition		84-inch	Onion Tunnel		25,822	27,500	53,322	116,702	0.22	0.46	52,930	78,788	25,858	5721	11815	52,930	37,914
2	WILLIAMSON CREEK INT PH II		42"	Williamson	1989	820	873											
2	OAK HILL BR-OF WMSON CK INTER		30"	Williamson	1989	1,533	1633											
2	Lower Williamson Creek Interceptor group		66"	Williamson	2016	23,738	25029											
2	TRAVIS COUNTRY gravity main developer reimbursement		21"	Williamson	1997	41	44											
2	North Williamson Creek Int & Easements VWO MUD		42-inch	Williamson	1989	3,097	3298											
2	South Williamson Trunk Phases 1 and 2 VWO-MUD		15-24-inch	Williamson	1989	919	979											
2	Williamson Creek 30" WW Interceptor MR-MUD		30-inch	Williamson	1989	500	533											
	Facility Size That Defines Capacity Addition		66-inch			30,648	32,388	63,036	68,422	0.45	0.92	36,172	41,030	4,858	2176	4476	36,172	27,392

Table 13 Wastewater Impact Fee Calculation by Collection Drainage Areas

(All costs in 1000's 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	Project Description Orgn Name		Size	Drainage Basin	Completion Date	Cost to Build	Interest Cost	Total Cost to Build	Facility Design Capacity SU	Cost to Build per SU w/o interes G/J	Cost to Build per SU w/ interest I/J	2005 Land Use Assumptions SU	2015 Land Use Assumptions SU	10-Year Growth Users SU	Impact Cost w/o interest KxO	**Impact Cost with interest LxO**	2005 Existing Users SU	2015 Excess SU After 10 years J-R-O
2	GOVALLE INTERCEPT AND DIVERSION group		96"	Govalle/SAR part	1990	42,373	45,127											
2	N Austin Wastewater Interceptor group		96"	Govalle/SAR part	2011	43,120	45,923											
	Facility Size That Defines Capacity Addition		96-inch	NAO+SAO		85,493	91,050	176,543	127,476	0.67	1.38	85,478	93,028	7,550	5063	10456	85,478	34,448
2	Developer Reimbursements Carson Creek = 1		24"	Carson	2000	151	0											
	Facility Size That Defines Capacity Addition		24-inch			151	0	151	5,068	0.03	0.03	2,628	3,119	491	15	15	2,628	1,949
2	Developer Reimbursements Waller Creek = 2		18"	Waller upper & lower	2006	1,393	1,484											
	Facility Size That Defines Capacity Addition		18-inch	Facility Area		1,393	1,484	2,877	2,647	0.53	1.09	2,031	2,255	224	118	243	2,031	392
2	RMMA Redevelopment Catellus SER developer reimbursement		15"	Tannehill - upper	2009	3,085	3286											
	Facility Size That Defines Capacity Addition		15-inch	Facility Area		3,085	3286	6,371	2,305	1.34	2.76	0	1,907	1,907	2552	5269	0	398
2	ACWP- Shoal Creek 29th to 34th		66"	Shoal Creek - upper	2006	9,358	9966											
	Facility Size That Defines Capacity Addition		66-inch			9,358	9966	19,324	89,753	0.10	0.22	20,624	21,338	714	74	154	20,624	68,415
2	UPPER WALNUT CREEK INTERCEPTOR group		36"	Upper Walnut	2002	8976	8906											
2	Developer Reimbursements Walnut Creek = 4		24"	Walnut Creek	2007	5,834	2,956											
2	Austin Blue Sky In Inc SER 2271 developer reimbursement		1000 gpm LS, FM	Elm to Walnut	2006	796	848											
2	Lower Walnut Creek WW Imp Phases A,B&C NCAGC-MUD		72-inch	Walnut	1987	12,221	13015											
2	Upper Walnut Creek Int Phases 3A,3B,4&5 NCAGC-MUD		60-inch	Walnut	1987	6,253	6659											
2	Wells Branch WW Trunk Line Phases, 1,1A, 2&3 NCAGC-MUD		18-24-inch	Walnut	1985	1,468	1563											
2	Upper Walnut Creek WW Trunk Line Phase 2 NCAGC-MUD		24"	Walnut	1985	1,325	1411											
	Facility Size That Defines Capacity Addition		72-inch			36,873	35,359	72,232	79,253	0.47	0.91	50,393	64,563	14,170	6593	12915	50,393	14,690
2	LITTLE WALNUT CREEK		42" & 60"	Little Walnut	1993	5,314	5659											
2	ACWP-Little Walnut/Buttermilk group		60"	Little Walnut	2006	16,205	16,168											
	Facility Size That Defines Capacity Addition		60-inch			21,519	21,827	43,346	72,385	0.30	0.60	26,789	27,090	301	89	180	26,789	45,295

Table 13 Wastewater Impact Fee Calculation by Collection Drainage Areas

(All costs in 1000's 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	Project Description Orgn Name		Size	Drainage Basin	Completion Date	Cost to Build	Interest Cost	Total Cost to Build	Facility Design Capacity SU	Cost to Build per SU w/o interes G/J	Cost to Build per SU w/ interest I/J	2005 Land Use Assumptions SU	2015 Land Use Assumptions SU	10-Year Growth Users SU	Impact Cost w/o interest KxO	**Impact Cost with interest LxO**	2005 Existing Users SU	2015 Excess SU After 10 years J-R-O
2	Developer Reimbursements Lake Creek =2		4200 gpm expansion	Lake Creek	1996	1,976	533											
2	Lake Creek Collection,and Interceptor only (LS at capacity)		48"	Lake Creek	1989	3,627	3863											
	Facility Size That Defines Capacity Addition		48-inch			5,603	4,395	9,998	39,396	0.14	0.25	6,619	8,739	2,120	302	538	6,619	30,657
2	Upper Harris Branch WW Interceptor group		24"	Harris Branch	2014	5,154	5,489											
2	Purchase of Dessau Utilities		.5 mgd plant,4100 gpm LS, 16" FM	Dessau/Harris	2006	2,400	0											
2	HARRIS BRANCH INTERCEPTOR segment		27/30"	Harris Branch	2009	3,800	4047											
2	Harris Branch Pkg WWTP expansion to 0.6 mgd		0.6 mgd	Harris Branch	2007	1,200	1278											
2	Pioneer Crossing Amended PUD N		24/30"	Harris-Gilleland	2007	4068	4332											
	Facility Size That Defines Capacity Addition		30-inch	Facility Area		16,622	15,146	31,768	6,756	2.46	4.70	3,768	6,756	2,988	7351	14050	3,768	0
2	Northeast Subregional WWTP Site		site for 15 mgd	Gilleland	2007	5,000	5325											
2	WILDHORSE NW INTERCEPTOR PH2		15/24/30"	Decker-Gilleland	2007	3,700	0											
2	Wildhorse North Interceptor Ext No. of 290		36"	Gilleland	2006	3,200	3408											
2	Developer Reimbursements Decker Creek = 1		.75 mgd STP, 24"	Decker-Gilleland	2014	11,690	12,450											
	Facility Size That Defines Capacity Addition		.75 mgd STP	Facility Area		23,590	21,183	44,773	2,727	8.65	16.42	0	2,168	2,168	18752	35591	0	559
	Capital Investment in Brushy Creek Regional Wastewater System .3mgd plant allocation increase (from .3 to .6)				payments													
2	Brushy 10-year payments on WWTP and Int. Capital Imps from proforma		.3 mgd exp	Brushy Creek	to 2015	10,247	0											
	Facility Size That Defines Capacity Addition		.3 mgd exp			10,247	0	10,247	1,091	9.39	9.39	1,088	2,119	1,031	9684	9684	0	60
2	SAR WWTP 50 to 75 MGD EXPANSION group		25 mgd exp	SAR service	2006	97,612	103,957	201,569	90,909	1.07	2.22	138,408	171,816	33,408	35871	74074	0	57,501
2	WALNUT CREEK WWTP60 TO 75 MGD group		15 mgd exp	Walnut service	2005	65,499	67,541	133,040	54,545	1.20	2.44	153,953	182,160	28,207	33871	68799	0	26,338
2	Hornsby Bend Sludge Processing (Increase 55 to 70 dry ton/day) group		15dt/day exp	Entire System	2014	7,107	5,386	12,493	111,273	0.06	0.11	300,364	374,637	74,273	4744	8339	0	37,000

Service Unit and System-wide Impact Cost Totals	**74,273**	142,094	275,145
State Law mandated 50% credit of total projected cost			137,573
Amount to be used for calculating maximum allowable impact			**137,572**
Maximum Allowable Impact Fee ($137,572,000 / 74,273 service units)			**$1,852**

VII. CALCULATION OF MAXIMUM ALLOWABLE IMPACT FEE

The total system-wide impact costs for all pressure zone and all drainage areas are determined by simply summing the impact costs of the individual subareas. (Note that these summations can be found in columns P and Q in Tables 12 and 13.)

The maximum allowable impact fee, as provided in Section 395.015 of the Texas Local Government Code, is calculated by taking the system-wide impact costs per service unit, and applying the 50% credit required by State Law beginning September 1, 2001, then dividing the result by the service units. The resulting maximum allowable impact fees are stated below:

Water	$3,307
Wastewater	$1,852

VIII. IMPACT FEE ASSESSMENT

The Texas Impact Fee Act (Section 395.016 of the Texas Local Government Code) provides that the 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. The City staff can, with existing improved computer databases, find the date when a subdivision plat is recorded. The scanned image of the recorded plat is available to personnel in the subdivision review and tap sales offices allowing them to inform customers in a timely fashion what the assessed fee is for a specific lot.

Since 1990 the Impact Fee update reports and ordinances have included an "assessed fee" separate from the maximum allowable and collected fees. The "assessed fees" have remained constant since 1990 at $1,700 for water per service unit and $1,300 for wastewater per service unit. With the new recommended fee structure the separate "assessed fee" is being dropped and from now on, the assessment will be the maximum allowable amount.

IX. COLLECTED FEES

The fees actually collected at the time of tap sale may be set by ordinance at any amount equal to or lower than the maximum allowable fees. On August 5, 1999, the City Council adopted an updated fee schedule for capital recovery fees to be collected per service unit. The fees, as adopted in 1999, vary according to location as described below. In subsequent years the adopted annual budget has included the 1999 fee structure. The existing collected fee schedule from the Fiscal Year 2006/2007 City-wide Rate Ordinance is attached as Appendix A.

Descriptions of the zones for the fees 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 in Appendix B

The fees adopted as part of the Fiscal Year 2006/2007 City-wide Rate Ordinance are assessed in accordance with the Texas Impact Fee Act (Section 395.016 of the Texas Local Government Code) to all lots in subdivision plats recorded prior to the effective date of the following recommended fee structure.

The fee for lots recorded after the effective date of the recommended fee structure will be assessed according to this recommended fee schedule. Under the current state statute, if this recommended fee structure were to remain in place for five years, for example, lots in plats recorded during those five years will pay this recommended fee. Subsequent fee structures will not increase or decrease the fee for lots platted during the five year period.

In order to provide more structure to the collected impact fees, this update of the Impact Fee Capital Improvement Plan recommends establishing a policy relationship between each of the fee zones and the maximum allowable fee. Since 1990, the collected impact fee has been established at a rate lower than the maximum calculated fee. Since the current fee zones were established in 1999, the fee for each zone has not had a formalized policy relationship to the maximum allowable fee. This update proposes establishing the following relationships for each fee zone to the maximum allowable fee for both water and wastewater fees, based on the historic relationships of the water fee zones, rounded to the nearest $100 as shown in Table 14.

Table 14 Existing Impact Fee Structure and Recommended New Impact Fee Structure

	CURRENT IMPACT FEE STRUCTURE		RECOMMENDED NEW FEE STRUCTURE		VARIANCE FROM CURRENT FEES	
WATER	$ PER SERVICE UNIT	% OF MAXIMUM ALLOWABLE	$ PER SERVICE UNIT	% OF MAXIMUM ALLOWABLE	$ INCREASE (DECREASE)	% CHANGE
MAXIMUM ALLOWABLE AMOUNT	$2,280	100%	$3,307	100%	$1,027	45%
DWPZ - OUTSIDE ETJ FEE	$1,700	75%	$2,500	75%	$800	47%
DWPZ- ETJ FEE	$1,700	75%	$2,500	75%	$800	47%
DWPZ - INSIDE CITY FEE	$1,500	66%	$2,200	65%	$700	47%
DDZ - ETJ FEE	$1,300	57%	$1,800	55%	$500	38%
DDZ - INSIDE CITY FEE	$700	31%	$1,000	30%	$300	43%
DDZ - URBAN WATERSHEDS FEE	$600	26%	$800	25%	$200	33%
DDZ- CURE FEE	$500	22%	$700	20%	$200	40%
WASTEWATER	$ PER SERVICE UNIT	% OF MAXIMUM ALLOWABLE	$ PER SERVICE UNIT	% OF MAXIMUM ALLOWABLE	FEE INCREASE (DECREASE)	% INCREASE (DECREASE)
MAXIMUM ALLOWABLE AMOUNT	$2,228	100%	$1,852	100%	($376)	-17%
DWPZ - OUTSIDE ETJ FEE	$1,300	58%	$1,400	75%	$100	8%
DWPZ- ETJ FEE	$1,300	58%	$1,400	75%	$100	8%
DWPZ - INSIDE CITY FEE	$1,200	54%	$1,200	65%	$0	0%
DDZ - ETJ FEE	$800	36%	$1,000	55%	$200	25%
DDZ - INSIDE CITY FEE	$400	18%	$600	30%	$200	50%
DDZ - URBAN WATERSHEDS FEE	$400	18%	$500	25%	$100	25%
DDZ- CURE FEE	$300	13%	$400	20%	$100	33%

Due to the many uncertainties and estimates used to calculate the system-wide impact costs per service unit, this structure recommends that the greatest fee be 75% of the maximum allowable amount. The other percentages reflect the incentives the City provides to develop in certain areas over others. The City has provided these incentives ever since the existing zones were established in 1999. Establishing this policy relationship between the maximum allowable fee and each of the fee zones will make the fees charged responsive to changes in the costs of providing infrastructure for growth—costs which have doubled since 1990. This policy change also preserves current incentives for development consistent with the City's policy goals.

Existing Collected Fees from FY 2006/2007 City-wide Rate Ordinance are attached to this document as Appendix A.

Updated Report Preparation:

City of Austin
Austin Water Utility

Tom Ellison, P.E.
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Teresa Lutes, P.E.

City of Austin
Neighborhood Planning and Zoning Department (NPZD)
Teri McManus (1996, 2010and 2020 population and employment data)
Ryan Robinson, City Demographer (2000 census data)

2006-07 Fee Schedule

	Approved 2005-06	Proposed 2006-07	Change
Austin Water Utility			
Fee for Service Extension Request with Administrative Approval			
Cost per review	$59.20	$61.00	$1.80
Fee for Service Extension Request with Council Approval			
Cost per acre served	$8.90	$9.20	$0.30
Minimum Charge	$295.80	$305.00	$9.20
Maximum Charge	$5,911.40	$6,095.00	$183.60

Fire Hydrant Meter Fees

Water meters are installed on fire hydrants for construction purposes on a temporary basis. Costs associated with fire hydrant meters include an initiation fee, an installation fee, a non-compliance removal fee, and a refundable equipment deposit for the meter and equipment. The initiation fee covers administrative costs in setting up the account on the billing system. The installation fee covers the field costs for installing the meter on the fire hydrant or on a vehicle for use in withdrawing water from a fire hydrant. Backflow prevention assemblies are required to be installed by the contractor and tested by a certified backflow technician and the test report faxed or delivered to Special Services within 48 hours of the meter installation. The non-compliance removal fee is charged when a fire hydrant meter is removed by the City of Austin due to either an ordinance violation or the contractor failing to have a backflow prevention assembly tested and the test report faxed or delivered to Special Services within the required time period. The meter and equipment deposits are to help insure the return of the meter and equipment upon completion of use by the contractor. The equipment deposit does not earn interest, and will be refunded to the customer upon return of the meter and equipment to the Utility, after verification that the meter and equipment is in good working condition, and verification that the utility billing charges have been paid in full. Charges for damages to the meter or equipment will be deducted from the deposit, if applicable. The equipment deposit will be refunded in total if the meter and equipment have been returned in good working condition, and the utility billing charges have been paid in full. If the utility billing charges have not been paid, the deposit will be applied to the unpaid charges first, with any remaining amount refunded to the customer.

Fire Hydrant Initiation Fee			
Cost per initiation	$21.50	$22.20	$0.70
Fire Hydrant Installation Fee			
Cost per installation	$32.20	$33.20	$1.00
Non-Compliance Removal Fee			
Cost per removal	$53.80	$55.50	$1.70
Meter and Equipment Deposit (Refundable)			
1" Meter and equipment	$100.00	$100.00	
3" Meter and equipment	$425.00	$425.00	
Impact Fee (Capital Recovery Fee)			
Drinking Water Protection Zone			
Inside City Fees			
Water	$1,500.00	$1,500.00	
Wastewater	$1,200.00	$1,200.00	
Outside City Fees			
Water	$1,700.00	$1,700.00	
Wastewater	$1,300.00	$1,300.00	

2006-07 Fee Schedule

	Approved 2005-06	Proposed 2006-07	Change
Austin Water Utility			
Impact Fee (Capital Recovery Fee) (continued)			
Desired Development Zone			
Inside City Fees			
Water	$700.00	$700.00	
Wastewater	$400.00	$400.00	
Outside City Fees			
Water	$1,300.00	$1,300.00	
Wastewater	$800.00	$800.00	
Desired Development Zone - Urban Watersheds			
Water	$600.00	$600.00	
Wastewater	$400.00	$400.00	
Desired Development Zone - Central Urban Redevelopment Combining District and the area bounded by Town Lake, Lamar Boulevard, 15th Street, and IH-35			
Water	$500.00	$500.00	
Wastewater	$300.00	$300.00	
Outside of Austin Extraterritorial Jurisdiction (ETJ)			
Water	$1,700.00	$1,700.00	
Wastewater	$1,300.00	$1,300.00	

Calculation of the impact fee in accordance with the Local Government Code requires the use of "Service Units", a standardized measure of consumption, use generation, or discharge attributable to an individual unit of development.

Service units are determined on rated continuous flow of the meter purchased at sale of tap. (AWWA standards)

Calculation of Service Units:

Type	Meter Size	Service Units	
Positive Displacement	5/8"	1	
Positive Displacement	3/4"	1.5	
Positive Displacement	1"	2.5	
Positive Displacement	1 ½"	5	
Turbine	1 ½"	8	
Positive Displacement	2"	8	
Turbine	2"	10	
Compound	3"	16	
Turbine	3"	24	
Compound	4"	25	
Turbine	4"	42	
Compound	6"	50	
Turbine	6"	92	
Turbine	8"	160	
Turbine	10"	250	
Fire Service	6x3"	16	Delete
Fire Service	8x4"	25	Delete
Fire Service	10x10x6"	50	Delete
Fire Service	6x2"	Based on Domestic Demand	New
Fire Service	8x2"	Based on Domestic Demand	New
Fire Service	10x2"	Based on Domestic Demand	New

Appendix B
Descriptions of the Zones for the Fees

Descriptions of the zones for the fees 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.

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 that are in the City's 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 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.

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:
Bull, Eanes, North Dry, Taylor Slough, and West Bull creek watersheds;
Town Lake watershed on the south side of Town Lake from Barton Creek to Tom Miller Dam;
Town Lake watershed on the north side of Town Lake from Johnson Creek to Tom Miller Dam; and
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:
Brushy, Carson, Cedar, Cottonmouth, Country Club, Decker, East Dry, Elm, Gilleland, Harris Branch, Lake, Maha, Marble, North Fork, Rattan, Rinard, South Boggy, South Dry, Walnut, and Wilbarger creek watersheds, Colorado River watershed downstream of U.S. 183; andthose 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:
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.

LDC 25-2-311(A): ***CURE*** means central urban redevelopment (CURE) combining district which is property located in the central urban area shown on the map adopted by Ordinance No. 001130-110, which is on file with the Neighborhood Planning and Zoning Department. This definition is used in the impact fee ordinance 990805-31 with an addition phrase expanding the fee zone to include the area bounded by Town Lake, Lamar Boulevard, 15th Street, and IH-35. (For the Impact Fee, Ordinance 9908-05-31 added "and area bounded by Town Lake, Lamar Blvd., 15th Street and IH-35")

Appendix C
CIP Projects Targeted to Meet Existing Needs--Wastewater

FAO	Subproject ID	Orgn Name	Current Appropriation (in 1000's of dollars)	ITD Expenditures (in 1000's of dollars)
4570 237 8851	4775.004	1997 ANNEXATION PROJECT MGMT	7,740.90	6,694.12
4570 237 8919	6076.001	2000 ANNEXATION PRGRAM MGT WW	245.00	176.41
PLAN 237 P129	2231.102	2006 Drainage Bond WW Rehab	0.00	0.00
PLAN 237 P010	3212.078	2006 Drainage Bond WW Relocation	0.00	0.00
PLAN 237 P125	2231.102	2006 Street Bond WW Rehab	0.00	0.00
PLAN 237 P009	3212.078	2006 Street Bond WW Relocation	0.00	0.00
PLAN 237 P191	2231.111	24th and Vista SSO portion of ACWO 4926.109	0.00	0.00
PLAN 237 P117	3212.094	2nd & Nueces Extension	0.00	0.00
4570 237 8359	6055.015	2ND ST PH 2-COLORADO 2 TRINITY	100.00	0.00
4480 237 8672	5402.001	45TH- DIVISION TO AIRPORT	600.00	0.00
4570 237 8712	5402.001	45TH ST RECONS/WW/LAMAR-AIRPOR	1,035.00	600.02
4570 237 8579	4926.027	ACWP - LWB - QUAIL CREEK	7,477.41	2,897.09
4570 237 8550	4926.003	ACWP - OVERFLOW ABATEMENT	1,259.92	34.17
4570 237 8561	4926.010	ACWP - PMC	29,200.88	21,712.47
4570 237 8560	4926.012	ACWP - WEST RIVERSIDE/KINNEY	1,815.00	355.03
4480 237 8098	4926.081	ACWP- BARTON CRK LS TUNN SEC.1	699.00	0.00
PLAN 237 P162	4926.090	ACWP Govalle 1 Phase II So. 2nd St.	0.00	0.00
4570 237 4573	4926.120	ACWP GOVALLE 4 CHICON ST WW	300.00	0.00
4570 237 4574	4926.121	ACWP GOVALLE 4 PEDERNALES WW	240.00	0.00
PLAN 237 P192	4926.108	ACWP Govalle SSO	0.00	0.00
4570 237 4593	4926.118	ACWP GOVALLE&CROSSTOWN BASINS	480.00	0.00
4570 237 4591	4926.116	ACWP LTTLEWALNUT/GEORGIANDR WW	345.00	0.00
4480 237 8097	4926.107	ACWP- SKUNK HOLLOW WW IMPROVS	405.00	0.00
4570 237 4590	4926.115	ACWP TREE REPLCEMNT SRVCE AGMT	300.00	0.00
4570 237 8776	4926.078	ACWP UPPER SHOAL SPICEWD BRNCH	2,586.00	844.68
4480 237 8096	4926.106	ACWP- WEST BANK LS REHAB	468.00	0.00
4570 237 4583	4926.109	ACWP-24TH ST & VISTA LN AREA	1,372.00	148.07
4480 237 8683	4926.080	ACWP-BARTON HEIGHTS W&WW IMPRV	920.00	76.95
4570 237 4586	4926.081	ACWP-BARTONCRK LS RELIEFTUNNEL	4,500.00	0.00
4570 237 4581	4926.104	ACWP-CROSSTOWN BASIN SSO IMPRV	4,126.00	189.88
4570 237 4552	4926.085	ACWP-EAST LAMAR AREA WW IMPRS	636.00	593.79
4570 237 4553	4926.086	ACWP-EAST MONROE AREA WW IMPS	837.00	89.82
4570 237 4557	4926.088	ACWP-GOVALLE 1 BASIN WW IMPS	430.00	90.08
4570 237 4560	4926.091	ACWP-GOVALLE 1-NEWTON ST WW IM	1,562.00	437.16
4570 237 4559	4926.090	ACWP-GOVALLE 1-S. 2D ST WW IMP	1,754.31	766.95
4570 237 4558	4926.089	ACWP-GOVALLE 1-W LAMAR AREA WW	4,150.00	585.42
4570 237 4565	4926.111	ACWP-GOVALLE 2 BLUNN CREEK	490.00	0.00
4570 237 4564	4926.100	ACWP-GOVALLE 2-HARPERS BRANCH	957.00	52.47
4570 237 4562	4926.092	ACWP-GOVALLE 2-OLTORF ST WW IM	93.00	55.96
4570 237 4563	4926.099	ACWP-GOVALLE 2-TRVIS HTS WW IM	310.00	144.03
4570 237 8756	4926.068	ACWP-GOVALLE 3-TOWN LAKE/RVRSD	5,078.50	308.83
4570 237 4567	4926.093	ACWP-GOVALLE 4-E 7TH ST WW IMP	70.00	56.85
4570 237 4569	4926.095	ACWP-GOVALLE 4-MANOR ROSEWD WW	4,764.00	888.70
4570 237 4571	4926.098	ACWP-GOVALLE 4-UT 40 ST WW IMP	260.00	170.19
4570 237 4568	4926.094	ACWP-GOVALLE 4-WEBBRVL SAN BRN	344.00	298.04
4570 237 4570	4926.097	ACWP-GOVALLE 4-WLR PDNLS WW IM	371.00	280.55

Appendix C
CIP Projects Targeted to Meet Existing Needs--Wastewater

FAO	Subproject ID	Orgn Name	Current Appropriation (in 1000's of dollars)	ITD Expenditures (in 1000's of dollars)
4570 237 8595	4926.048	ACWP-GOVALLE 5 BASIN/W 29TH-BO	4,609.00	278.90
4570 237 8691	4926.052	ACWP-GOVALLE 5 BASIN-PRJ 1 TAY	3,182.20	323.90
4570 237 8692	4926.053	ACWP-GOVALLE 5 BASIN-PRJ 4 W&H	915.04	362.21
4570 237 8693	4926.054	ACWP-GOVALLE 5 BASIN-PRJ5 JOHN	1,050.42	168.37
4570 237 4582	4926.108	ACWP-GOVALLE BASIN SSO PROJECT	1,381.00	191.42
4570 237 8770	4926.072	ACWP-GOVALLE3-CARSON CRK@MNTPL	925.96	212.41
4570 237 8759	4926.071	ACWP-GOVALLE3-MONTOPOLIS DRIVE	1,392.00	243.64
4570 237 8757	4926.069	ACWP-GOVALLE3-PARKR LN/METCALF	2,632.00	302.62
4570 237 8758	4926.070	ACWP-GOVALLE3-WICKSHRE LN/BURL	1,375.00	387.33
4570 237 4584	4926.110	ACWP-HAROLD CRT EMERG WW REPLC	480.00	200.34
4570 237 8585	4926.039	ACWP-LINING SERVICE AGREEMENT	16,089.33	2,188.56
4570 237 4556	4926.101	ACWP-LITTLE WALNT-BRDGPRT&FRFD	756.00	0.00
4570 237 8580	4926.028	ACWP-LITTLE WALNUT/BUTTERMILK	12,100.00	8,963.51
4570 237 4589	4926.114	ACWP-LITTLE WALNUT/EMILY WAY	528.40	0.90
4570 237 4587	4926.112	ACWP-LITTLE WALNUT/MDWOOD DR	489.00	0.93
4570 237 4588	4926.113	ACWP-LITTLE WALNUT/ROCKHRST LN	488.00	1.10
4570 237 4555	4926.096	ACWP-LTL WALNT&UPPER FT BR SSO	350.00	318.47
PLAN 237 P164	4926.035	ACWP-Ltl Walnut/Btrmlk Crk Phase 2	0.00	0.00
4570 237 8573	4926.021	ACWP-LWB AT 290 AND 183	2,534.44	447.61
4570 237 8574	4926.022	ACWP-LWB AT BUTTERMILK CREEK	3,738.94	801.16
4570 237 8575	4926.023	ACWP-LWB AT CENTER CREEK	4,421.18	2,790.69
4570 237 8576	4926.024	ACWP-LWB AT COLONY CREEK NORTH	2,246.12	1,335.39
4570 237 8582	4926.035	ACWP-LWB CREEK AREA WW REHABIL	1,344.27	768.92
4570 237 8578	4926.026	ACWP-LWB-NORTH/CAPITAL DR EASE	8,413.02	1,389.89
4570 237 8772	4926.074	ACWP-MLK/3D ST/WHITE HORSETRL	4,459.60	516.33
4570 237 8581	4926.029	ACWP-MOSS,RNDTREE,PANNEL/E AUS	3,835.04	1,718.64
4570 237 4585	4926.105	ACWP-ONION CRK BASIN SSO ABTMT	1,071.00	38.57
4570 237 8598	4926.056	ACWP-ONION CRK BASIN-LWR SO BO	866.21	643.71
4570 237 8599	4926.055	ACWP-ONION CRK BASIN-WILLIAMSN	3,197.90	229.64
4570 237 8773	4926.075	ACWP-ONION CRK BSN-CHAPRRL TRL	822.00	184.12
4480 237 8680	4926.003	ACWP-OVERFLOW ABATEMENT	0.00	0.00
4570 237 8774	4926.076	ACWP-REPEAT SPILL WW SVC ABTMT	350.00	52.39
4570 237 8583	4926.036	ACWP-SHOAL CREEK 25TH TO 29TH	2,670.22	1,254.67
4570 237 8584	4926.037	ACWP-SHOAL CREEK 29TH TO 34TH	12,840.00	7,196.12
4570 237 8698	4926.060	ACWP-SHOAL CREEK STREAM STABIL	1,696.00	144.52
4570 237 8771	4926.073	ACWP-SHOAL CRK BASIN-GASTON LN	3,074.49	338.14
4570 237 8596	4926.049	ACWP-SMALL REPAIRS SERVICE-AGR	9,552.39	0.00
4570 237 8697	4926.059	ACWP-THREE SIPHONS	1,039.30	104.37
4570 237 8569	4926.032	ACWP-UPPER SHOAL -UPPER HANCOC	8,050.65	1,442.01
PLAN 237 P145	4926.103	ACWP-Upper Tannehill Interceptor	0.00	0.00
4570 237 8566	4926.020	ACWP-UPPER TANNEHILL-BROADMOOR	7,389.21	3,628.90
4570 237 4551	4926.084	ACWP-UPPER WALLER SSO ABTMT PR	485.80	232.57
4570 237 8775	4926.077	ACWP-UPPR SHOAL-SPICEWD SPR RD	925.00	524.14
4570 237 8755	4926.067	ACWP-UPPR TANNEHLL LWR FT BR	1,950.55	1,316.64
4570 237 4554	4926.087	ACWP-WALNUT CRK BSN ODOR CNTRL	250.00	145.31
4570 237 8586	4926.040	ACWP-WATERSHED PROTECTION PERM	873.88	573.49

CIP Projects Targeted to Meet Existing Needs--Wastewater

FAO	Subproject ID	Orgn Name	Current Appropriation (in 1000's of dollars)	ITD Expenditures (in 1000's of dollars)
4570 237 4580	4926.102	ACWP-WEST RIM WW IMPROVEMENT	784.00	53.37
4570 237 4594	4926.123	ACWP-WHITEHORSETRL/ DOWNTOWNWW	1,734.00	0.00
4570 237 8753	4926.064	ACWP-WW MANHOLE REHAB SVC AGMT	3,872.73	353.26
PLAN 237 P032	4857.010	Anderson Mill Estates STAA WW	0.00	0.00
PLAN 237 P131	4857.016	Anderson Mill MUD	0.00	0.00
4570 237 3047	3353.067	AUSTIN BLUE SKY IN INC SER2271	795.73	0.00
PLAN 237 P178	3159.019	AWU Phone Switch Replacement-COATN	0.00	0.00
PLAN 237 P179	3159.018	AWU Time and Attendance system	0.00	0.00
4570 237 8941	4857.011	BARCLAY STAA - WASTEWATER	164.00	19.11
4480 237 8688	4926.081	BARTN CRK LIFT STN RELIEF TUNL	197.60	0.00
4530 237 8403	4926.081	BARTON CREEK L.S. FORCE MAIN	9,735.86	2,817.30
4570 237 8357	3212.070	BGA (10% OF $2M/YR)	100.00	0.00
PLAN 237 P031	3168.033	Bluffington #1 Force Main Replacement	0.00	0.00
4530 237 8406	4954.007	BLUFFINGTON L.S. UPGRAGES	1,000.00	505.95
PLAN 237 P126	3168.043	Boggy Creek LS Upgrade	0.00	0.00
4570 237 3021	3353.026	BROCK COMMERCIAL REIMBURSEMENT	120.00	0.00
4570 237 8719	3212.071	CAP METRO (10% OF $5M 2006-07)	500.00	0.00
4680 237 8004	3185.002	CAPITAL EQUIP-VEHICLES	10,743.71	6,930.63
4480 237 8324	5873.002	CIRCLE S RD CULVRT REPL-STR #2	27.00	0.00
4480 237 8065	3159.010	CMMS HANSEN	68.00	0.00
4430 237 8462	6967.001	CMTA-BGA STREET REHABILITATION	11.25	0.01
PLAN 237 P171	6961.001	Colorado/3rd to 11th	0.00	0.00
4570 237 3033	3353.053	COLTON BLUFF SUBDIVISION - WW	781.25	0.00
4480 237 8067	3159.013	DATA MGMT/INTEGRATION TOOL	180.00	0.00
4570 237 8076	3159.011	DATASTREAM(MP5) CMMS SOFTWARE	150.00	0.00
4570 237 8884	4857.006	DAVENPORT WEST STAA	960.00	806.95
4570 237 8876	4890.006	DAVENPORT/LOOP 360 WW IMP.	4,430.00	777.49
PLAN 237 P093	3212.091	David Ln fm Leo St to Huebiger Dr	0.00	0.00
PLAN 237 P096	3212.091	Davis Ln from Brodie Ln to Coastal Dr	0.00	0.00
4570 237 8883	5205.005	DEL VALLE AREA 3	2,473.61	1,826.94
4480 237 8106	7265.001	DESSAU WWTP REHAB	50.00	0.00
4570 237 8921	3353.043	DESTINATION PARK/TND COLL LINE	1,199.15	0.00
PLAN 237 P142	757.008	Emergency Gen Tie-In/UPS Install	0.00	0.00
PLAN 237 P180	757.010	ESC HVAC System Replacement	0.00	0.00
PLAN 237 P077	757.010	ESC Ice Machine	0.00	0.00
4480 237 9172	757.010	ESC SECURITY IMPROVEMENTS	38.00	0.00
PLAN 237 P069	3212.086	FM 969 fm FM3177 to FM973/973 to SH130	0.00	0.00
PLAN 237 P039	3212.081	FM 973 at Elm Creek	0.00	0.00
PLAN 237 P026	3212.081	FM 973 from 969 to Green Grove	0.00	0.00
4480 237 8322	3212.051	FM 973/SH 71 TO PEARCE LANE	3,551.00	0.00
4570 237 8433	3212.075	FM2222 @ LAKEWOOD (BULL CREEK)	63.48	0.00
PLAN 237 P045	3212.081	FM973 from Green Grove to N of 71	0.00	0.00
PLAN 237 P106	757.009	GBSC Auto CallDist (ACD) Repl/Digital On-hold	0.00	0.00
PLAN 237 P064	757.009	GBSC Carpet Replacement	0.00	0.00
PLAN 237 P114	757.009	GBSC Fire Alarm Panel Replacement	0.00	0.00
PLAN 237 P071	757.009	GBSC Generator Replacement With Transfer	0.00	0.00

Appendix C
CIP Projects Targeted to Meet Existing Needs--Wastewater

FAO	Subproject ID	Orgn Name	Current Appropriation (in 1000's of dollars)	ITD Expenditures (in 1000's of dollars)
PLAN 237 P143	757.009	GBSC HVAC Control Sys WW	0.00	0.00
PLAN 237 P065	757.009	GBSC Replace/Modify Entrance Gate Remote Park	0.00	0.00
4480 237 9153	757.009	GBSC SECURITY IMPROVEMENTS	15.00	0.00
PLAN 237 P113	757.009	GBSC Tilt Wall Seams Caulked	0.00	0.00
4480 237 9152	757.009	GBSC UPS REPLACEMENT	15.00	0.00
4570 237 8325	3212.005	GENERAL UTILITY RELOCATIONS	2,491.75	443.92
4480 237 8066	3159.012	GIS	75.00	0.00
PLAN 237 P187	2231.107	Govalle 2 Blunn Creek SSO Portion of ACWP	0.00	0.00
PLAN 237 P163	4926.071	Govalle 3-Montopolis Dr Phase II	0.00	0.00
4570 237 8932	4927.003	GOVALLE TUNNEL CORROSION REPAI	5,000.00	0.00
PLAN 237 P058	3007.001	Govalle WWTP Improvements/Decommission	0.00	0.00
4570 237 8880	4769.009	HARRIS BRANCH ANNEX REIMB	1,527.00	(9.33)
PLAN 237 P157	6943.001	Harris Branch Filter replacement	0.00	0.00
4410 237 0695	4769.010	HARRIS BRANCH INTERCEPTOR	5,797.61	573.89
PLAN 237 P136	7265.003	Harris Branch Pkg WWTP exp to .6 MGD	0.00	0.00
PLAN 237 P028	3164.021	HB Biosolids Storage Facility	0.00	0.00
PLAN 237 P083	3164.038	HB Digester Domes Repair	0.00	0.00
PLAN 237 P003	3164.020	HB Gravity Belt Improvements	0.00	0.00
4480 237 8129	3164.036	HB HAZARDOUS GAS DETECT/VENTIL	200.00	0.00
4480 237 8148	3164.008	HB-BMP CONTROL SYSTEM REPLACE	50.00	0.00
4480 237 8149	3164.034	HB-SIDESTREAM TRMNT PLANT REBU	50.00	0.00
PLAN 237 P043	3164.029	Hornsby Bend Compost Pad	0.00	0.00
PLAN 237 P044	3164.030	Hornsby Bend Drying Bed Modifications	0.00	0.00
PLAN 237 P046	3164.032	Hornsby Bend Hot Water Piping Replacement	0.00	0.00
4570 237 8144	3164.016	HORNSBY BEND INLET SCREENS	681.00	7.12
PLAN 237 P047	3164.033	Hornsby Bend SAR Digester House Rebuild	0.00	0.00
PLAN 237 P158	3164.042	Hornsby Sludge Drying Facility	0.00	0.00
PLAN 237 P115	3212.093	Howard Ln from Harris Branch to SH 130 WW	0.00	0.00
PLAN 237 P116	3212.093	Howard Ln through Pioneer Crossing	0.00	0.00
PLAN 237 P062	3212.082	IH35 from Grand Ave to Wells Branch	0.00	0.00
PLAN 237 P048	3212.082	IH35 from S. of Yager to Braker Ln	0.00	0.00
PLAN 237 P050	3212.082	IH35 from US 183 Direct N. to N.(Rundberg)	0.00	0.00
PLAN 237 P051	3212.082	IH35 S of Howard Ln to Parmer	0.00	0.00
PLAN 237 P060	3212.082	IH35 Wells Branch to S. of Wells Branch	0.00	0.00
PLAN 237 P059	3212.082	IH35N of Parmer to S	0.00	0.00
4570 237 8917	3322.003	IN-SITU REHAB & REPLACEMENT	14,918.00	13,465.19
4480 237 8055	3159.007	IT MASTER PLAN	0.00	0.00
4480 237 8069	3159.017	IT NETWORK IMPROVEMENTS	50.00	0.00
PLAN 237 P121	3159.016	IT Platform	0.00	0.00
4480 237 8993	3159.003	LABORATORY INFO MGMT SYSTEM	352.00	76.39
PLAN 237 P150	3168.046	Lake Creek LS Capacity Increase	0.00	0.00
4570 237 3011	3353.020	LAMAR CARWASH REIMBURSEMENT	25.00	0.00
4570 237 8210	3168.014	LIFT STATION & FORCE MAIN REHA	797.16	2.70
PLAN 237 P152	3168.048	Lift Station Abandonment	0.00	0.00
PLAN 237 P151	3168.047	Lift Station Relief Study	0.00	0.00
4480 237 8673	2231.095	LITIGATION ASSIST.-ONION CRK T	150.00	0.00

Appendix C
CIP Projects Targeted to Meet Existing Needs--Wastewater

FAO	Subproject ID	Orgn Name	Current Appropriation (in 1000's of dollars)	ITD Expenditures (in 1000's of dollars)
PLAN 237 P122	3212.097	Loop 1 Section 1 & 2 WW	0.00	0.00
4570 237 8349	6599.007	LOOP 1/SH 45 UTILITY RELOCATIO	42.00	4.74
4570 237 8923	4890.007	LOOP 360 HDD STAA #9B	6,441.00	656.63
PLAN 237 P130	4857.015	Lost Creek	0.00	0.00
4570 237 3055	3353.075	MARBRIDGE ESTATES	787.70	0.00
4570 237 3016	3353.054	MARBRIDGE FARMS - WW	345.50	0.00
4570 237 8958	2183.004	MCKALLA PLACE IMPS.	750.00	27.05
4570 237 8939	4857.009	MEADOWHEATH LIFT STATION RELIE	450.00	96.84
4570 237 8711	5481.001	N AUSTIN WASTEWATER INTERCEPT	22,775.00	15.51
4540 237 8050	4769.001	N E AREA REGIONAL SVC PLAN	1,815.00	1,698.98
4570 237 8944	4857.013	NAGLE ANNEXATION AREA	452.50	112.29
4540 237 8051	4769.002	NE AREA INTERIM WWTP	8,987.00	7,725.80
PLAN 237 P128	3168.045	Nixon Lane WW Force Main	0.00	0.00
PLAN 237 P134	4857.017	North Acres	0.00	0.00
PLAN 237 P006	5481.001	North Austin Outfall	0.00	0.00
4530 237 8962	2183.005	NORTH SERVICE CTR EXPOSION INV	3,518.28	2,762.84
PLAN 237 P139	7265.006	Northeast Subregional WWTP Site	0.00	0.00
4570 237 8350	5404.001	NUECES/MLK TO GUADALUPE	18.00	0.00
PLAN 237 P075	3212.089	Old Manor Rd	0.00	0.00
PLAN 237 P094	2231.092	Onion Creek Tunnel Corrosion Protection Inst	0.00	0.00
4380 237 8933	2231.059	ONION CREEK TUNNEL LINER	4,981.00	5,813.18
PLAN 237 P184	2231.105	Onion Crk Basin Chaprrl Tr SSO ACWP	0.00	0.00
PLAN 237 P053	7025.001	Pearce Lane WWTP Pre Engineering	0.00	0.00
4480 237 8280	3168.042	PICKFAIR DECOMMISSIONING	500.00	0.00
4570 237 3043	3353.060	PIONEER CROSSING AMENDED PUD N	4,068.00	0.00
PLAN 237 P138	7265.005	Pkg WWTP Rehab	0.00	0.00
PLAN 237 P161	5645.001	Plant O & M Mgmt Systems	0.00	0.00
PLAN 237 P118	3212.095	Pleasant Valley St Elmo to Nuckols	0.00	0.00
4480 237 8279	7265.002	PURCHASE OF DESSAU UTILITIES	2,400.00	0.00
PLAN 237 P186	3376.038	Purchase of Silverado(Dessau Mobile Home)	0.00	0.00
4570 237 3049	3353.071	RANCHO ALTO VENTURES	577.17	0.00
4570 237 8358	5873.012	RED BUD TRL-FEASIBILITY OF REL	28.00	0.00
PLAN 237 P120	3212.096	Redbud Trail	0.00	0.00
4480 237 8660	2231.004	REPLACE DETERIORATED FACILITIE	499.23	0.00
PLAN 237 P181	757.007	Replace WCC Make up Air Handler	0.00	0.00
4480 237 8828	5403.001	RIO GRAND-MLK TO 29TH	173.00	0.00
4570 237 8355	5374.002	RIVERSIDE DR-CONGRESS 2 S.1ST	44.21	0.00
4570 237 3046	5028.002	RMMA REDEV CATELLUS SER #2263	3,206.00	294.72
4570 237 3039	3353.049	ROBERTSON HILL DEVELOPMENT-WW	400.00	0.00
4480 237 8108	7264.001	ROOFING PARENT ACCT(ASSESSMENT	25.00	0.00
PLAN 237 P063	3212.083	RR 2222 from 620 to 360	0.00	0.00
PLAN 237 P018	3333.009	SAR Electrical Improvements	0.00	0.00
PLAN 237 P088	3333.021	SAR Expansion to 100 MGD	0.00	0.00
4480 237 8181	3333.023	SAR EXPANSION- TRAIN C	30.00	0.00
4540 237 8177	3333.008	SAR NEW ELECTRICAL SUBSTATION	20,200.00	10,226.87
PLAN 237 P022	3333.012	SAR Pump Systems	0.00	0.00

Appendix C
CIP Projects Targeted to Meet Existing Needs--Wastewater

FAO	Subproject ID	Orgn Name	Current Appropriation (in 1000's of dollars)	ITD Expenditures (in 1000's of dollars)
PLAN 237 P085	3333.019	SAR Raise Access Shafts on Interconnect Tunne	0.00	0.00
PLAN 237 P081	3333.017	SAR Replace Drives on A & B Clarifiers & Thic	0.00	0.00
PLAN 237 P082	3333.018	SAR Replace Grit Classifiers on Plant A & B	0.00	0.00
PLAN 237 P087	3333.020	SAR Replace Influent Valve Filter 1	0.00	0.00
PLAN 237 P033	3333.013	SAR Roof Replacement	0.00	0.00
PLAN 237 P034	3333.014	SAR Scum Facilities	0.00	0.00
PLAN 237 P160	3333.026	SAR Security Phase II	0.00	0.00
PLAN 237 P080	3333.016	SAR Thickened Sludge & Scum Pump Replacement	0.00	0.00
PLAN 237 P035	3333.015	SAR Thickner/Filter Improvements	0.00	0.00
4540 237 8176	3333.007	SAR TRAIN C NORTH	25,030.00	22,954.43
4590 237 8842	3333.007	SAR TRAIN C NORTH	9,290.00	26.13
PLAN 237 P146	3333.007	SAR Train C North	0.00	0.00
4540 237 8175	3333.006	SAR TRAIN C SOUTH	30,100.00	19,324.95
PLAN 237 P154	3333.024	SAR Upgrade controls for Elevator LS2	0.00	0.00
PLAN 237 P119	3159.014	SCADA	0.00	0.00
4570 237 3057	3353.077	SCOTS GLEN	1,204.00	0.00
4570 237 3044	3353.004	SER REIMBURSEMENTS-CP	9,467.24	0.00
4480 237 8918	757.009	SERVICE CENTER IMPROVEMENT WW	38.02	37.75
PLAN 237 P123	3212.098	SH 45 Section 8 WW	0.00	0.00
PLAN 237 P124	3212.098	SH 45 Section 9 WW	0.00	0.00
PLAN 237 P165	3212.079	SH71 from FM973 to Bastrop Co line	0.00	0.00
PLAN 237 P023	3212.079	SH71 from US183 to 973	0.00	0.00
4570 237 8360	6967.001	STREET REHAB FOR MIDDLE FISKVL	37.30	0.00
4570 237 8361	6968.001	STREET REHAB FOR NORTHCREST	39.81	0.00
4480 237 8068	3159.015	TIE2MOTOR GENERATOR AT GBSC/WC	75.00	0.00
PLAN 237 P076	3212.090	Todd Ln from Ben White to St .Elmo	0.00	0.00
4430 237 0738	3212.003	TSM (MISCELLANEOUS)	135.00	70.44
PLAN 237 P017	4769.011	Upper Harris Branch Interceptor	0.00	0.00
PLAN 237 P073	3212.088	US 183 at IH 35 (S. to S Connection)	0.00	0.00
4480 237 8829	3212.072	US 183- BOLM TO PATTON	730.00	0.00
PLAN 237 P066	3212.084	US 183 from SH71 to SH 130	0.00	0.00
4570 237 8428	3212.060	US 183/BOLM RD TO THOMPSON LN	4,681.00	87.90
4570 237 8341	3212.049	US 183/GOVALLE TUNNEL SHAFT RE	3,137.00	284.95
4480 237 8827	3212.055	US183-H2O RELOC-SPRNGDALE2BOGG	537.00	0.00
4570 237 8356	3212.056	US290-JOE TANNER TO SCENIC BRK	311.00	0.00
4480 237 8927	757.007	WALLER CREEK CENTER IMPS	102.12	101.90
4570 237 8937	6932.001	WALNUT CREEK PROJECT MGMT	15,132.57	1,931.44
PLAN 237 P027	3023.019	Walnut Creek WWTP Headw orks Improvements	0.00	0.00
PLAN 237 P002	3023.018	Walnut Creek WWTP Misc. Imp.	0.00	0.00
PLAN 237 P036	3023.021	Walnut Creek WWTP Plant Control System Upgrad	0.00	0.00
PLAN 237 P005	3023.015	Walnut WWTP Master Plan	0.00	0.00
4570 237 3050	3353.073	WATERSEDGE PUD MAKAR	2,690.00	0.00
PLAN 237 P099	757.007	WCC Building Envelope Inspection/Re-Caulking	0.00	0.00
PLAN 237 P108	757.007	WCC Crossw alk Roof Replacement	0.00	0.00
PLAN 237 P095	757.007	WCC Equipment Generator Tie-In	0.00	0.00
4480 237 9117	757.007	WCC FIRE PANEL REPLACEMENT	100.00	0.00

Appendix C
CIP Projects Targeted to Meet Existing Needs--Wastewater

FAO	Subproject ID	Orgn Name	Current Appropriation (in 1000's of dollars)	ITD Expenditures (in 1000's of dollars)
PLAN 237 P135	757.007	WCC Fire Pump Replacement	0.00	0.00
4480 237 9118	757.007	WCC SECURITY IMPROVEMENTS	20.00	0.00
PLAN 237 P104	757.007	WCC Telephone System Upgrade Succession 3.0	0.00	0.00
PLAN 237 P074	757.007	WCC Won Door Motor Replacement	0.00	0.00
PLAN 237 P149	3023.006	WCWWTP Elect Dist Impr Ph II	0.00	0.00
4570 237 8892	5014.002	WEST BOULDIN CREEK INTERCEPTOR	5,994.00	3,723.84
PLAN 237 P172	6943.002	West Waller Interceptor Improvements	0.00	0.00
PLAN 237 P110	3212.092	Westgate from Cameron Lp to Cohaba	0.00	0.00
4570 237 3023	3353.028	WILD HORSE RANCH WW REIMBURSEM	11,000.00	0.00
4570 237 3056	3353.076	WILDHORSE ADDITION	988.44	0.00
PLAN 237 P090	4769.015	Wildhorse North Interceptor Ext No. of 290	0.00	0.00
4480 237 8826	4769.008	WILDHORSE NW INTERCEPTOR PH 2	3,000.00	0.00
PLAN 237 P148	3353.028	Wildhorse Ranch	0.00	0.00
PLAN 237 P137	7265.004	Wildhorse WWTP Expand to 1.5 MGD	0.00	0.00
4570 237 8213	4769.003	WILLIAM WALLACE WAY LIFT STATI	4,000.00	0.00
4570 237 8705	5267.006	WRI CENTRAL PHASE IB	3,400.00	764.65
PLAN 237 P098	757.008	WSC Bird Netting	0.00	0.00
PLAN 237 P140	757.008	WSC Fire Alarm System	0.00	0.00
PLAN 237 P072	757.008	WSC PBX Phone System	0.00	0.00
4480 237 9133	757.008	WSC SECURITY IMPROVEMENTS	60.00	0.00
PLAN 237 P078	757.008	WSC Window Replacement	0.00	0.00
4510 237 5011	3163.001	WW HOUSE CONNECTIONS	3,394.13	2,512.88
4530 237 8101	3023.006	WW PLANT ELECTRICAL DIST IMP	19,611.54	2,745.92
4510 237 5010	2981.001	WW SUBD ENG & INSP.	6,799.09	6,150.03
4570 237 8447	3212.068	YAGER LN AT IH35-WW RELOCATION	115.00	30.80
4570 237 3045	3353.062	ZACHRY SCOTT TRACT WW SER#2260	1,333.74	0.00
Agency Total -- 237			**547,153.94**	**199,344.63**
Total -- Austin Water Utility Water and Wastewater			**1,049,737.68**	**376,508.00**

Appendix D
CIP Projects Targeted to Meet Existing Needs--Water

FAO	Subproject ID	Orgn Name	Current Appropriation (in 1000's of dollars)	ITD Expenditures (in 1000's of dollars)
3960 227 7869	4775.004	1997 ANNEXATION PM	599.10	500.59
3960 227 7523	4798.007	2004 VALVE REPLACEMENT PROGRAM	2,032.85	40.42
PLAN 227 P164	2231.102	2006 Drainage Bond Water Rehab	0.00	0.00
PLAN 227 P052	3212.078	2006 Drainage Bond Water Relocation	0.00	0.00
PLAN 227 P161	2231.102	2006 Street Bond Water Rehab	0.00	0.00
PLAN 227 P025	3212.078	2006 Street Bond Water Relocation	0.00	0.00
PLAN 227 P085	4798.009	2008 Valve Replacement Program	0.00	0.00
PLAN 227 P086	4798.010	2010 Valve Replacement Program	0.00	0.00
3960 227 7469	6964.001	22ND- SAN GABRIEL TO NUECES	314.00	0.00
PLAN 227 P147	3212.094	2nd & Nueces Extension	0.00	0.00
3920 227 7483	6055.015	2ND ST PH 2-COLORADO 2 TRINITY	181.00	0.00
3920 227 7471	6589.001	31ST STREET-SPEEDWY TO WALLING	235.80	7.26
3960 227 7464	5408.002	34TH ST WEST AVE TO SHOAL CRK	359.00	0.00
3960 227 7382	5402.001	45TH STREET DIVISION TO LAMAR	6,697.46	3,916.12
3920 227 7838	5267.014	ABANDON 24" LINE	60.00	0.00
3960 227 6015	5267.012	ABIA EXTENSION	1,450.00	0.00
3960 227 2054	3353.074	ALEXAN ONION CREEK	760.00	0.00
PLAN 227 P081	6621.006	All WTP Security Improvements	0.00	0.00
3960 227 2018	3353.022	AMAX SELF STG REIMBURSEMENT	290.00	137.05
PLAN 227 P048	4857.010	Anderson Mill Estates STAA	0.00	0.00
PLAN 227 P169	4857.016	Anderson Mill MUD	0.00	0.00
PLAN 227 P020	5038.002	Anderson Mill/RR 620 TM	0.00	0.00
3920 227 2010	3353.015	AUSTIN MARKETPLACE SERVICE EXT	226.00	0.00
3920 227 2013	3353.018	AVERY RANCH BLVD WEST TM	2,138.20	762.24
3960 227 2040	3353.018	AVERY RANCH SERVICE EXTENSION	2,311.30	2,311.22
PLAN 227 P186	3159.019	AWU Phone Switch replacement-GAATN	0.00	0.00
PLAN 227 P185	3159.018	AWU Time & Attendance System	0.00	0.00
3920 227 7712	4810.001	BARTON BLUFF 16" WATER LINE	110.00	32.80
3920 227 7697	2231.083	BARTON HEIGHTS WWW IMPROVEMNTS	50.00	6.03
PLAN 227 P051	4800.026	Benedict/Allston/Dunning	0.00	0.00
PLAN 227 P122	4953.010	Boundary Fencing (Ed Crossing, Tabor and Andr	0.00	0.00
3960 227 7498	6960.001	BRAZOS- CESAR CHAVEZ TO 11TH	120.00	0.00
PLAN 227 P189	2231.103	Brazos-3rd to 11th	0.00	0.00
3960 227 7493	3212.070	BUILD GREATER AUSTIN-WATER REL	200.00	0.00
3960 227 7749	2231.094	BUILD GREATR AUSTIN-WATER REHA	100.00	0.00
3960 227 7059	4953.017	BUILDING TO HOUSE STAFF	200.00	0.00
3960 227 2015	3353.021	BURATTI PECORA II REIMBURSEMEN	280.00	0.00
3960 227 2022	3353.027	CANYON CREEK SUBDIVISION REIMB	1,100.00	275.00
4180 227 8004	3185.002	CAPITAL EQUIP-VEHICLES	4,834.37	4,384.33
3960 227 7748	2231.093	CAPITAL METRO- WATER REHAB	250.00	0.00
3960 227 7494	3212.071	CAPITAL METRO-WATER RELOCATION	500.00	0.00
3960 227 7491	6965.001	CASWELL- 49TH TO 51ST	200.00	0.00
3960 227 2049	3353.068	CIRCLE C CCR 103 WATER LINE	900.00	0.94
3920 227 7066	3159.010	CMMS HANSEN	68.00	0.00
3920 227 7530	4800.024	CNTRL NRTH&NRTH ZONE BNDRY PRJ	1,700.00	0.00
3960 227 7468	6961.001	COLORADO- CESAR CHAVEZ TO 11TH	220.00	0.00

Appendix D
CIP Projects Targeted to Meet Existing Needs--Water

FAO	Subproject ID	Orgn Name	Current Appropriation (in 1000's of dollars)	ITD Expenditures (in 1000's of dollars)
PLAN 227 P195	6961.001	Colorado/3rd to 11th	0.00	0.00
3960 227 2033	3353.053	COLTON BLUFF SUBDIVISION-WATER	687.50	0.00
3920 227 7067	3159.013	DATA MGMT/INTEGRATION TOOL	180.00	0.00
3960 227 7076	3159.011	DATASTREAM(MP5) CMMS SOFTWARE	150.00	0.00
PLAN 227 P141	3212.091	David Ln fm Leo St. to Huebiger Dr	0.00	0.00
PLAN 227 P010	2015.004	David WTP Filter Imp Phase II	0.00	0.00
PLAN 227 P059	2015.015	Davis Basin Hand Rail Replacements	0.00	0.00
PLAN 227 P061	2015.016	Davis Bldg Roof Replacements	0.00	0.00
PLAN 227 P197	2015.004	Davis Filter Process-CP	0.00	0.00
PLAN 227 P142	3212.091	Davis Ln fm Brodie Ln to Coastal Dr.	0.00	0.00
PLAN 227 P062	2015.017	Davis LSPS Intake, Wetw ell Hydraulics Rehab	0.00	0.00
PLAN 227 P073	2015.018	Davis Plant & Equip Rehab & Upgrade Ph II	0.00	0.00
PLAN 227 P019	2015.013	Davis Plant & Equip Rehab 7 Upgrade Ph III	0.00	0.00
PLAN 227 P074	2015.019	Davis SCADA System	0.00	0.00
3960 227 7143	2015.013	DAVIS WTP EQUIP REHAB & AUTOMT	12,200.00	74.74
3960 227 7140	2015.004	DAVIS WTP FILTER PROC IMPROV	9,320.00	188.95
3960 227 7141	2015.011	DAVIS WTP FLOCCULATOR IMPROVMT	4,075.00	7.12
PLAN 227 P016	2015.021	Davis WTP Master Plan	0.00	0.00
4200 227 7135	2015.010	DAVIS WTP PHASE II	12,310.00	160.02
PLAN 227 P001	2015.012	Davis WTP Phase III Improvements	0.00	0.00
PLAN 227 P022	2015.006	Davis WTP Plant Pow er Distribution Upgrade	0.00	0.00
3960 227 7883	5205.005	DEL VALLE AREA 3	3,881.39	2,823.85
3960 227 7921	3353.043	DESTINATION PARK/TND TM	1,352.47	0.94
3960 227 7935	6935.007	E HWY 183 TM	450.00	0.00
3900 227 0945	2097.001	ELROY TRANSMISSION MAIN	5,356.63	1,744.31
PLAN 227 P179	757.008	Emergency Gen. Tie-in/UPS Install	0.00	0.00
PLAN 227 P064	757.010	ESC Ice Machine	0.00	0.00
3920 227 6172	757.010	ESC SECURITY IMPROVEMENTS	38.00	0.00
PLAN 227 P184	757.010	ESC-HVAC System Replacement	0.00	0.00
PLAN 227 P191	3376.039	Estates of Shady Hollow	0.00	0.00
PLAN 227 P177	757.008	Fire Alarm System WSC	0.00	0.00
PLAN 227 P134	3212.087	FM 812 from US 183 to SH130	0.00	0.00
PLAN 227 P130	3212.086	FM 969 from Perez to Tannehill	0.00	0.00
PLAN 227 P077	3212.081	FM 973 from FM 812 to US 183	0.00	0.00
PLAN 227 P065	3212.081	FM 973 From Pearce Ln to FM 812	0.00	0.00
3960 227 7433	3212.075	FM2222 @ LAKEWOOD (BULL CREEK)	172.93	0.00
PLAN 227 P129	3212.086	FM969 fm FM 3177 to FM973/973 to SH130	0.00	0.00
PLAN 227 P083	3212.081	FM973 from Green Grove to N. of 71	0.00	0.00
PLAN 227 P082	3212.081	FM973 N. of Elroy to S. of Elroy	0.00	0.00
PLAN 227 P160	2127.003	Forest Ridge and Pilot Knob Access Rds	0.00	0.00
PLAN 227 P044	6683.003	Forest Ridge/NWA TM	0.00	0.00
PLAN 227 P046	6683.005	Four Points/NWB TM	0.00	0.00
PLAN 227 P112	757.009	GBSC Auto Call Dis (ACD) Repl/Digital On-hold	0.00	0.00
PLAN 227 P055	757.009	GBSC Carpet Replacement	0.00	0.00
PLAN 227 P119	757.009	GBSC Fire Alarm Panel Replacement	0.00	0.00
PLAN 227 P017	757.009	GBSC Generator Replacement With Transer Sw i	0.00	0.00

Appendix D
CIP Projects Targeted to Meet Existing Needs--Water

FAO	Subproject ID	Orgn Name	Current Appropriation (in 1000's of dollars)	ITD Expenditures (in 1000's of dollars)
PLAN 227 P071	757.009	GBSC Replace/Modify Entrance Gate Remote Park	0.00	0.00
3920 227 6153	757.009	GBSC SECURITY IMPROVEMENTS	15.00	0.00
PLAN 227 P118	757.009	GBSC Tilt Wall Seams Caulked	0.00	0.00
3920 227 6152	757.009	GBSC UPS REPLACEMENT	15.00	0.00
PLAN 227 P006	757.009	GBSC UPS Replacement	0.00	0.00
PLAN 227 P183	757.009	GBSC-HVAC Control System	0.00	0.00
3960 227 7325	3212.005	GENERAL UTILITY RELOCATINS	9,280.43	475.06
3920 227 7065	3159.012	GIS 2006	75.00	0.00
3960 227 2052	3353.072	GOODNIGHT RANCH	3,796.50	0.00
3960 227 7123	2009.010	GREEN WTP DECOMMISSIONING	100.00	0.00
3920 227 7118	2009.008	GREEN WTP REPLACEMENT STUDY	350.00	102.31
3920 227 7472	6028.001	GRNGR DR-BUCKS RUN TO BLUD MDW	154.58	1.72
3960 227 7374	6055.002	GUADALUPE BEAUTIFICATION RELOC	383.74	46.03
PLAN 227 P054	6939.001	Harris Ridge Blvd. Loop Connection	0.00	0.00
PLAN 227 P027	6934.003	Harris Ridge Conversion	0.00	0.00
PLAN 227 P124	4953.012	Hays County Ranch Boundary Fencing Section 1	0.00	0.00
PLAN 227 P125	4953.013	Hays County Ranch Boundary Fencing Section 2	0.00	0.00
PLAN 227 P155	2127.004	Highland Park Overflow Project	0.00	0.00
PLAN 227 P145	3212.093	Howard Ln from Harris Branch to SH 130	0.00	0.00
PLAN 227 P146	3212.093	Howard Ln through Pioneer Crossing	0.00	0.00
PLAN 227 P149	4800.029	HWY 290 / 183 Low Pressure Project	0.00	0.00
PLAN 227 P150	4800.030	IH 35 / Oltorf Low Pressure Project	0.00	0.00
PLAN 227 P042	6937.002	IH 35 South Reservoir	0.00	0.00
PLAN 227 P156	4800.031	IH 35N.	0.00	0.00
PLAN 227 P132	3212.082	IH35 from Grand Ave to Wells Branch	0.00	0.00
PLAN 227 P092	3212.082	IH35 from S. of Yager to Braker Ln	0.00	0.00
PLAN 227 P093	3212.082	IH35 from US 183 Direct N to N Rundberg	0.00	0.00
PLAN 227 P095	3212.082	IH35 N of Parmer to S.	0.00	0.00
PLAN 227 P094	3212.082	IH35 S. of Howard Ln to Parmer	0.00	0.00
PLAN 227 P098	3212.082	IH35 Wells Branch to S. of Wells Branch	0.00	0.00
3920 227 7055	3159.007	IT MASTER PLAN	0.00	0.00
3920 227 7069	3159.017	IT NETWORK IMPROVEMENTS	50.00	0.00
PLAN 227 P135	3159.016	IT Platform	0.00	0.00
3960 227 2046	3353.063	JOHNSON RIDGE TRCT WTR SER2257	5,316.90	0.00
3920 227 7970	3353.007	JOURDAN'S CROSSING SERV EXTEN	221.54	88.54
3920 227 7993	3159.003	LABORATORY INFO MGMT SYSTEM	352.00	76.39
3920 227 7262	2127.013	LACROSSE RESERVOIR RECOAT&SAFE	475.00	0.00
3920 227 7473	6587.001	LINNET DRV-WESTGTE TO LONGVIEW	225.68	3.21
PLAN 227 P153	3212.097	Loop 1 Section 1 & 2 Water	0.00	0.00
3960 227 7441	6599.007	LOOP 1/SH 45 UTILITY RELOCATIO	100.00	11.32
3960 227 7907	4890.007	LOOP 360 HDD STAA #9B	165.00	64.31
3920 227 7226	5071.001	LOOP 360 IMPROVEMENTS	888.20	388.89
PLAN 227 P056	6939.003	Loop 360 Westlake to Waymaker	0.00	0.00
PLAN 227 P168	4857.015	Lost Creek	0.00	0.00
3960 227 7357	363.004	LOYOLA-183 TO CRYSTALBROOK	700.00	273.55
3920 227 7474	6586.001	LTTLE HLL CR-CRAIGWD TO CRAGWD	509.16	22.13

Appendix D
CIP Projects Targeted to Meet Existing Needs--Water

FAO	Subproject ID	Orgn Name	Current Appropriation (in 1000's of dollars)	ITD Expenditures (in 1000's of dollars)
PLAN 227 P038	6936.003	Martin Hill Pump Station	0.00	0.00
3830 227 0447	2028.001	MARTIN HILL TRANSMISSION MAIN	4,584.00	271.10
PLAN 227 P024	4800.023	McAllen Pass PRV	0.00	0.00
3830 227 0700	2030.001	MCNEIL RD TRANSMISSION MAIN	3,500.00	149.43
4200 227 7719	4800.007	MESA/GREYSTONE PUMP STATION	1,452.00	83.76
3920 227 7475	6588.001	MONROE ST-EASTSIDE TO CONGRESS	518.33	9.46
3920 227 7818	6934.001	MOTOROLA/OAKHILL CONVERSION	300.00	0.00
3920 227 7820	6939.002	MT LARSN RD/LAGUNA VSTA/LAKESH	437.00	0.00
3960 227 2036	3353.055	NALLE WOODS SUBDIVISION	464.00	0.00
PLAN 227 P163	5038.001	NMC Pumps Stations	0.00	0.00
PLAN 227 P170	4857.017	North Acres	0.00	0.00
PLAN 227 P159	2127.012	North Austin Reservoir Replacement	0.00	0.00
4200 227 7959	2183.005	NORTH SERVICE CENTER	3,163.28	1,953.42
3920 227 7531	4800.025	NORTHWEST A&B ZONE BNDRY PRJ	1,400.00	0.00
3960 227 7362	5404.001	NUECES ST RECONSTRUCTION	580.00	12.30
3920 227 7218	5038.001	NWC PUMP STATION & TM	600.00	172.59
PLAN 227 P137	3212.089	Old Manor Rd	0.00	0.00
3960 227 7467	6959.001	OLTORF- CONGRESS TO IH35	585.00	0.00
3960 227 7435	6959.002	OLTORF STREET RECONSTRUCTION	594.00	53.00
3960 227 2025	3353.030	PICKARD TRACT	978.00	2.94
PLAN 227 P008	3368.001	Pilot Knob Pump Station	0.00	0.00
3960 227 2043	3353.060	PIONEER CROSSING AMENDED PUD N	1,170.00	0.00
3960 227 2031	3353.033	PIONEER CROSSING PH2,SER1825	725.00	402.53
PLAN 227 P148	3212.095	Pleasnt Valley St Elmo to Nuckols	0.00	0.00
3920 227 7620	5309.001	POLYBUTYLENE SERVICE REPLACE	671.38	20.88
PLAN 227 P187	4953.003	Property Improvements for New Bond Lands	0.00	0.00
3920 227 7220	2006.001	PUMP STATION IMPROVEMENTS	1,000.00	0.00
PLAN 227 P162	2006.001	Pump Station Improvements	0.00	0.00
PLAN 227 P190	3376.038	Purchase of Silverado(Dessau Mobile Home)	0.00	0.00
4200 227 7721	4800.009	RABB/BBONNET AREA PRESSURE IMP	850.00	323.23
3960 227 7482	5873.012	RED BUD TRL-FEASIBILITY OF REL	28.00	0.00
PLAN 227 P151	3212.096	Redbud Trail	0.00	0.00
3920 227 7070	4953.017	REICHER RANCH RENOVTN-OFFICES	136.60	0.00
3920 227 7660	2231.004	REPLC DETERIORATED FACILITIES	1,938.59	50.10
3920 227 6810	2127.001	RESERVOIR IMPROVEMENTS	1,351.97	155.48
3920 227 7105	2127.010	RESERVOIR SECURITY IMPROVEMNTS	425.00	0.00
3960 227 2048	3353.066	RIDDELL/ADAMS EXTRCT TRCTS WTR	4,204.61	1.88
3960 227 7465	5403.002	RIO GRANDE/12TH TO MLK	600.00	0.00
3960 227 7496	3212.073	RM 2244 DRAINAGE REDESIGN	8.00	0.00
3960 227 7791	5028.002	RMMA REIMBUSEMENT (CATELLUS)	9,821.48	860.47
3960 227 2039	3353.049	ROBERTSON HILL DEVELOPMENT-W	350.00	0.00
3960 227 7746	4800.009	ROBRT E.LEE/RABB/BLUEBNT LN PI	3,694.00	0.00
3960 227 7024	7264.001	ROOFING PARENT ACCT(ASSESSMENT	25.00	0.00
PLAN 227 P099	3212.083	RR 2222 from 620 to 360	0.00	0.00
PLAN 227 P121	4953.009	Rutherford Boundary Fencing	0.00	0.00
PLAN 227 P126	4953.014	Rutherford Fencing (road easement)	0.00	0.00

Appendix D
CIP Projects Targeted to Meet Existing Needs--Water

FAO	Subproject ID	Orgn Name	Current Appropriation (in 1000's of dollars)	ITD Expenditures (in 1000's of dollars)
PLAN 227 P120	4953.008	Rutherford Watergaps Replacement	0.00	0.00
PLAN 227 P133	3159.014	SCADA	0.00	0.00
3960 227 2047	3353.065	SCHULTZ 45AC TRCT WTR SER#2289	216.00	0.00
3920 227 7102	6621.001	SECURITY ENHANCEMENTS-WATER	4,958.73	2,874.39
3960 227 2044	3353.004	SER REIMBURSEMENTS-CP	1,090.51	0.00
3920 227 7918	757.009	SERVICE CENTER IMPROVEMENT WTR	40.14	39.87
4200 227 7739	4800.032	SETON-SHOAL CREEK WATERLINE	227.16	0.00
3960 227 7747	6935.010	SH 130 CROSSINGS	600.00	0.00
PLAN 227 P154	3212.098	SH 45 Section 8 Water	0.00	0.00
PLAN 227 P158	3212.098	SH 45 Section 9-Water	0.00	0.00
PLAN 227 P063	3212.079	SH71 from US 183 to 973	0.00	0.00
3960 227 7121	2009.006	SHAW LN LIME SLDG PIT NO.2 DEV	700.00	3.92
3920 227 6751	2231.091	SMALL DIAMETER MAIN REPLACE	113.00	0.00
3920 227 7625	5309.005	SO CENTRAL AREA PB SERVICE REP	1,550.00	4.18
3960 227 7466	6052.001	SPEEDWAY- 25TH TO 46TH	97.00	0.00
PLAN 227 P043	6935.006	Spicewood Springs 24-inch TM Upgrade	0.00	0.00
3960 227 2026	3353.038	STONE HEDGE SUBDIVISION	12,000.00	457.60
4200 227 7725	4800.021	SWC PRESSURE ZONE IMP PH2	3,500.00	201.21
4200 227 7722	4800.010	SWC PRESSURE ZONE IMPS	5,932.00	2,943.53
4200 227 7726	4800.022	SWC PRESSURE ZONE TM PH1	2,855.00	489.12
3960 227 7230	4800.022	SWC PRESSURE ZONE TM PHASE 1	5,550.00	0.00
4200 227 7715	4800.004	SYSTEM IMP TO MEET MIN STANDAR	759.65	38.85
PLAN 227 P123	4953.011	Tabor Dam Repair	0.00	0.00
3920 227 7068	3159.015	TIE 2 MOTOR GENERATORS AT GBSC	75.00	0.00
PLAN 227 P139	3212.090	Todd Ln from Ben w hite to St. Elmo	0.00	0.00
3960 227 2020	3353.025	TRAVIS COUNTRY WEST-REIMBURSEM	1,725.00	1,108.25
3960 227 2042	3353.061	TRINITY PUBLICATION	45.00	0.00
3960 227 7389	3212.051	TXDOT FM973 S OF SH71-PEARCE L	533.00	109.74
3960 227 7497	3212.074	TXDOT FY06-$35M ($5M NON IH35)	500.00	0.00
4240 227 7161	5335.002	ULLRIC 160MGD EXP/160MGD CON 1	3,100.00	2,072.42
PLAN 227 P192	5335.005	Ullrich DACS Obsolescence	0.00	0.00
PLAN 227 P144	2006.004	Ullrich Pump Station to Serve West Rim	0.00	0.00
4210 227 7158	5335.001	ULLRICH WTP 160 MDG IMPS	34,900.00	28,694.56
4240 227 7160	5335.001	ULLRICH WTP 160 MGD IMPROVEMEN	35,884.00	19,684.30
3920 227 7163	5335.004	ULLRICH WTP LITIGATION	47.00	0.00
3960 227 7169	5335.001	ULLRICH WTP160 MGD IMPROVEMENT	43,952.50	32,613.50
3960 227 2050	3353.069	UNIVERSTY NGHBRHD OVERLAY DSTR	1,934.80	0.94
PLAN 227 P196	6935.011	US 183 24" TM	0.00	0.00
PLAN 227 P136	3212.088	US 183 at IH 35 (S. to S. connection)	0.00	0.00
3960 227 7495	3212.072	US 183- BOLM TO PATTON	11,159.00	0.00
PLAN 227 P100	3212.084	US 183 from SH71 to SH130	0.00	0.00
3960 227 7492	3212.055	US 183- SPRINGDALE TO BOGGY	3,090.00	0.00
PLAN 227 P131	3212.085	US290E from E. of FM 374 to E. of 973	0.00	0.00
PLAN 227 P115	3212.085	US290E of Arterial to E. of FM 734	0.00	0.00
3960 227 7438	3212.056	W US 290-71 JOE TANNER-SCENIC	430.00	218.59
3920 227 7927	757.007	WALLER CREEK CENTER IMPRS	72.55	72.55

Appendix D
CIP Projects Targeted to Meet Existing Needs--Water

FAO	Subproject ID	Orgn Name	Current Appropriation (in 1000's of dollars)	ITD Expenditures
3960 227 7937	6932.001	WALNUT CREEK PROJECT MANAGEMEN	939.40	212.18
3960 227 7939	6932.002	WALNUT CRK SVC TO ANNXD PRJT A	970.00	0.00
3920 227 7119	3156.003	WATER RESOURCE PLANNING STUDY	580.00	12.15
3940 227 5011	2982.001	WATER SERVICES & METERS	5,780.00	4,964.06
3940 227 5010	2981.001	WATER SUBD ENG & INSP	6,800.02	6,352.70
PLAN 227 P053	6683.002	Water Treatment Plant 4	0.00	0.00
3900 227 2055	3353.073	WATERSEDGE PUD	3,899.00	0.00
PLAN 227 P105	757.007	WCC Building Envelope Inspection/Re-Caulking	0.00	0.00
PLAN 227 P072	757.007	WCC Carpet Replacement	0.00	0.00
PLAN 227 P116	757.007	WCC Crossw alk Roof Replacement	0.00	0.00
PLAN 227 P104	757.007	WCC Equipment Generator Tie-In	0.00	0.00
PLAN 227 P002	757.007	WCC Fire Panel Replacement	0.00	0.00
PLAN 227 P178	757.007	WCC Fire Pump Replacement	0.00	0.00
3920 227 7916	757.007	WCC SECURITY IMPROVEMENTS	20.00	0.00
PLAN 227 P110	757.007	WCC Telephone System Upgrade Succession 3.0	0.00	0.00
PLAN 227 P050	757.007	WCC Won Door Motor Replacement	0.00	0.00
PLAN 227 P180	757.007	WCC-Replace Make up Air Handler	0.00	0.00
3960 227 7199	2056.002	WDCS/SCADA	5,000.00	1,131.59
3750 227 7215	2006.003	WEST BULL CREEK P.S. UPGRADES	128.30	108.20
PLAN 227 P089	4800.028	West Campus System Improvements	0.00	0.00
PLAN 227 P143	3212.092	Westgate fm Cameron Lp to Cohaba	0.00	0.00
PLAN 227 P165	4800.001	Westlake/West Rim Water System Improvements	0.00	0.00
3960 227 2023	3353.028	WILD HORSE RANCH WATER REIMBUR	14,500.00	0.00
4220 227 7832	5267.006	WRI CENTRAL PH I-B RMMA RES EN	875.35	704.78
3960 227 6010	6940.004	WRI CNTRL PH 1C-ELEV&HYDRO TNK	4,150.00	0.00
3920 227 7836	6942.001	WRI- S PH 1A-SLEEVE UNDER SH	450.00	0.00
3960 227 6014	6940.005	WRI-CENTRAL PH 1D-51ST TM	850.00	0.00
3960 227 6013	6940.001	WRI-CENTRAL PH3A-RED RV TO UT	250.00	0.00
PLAN 227 P045	757.008	WSC Bird Netting	0.00	0.00
PLAN 227 P068	757.008	WSC PBX Phone System	0.00	0.00
PLAN 227 P009	757.008	WSC Security Improvements	0.00	0.00
PLAN 227 P066	757.008	WSC Window Replacement	0.00	0.00
PLAN 227 P069	757.007	WSC Window Replacement	0.00	0.00
3840 227 0951	6683.002	WTP #4 WATER TREATMENT PLANT	127,799.85	48,311.06
3920 227 7058	4953.003	WTR QUALTY PROTECTION LAND IMP	83.40	24.42
3920 227 6705	4800.004	WTR SYS IMPS TO MEET MIN STDS	108.44	54.85
3960 227 7447	3212.068	YAGER LN AT IH35-WATER RELOCTN	345.00	208.96
3960 227 2045	3353.062	ZACHRY SCOTT TRCT WTR SER#2259	3,428.00	0.94
Agency Total -- 227			**502,583.73**	**177,163.37**