

UTILITY PROFILE

The following is a brief summary of the City of Bastrop's Utility Profile. A detailed summary may be found in Appendix A.

Population and Customer Data

The City of Bastrop's Water and Wastewater Department manages a water distribution service area over 10 square miles in area and serves a population of approximately 8,700 people. The City provides drinking water to its customers through a network of approximately 66 miles of transmission and distribution lines and 2,747 connections.

The official U.S. Census population count for the City in 2000 was 5,340, an increase of 32 percent from the 1990 Census. Population projections for Bastrop, based on the number of connections over the last five years, forecasts the City's population to reach 9,094 in 2010 and 10,425 in 2020 slightly higher than what is projected by the Texas Water Development Board. In comparison, the City's water consumption peak day demand is expected to increase to almost 2.4 MGD in 2010 and over 2.7 MGD in 2020.

Water Use Data

Table 1 below summarizes key water use statistics for 2004 – 2009. Average per person usage is given in gallons per capita per day (gpcd). Average and peak daily water demand is given in million gallons per day (MGD). The peak day to average day ratio varies between 1.54 and 1.97, meaning that peak day demand is not quite twice the average demand.

The peak demand for the City is 2.278 MGD, reached in the 2008 – 2009 fiscal year. During high demand periods when large volumes of water are being pumped from the aquifer, the production capacity of the wells is reduced due to declining water levels of the aquifer. The City's water production and pumping system capacity is currently 2.6 MGD; however, there is a new water well coming on line in the summer of 2010 that will increase capacity to over 3.1 MGD.

Table 1: Municipal Water Demand 2004 – 2009

Fiscal Year	2004 – 2005	2005 – 2006	2006 – 2007	2007 – 2008	2008 – 2009
Peak GPCD	305	278	211	274	262
Annual Average GPCD	155	166	137	159	151
Peak Day (MGD)	2.268	2.152	1.703	2.271	2.278
Average Day (MGD)	1.150	1.287	1.106	1.323	1.311
Peaking Factor	1.97	1.67	1.54	1.72	1.74
Water Production Capacity*	1.9	1.9	2.6	2.6	2.6

*A new water well will be added in the summer of 2010 that will increase capacity by 0.576 MGD.

Water Production and Delivery System

The City utilizes ground water for its public water supply and has developed its own water production facilities. The City has five ground water wells located near the Colorado River which withdraw water from an alluvium of the Colorado River. A sixth well will be coming on line in the summer of 2010. The City's water distribution system includes three ground storage tanks, a stand pipe, and an elevated storage tank providing a total storage capacity of 2,475,000 gallons.

Wastewater Collection and Treatment System

Raw wastewater in Bastrop travels through a network of over 50 miles of wastewater collection lines and numerous lift stations to two wastewater treatment plants. The wastewater treatment plants serve a population of approximately 8,700 people with an average daily discharge between 0.650 and 0.700 MGD and a design capacity of 1.4 MGD.

CONSERVATION GOALS

The purpose of this water conservation plan is to reduce long-term demand on limited water resources by encouraging more efficient water use practices in Bastrop. Its primary goals are to reduce peak seasonal water demand and reduce the peaking factor on the water production and delivery system. Under the authority of the Water and Wastewater Department, the City will implement and enforce the conservation plan.

TCEQ rules require the City to have the capacity to meet escalating peak daily demands, which, as shown in Table 1 on the previous page, can be almost twice the average demand. Thus, reducing those peak demands will allow the City to defer expenditures for production facilities and provide for more efficient use of available water resources.

The City aims to reduce peak demand through two methods: 1) programs targeted at reducing peak per capita demand and 2) programs aimed at reducing the peaking factor. Table 2 outlines projected targets for reducing per capita demand and peaking factor. The State Water Conservation Implementation Task Force recommends that municipalities set goals of reducing per capita consumption by one percent each year. The goals proposed in this plan are structured based on this recommendation with the ultimate goal of reducing per capita consumption by 10 percent over the next 10 years.

Table 2: Municipal Per Capita Water Use Goals

Fiscal Year	2008 – 2009	2013 – 2014	2018 – 2019
Peak GPCD	262	249	236
Annual Average GPCD	151	151	151
Peaking Factor	1.74	1.65	1.56

In any system, water loss may occur due to leaks, line breaks, meter inaccuracies, theft, and other issues. The City monitors water production and water billing on a monthly basis and tracks system water loss on a percentage basis.

Over the last five years the City's water loss has varied between 15 and 22 percent. At a minimum the City's goal for unaccounted-for water use is to not exceed 15 percent and to continue to investigate ways to improve water accountability and reduce unaccounted-for water to an ultimate goal of 10 percent or less.

The goals outlined above are designed to be achieved within 5 to 10 years of the date of adoption of this plan. The City will periodically evaluate the plan in accordance with state and federal regulations to determine the extent, if any, that the plan needs modification.

STRATEGIES TO ACHIEVE CONSERVATION GOALS

Water Rate Structure

The City utilizes an inclining water rate structure to encourage customers to reduce both peak and overall water usage, while fairly allocating cost of service to each customer class. Under an inclining rate structure, the rate per thousand increases as the amount of water used increases. The current rate structure charges a minimum monthly service charge based on meter size plus a fee based on consumption. The following is the current water rate structure:

Residential & Commercial (within City Limits)

<u>Meter Size</u>	<u>Minimum Charge</u>
3/4"	\$19.89
1"	\$33.81
1-1/2"	\$57.02
2"	\$84.86
3"	\$125.97
4"	\$182.99
6"	\$474.71

Plus the following consumption charges

0 – 3,000 gallons	\$2.04 per 1,000 gallons
3,001 – 5,000 gallons	\$2.18 “
5,001 – 10,000 gallons	\$2.31 “
10,001 – 20,000 gallons	\$2.44 “
20,001 – 50,000 gallons	\$2.64 “
Over 50,000 gallons	\$2.77 “

Residential & Commercial (outside City Limits)

<u>Meter Size</u>	<u>Minimum Charge</u>
¾"	\$29.84
1"	\$50.72
1-1/2"	\$85.53
2"	\$127.30
3"	\$238.68
4"	\$363.99
6"	\$712.06

Plus the following consumption charges

0 – 3,000 gallons	\$2.97 per 1,000 gallons
3,001 – 5,000 gallons	\$3.17 "
5,001 – 10,000 gallons	\$3.37 "
10,001 – 20,000 gallons	\$3.57 "
20,001 – 50,000 gallons	\$3.87 "
Over 50,000 gallons	\$4.07 "

This rate structure will be reviewed on a regular basis to ensure that the rates adequately recover cost of service and meet the goals of the plan.

Wastewater Reuse

The goal for the City's water reuse program is to reduce peak demand on the potable (drinking) water system by switching non-potable uses of water to reuse water. As part of its program, the City uses treated wastewater effluent for washdown at the treatment plant and for chlorination. The average amount of water reused each month is 1,728,000 gallons.

Water Loss Control Measures

The goal of the City's water loss control program is to not exceed 15 percent and to ultimately reduce unaccounted-for water to a level of 10% or below. Unaccounted-for water includes unbilled authorized usage and unbilled unauthorized usage. Unbilled authorized usage includes water used for fighting fires, flushing lines, etc. Unbilled unauthorized usage includes water lost to leaks, theft, etc. In some cases, the age of some of the distribution lines may be contributing to both the unbilled authorized and unauthorized usages. Due to their age, these lines are typically scheduled for more frequent flushing; and because of their age, these lines generally have a higher probability of leaking. However, in order to meet the goals set forth, the City has several programs in place, including routine water audits, a program of leak detection and repair, and meter testing and accuracy.

The Water and Wastewater Department generates a monthly water loss report that compares metered production with metered consumption, as well as accounted-for and unaccounted-for losses. This report provides an effective tracking system of water loss. The City will also complete a detailed water system audit following Texas Water Development Board (TWDB) guidelines at least once each year. TWDB rules only require this audit to be submitted once every five years. The water system audit determines the volume of actual water loss, the identification of water loss sources, the status and condition of primary water meters, an analysis of water line breaks, an evaluation of underground leakage potential, and provides recommendations for meter replacement.

Leak Detection and Repair

The City administers leak detection and repair programs for its water distribution system. Each year, the City tests one-fourth of its water system and repairs any leaks as they are found. Thus, the entire water system is tested every four years. Additionally, the City has a program that features a work order prioritization system for leaks needing repair and an inventory of equipment and materials needed to promptly repair all detected or reported leaks. The City also has a rehabilitation program to upgrade its aging water distribution system and address high volume leak areas. This program is based on findings in monthly water loss reports and the leak detection programs described above.

Universal Metering

The ability to meter all water distribution and consumption uses allows the city to closely monitor actual water use, water losses, and prevent unauthorized use. All service connections in the City are metered. All production wells, pumping stations, interconnections, irrigation, swimming pools, parks, and municipal structures operated by the City are also metered. Within two years, the City is planning on upgrading its entire meter system to electronic metering for higher accuracy.

Meters at water production pump stations are calibrated and tested annually in accordance with American Water Works Association (AWWA) standards to provide a minimum accuracy of plus or minus five percent (5%).

The City will continue to provide a preventive maintenance program for its water meters, wherein regular scheduled testing, repairs, and replacement are performed in accordance with American Water Works Association (AWWA) standards.

Records Management System

The City administers a comprehensive record management system that accounts for water use characteristics throughout the water system and allows for the separation of aggregate water sales and water usage characteristics into customer-specific categories. The system is configured to provide the following water use information:

- Water production

- Water sales
- Water consumption
- Water losses

Public Education Program

The city public education program makes thousands of contacts, both direct and indirect, every year through presentations, community fairs, plant tours, utility bill inserts, newspaper and radio ads, and the City's website. The City promotes water conservation issues by informing the public in the following ways:

- Making water conservation information available to new customers
- Making residential water audits available to all customers
- Providing water conservation information to all customers upon request and through the City's website
- Coordinating educational presentations, lectures, and demonstrations for schools, civic groups, and the general public
- Providing exhibits at public events held throughout the year
- Publishing water conservation information on a regular basis in the City's utility bill insert or other written form
- Providing book covers with a water conservation message for Bastrop ISD students
- Participating in community environmental education activities with local organizations to promote water conservation education
- Supporting annual events and demonstrations relating to water conservation and environmental issues that affect water supply and quality
- Selling ECO Kits to customers

Wholesale Water Supply Contracts

The City will, as part of contracts for sale of water to any other entity re-selling water, require that entity to adopt applicable provisions of the City's water conservation plan or have a plan in effect previously adopted and meeting the basic requirements of 30 TAC §288. These provisions will be through contractual agreement prior to the sale of any water to the water re-seller.

Plumbing Code and Retrofit Program

The City has adopted the International Plumbing code, which requires the use of water saving, Ultra-Low Flow (ULF) fixtures to be installed in new construction and in the replacement of plumbing in existing structures.

The City educates the residents, plumbers, and contractors on the benefits of retrofitting existing facilities with water saving devices through its public education program. In addition, the City is evaluating the feasibility and cost

effectiveness of implementing an Ultra-Low Flow (ULF) rebate program or similar incentive program that would offer cash rebates or other incentives to water customers that replace old toilets, showerheads, and other fixtures with new ULF models.

Landscape Water Management

The City provides information about the methods and benefits of water conserving landscaping practices and devices through public education to homeowners, business owners, landscape architects and designers, and irrigation professionals. The following methods are encouraged:

- The use of Xeriscape™ and “Water Wise” landscaping techniques, including drought tolerant plants and grasses for landscaping new homes and commercial areas
- The use of drip irrigation systems when possible or other water conserving irrigation systems that utilize efficient sprinklers and considerations given to prevailing winds.
- Making sure that ornamental fountains and similar water features are designed to recycle water and use minimal amounts of water
- Working with area landscape supply businesses and nurseries to encourage them to sell locally adapted, drought tolerant plants and grasses along with efficient irrigation systems, and to promote use of the materials through demonstrations and advertisements

Performance Measures and Reporting

The City will compile an annual report on the Water Conservation Plan, to include the following:

- Summary of public information issued in the previous year
- Report on meter testing program
- Summary of water loss control program
- Effectiveness of Water Conservation Plan in reducing peak and overall water consumption
- Per capita water consumption for the previous calendar year
- Implementation progress and status of plan

Coordination

Recognizing that each city has similar water systems and customer bases and similar needs for water conservation, the City of Bastrop will provide copies of the water conservation plan to the Texas Water Development Board Lower Colorado Regional Water Planning Group (Region K).

APPENDIX A
UTILITY PROFILE

UTILITY PROFILE

L. Population and Customer Data

A. Population and Service Area Data

1. Attached is a copy of the service-area map and Certificate of Convenience and Necessity (CCN).
2. Service area size (square miles): 10.31 sq. mi.
3. Current population of service area: 8,700 (estimated)
4. Current population served:
Water: 8,700
Wastewater: ~~8,700~~ 8,204
5. Population served by water utility for the previous five years:
6. Projected population for service area in the following decades:

<u>Year</u>	<u>Population</u>	<u>Year</u>	<u>Population</u>
2005	7443	<u>2010</u>	9,094
2006	7753	<u>2020</u>	10,425
2007	8053	<u>2030</u>	12,180
2008	8300	<u>2040</u>	13,926
2009	8694	<u>2050</u>	15,663

7. Future population estimates were based on the number of connections over the previous five years and projecting out the number of future connections. It was assumed there were an average of three persons per connection. It should be noted these projections are slightly higher than those of the Texas Water Development Board (see attached).

B. Active Connections

1. Current number of active connections. Check whether multi-family service is counted as Residential or Commercial

<u>Treated water users:</u>	<u>Metered</u>	<u>Not-metered</u>	<u>Total</u>
Residential	2184	0	2184
Commercial	563	0	563

2. List the net number of new connections per year for most recent three years:

Year	2007	2008	2009
Residential	88	-3	22
Commercial	-36	17	24

C. High Volume Customers

List annual water use for the five highest volume customers (*indicate if treated or raw water delivery*).

Customer	Use (1,000gal./yr.)	Treated/Raw Water
(1) Texas Parks & Wildlife	8,125.0	Treated
(2) Bastrop Country Law Center	6,511.0	Treated
(3) Lakeside Hospital	4,951.5	Treated
(4) Arbors Apartments	4,562.5	Treated
(5) Pine Point Apartments	3,090.6	Treated

II. Water Use Data For Service Area

A. Water Accounting Data

1. Amount of water use for previous five years (in 1,000 gal.):

Please indicate: Diverted Water 0

Treated Water 2,158,806

Month	2008	2007	2006	2005	2004
January	30,742	31,486	33,560	25,224	29,771
February	29,352	29,465	22,601	22,601	27,870
March	31,220	34,196	32,402	23,803	30,552
April	34,786	30,217	35,772	29,251	31,654
May	45,939	34,135	39,489	31,535	35,481
June	59,547	34,213	42,639	42,608	31,674
July	53,271	32,595	43,839	43,724	38,728
August	49,061	38,294	54,734	46,492	38,534
September	47,032	37,541	47,544	48,299	37,470
October	42,509	39,475	40,026	37,010	28,917
November	35,986	32,891	35,303	33,425	25,550
December	32,874	31,076	32,831	32,001	28,079
Total	492,229	405,584	460,740	415,973	384,280

The figures on the previous page were determined from a master meter located at the system entry point from the water plant.

2. Amount of water (in 1,000 gallons) delivered (sold) as recorded by the following account types for the past five years.

<u>Year</u>	<u>Residential</u>	<u>Commercial</u>	<u>Total Sold</u>
2008	228,974	196,770	425,744
2007	158,873	153,258	312,131
2006	205,654	183,912	389,566
2005	180,320	169,749	350,069
2004	156,408	158,299	314,708

3. List previous five years records for water loss (the difference between water diverted (or treated) and water delivered (or sold))

<u>Year</u>	<u>Amount (in 1,000gal.)</u>	<u>% Loss</u>
2008	66,485	13.5
2007	93,453	23.0
2006	71,174	15.4
2005	65,904	15.8
2004	69,572	18.1

4. Municipal water use for previous five years:

<u>Year</u>	<u>Population</u>	<u>Total Water Diverted or Pumped for Treatment (1,000 gal.)</u>
2008	8694	492,229
2007	8300	405,584
2006	8053	460,740
2005	7753	415,973
2004	7443	384,280

B. Projected Water Demands

Population projection and existing water use can be used to determine the projected future water demand for the next 10 years. In 2008, the estimated population was 8,694 persons; and in 2018, the estimated population is predicted to be 10,073 persons. Based on the 2008 demand of 151 gallons per person per day, the projected water demand in 2018 will be 555 million gallons per year.

III. Water Supply System Data

A. Water Supply Sources

List all current water supply sources and the amounts authorized with each:

	Source	Amount Authorized
Surface Water:	N/A	N/A
Groundwater:	Alluvium from Colorado River	5,455 acre-feet
Contracts:	N/A	N/A
Other:	N/A	N/A

B. Treatment and Distribution System

1. Design daily capacity of system: 2.6 MGD
2. Storage Capacity: Elevated: 1.250 MGD Ground: 1.225 MGD
Total: 2.475 MGD
3. If surface water, do you recycle filter backwash to the head of the plant? N/A
4. See the attached water system layout. Included are the number of treatment plants, wells, and storage tanks and a sketch of the system layout.

IV. WASTEWATER SYSTEM DATA

A. Wastewater System Data

1. Design capacity of wastewater treatment plant(s): 1.4 MGD
2. Is treated effluent used for irrigation on-site No, off-site No, plant washdown Yes, or chlorination/dechlorination Yes?
If yes, approximately 1,728,000 gallons per month.
3. See the attached wastewater system layout. The system discharges into the Colorado River and is permitted under TCEQ Permit Number WQ001 1076-001. The owner of the plant is the City of Bastrop and it is operated by the City of Bastrop Water and Wastewater Department.

5% septic tanks

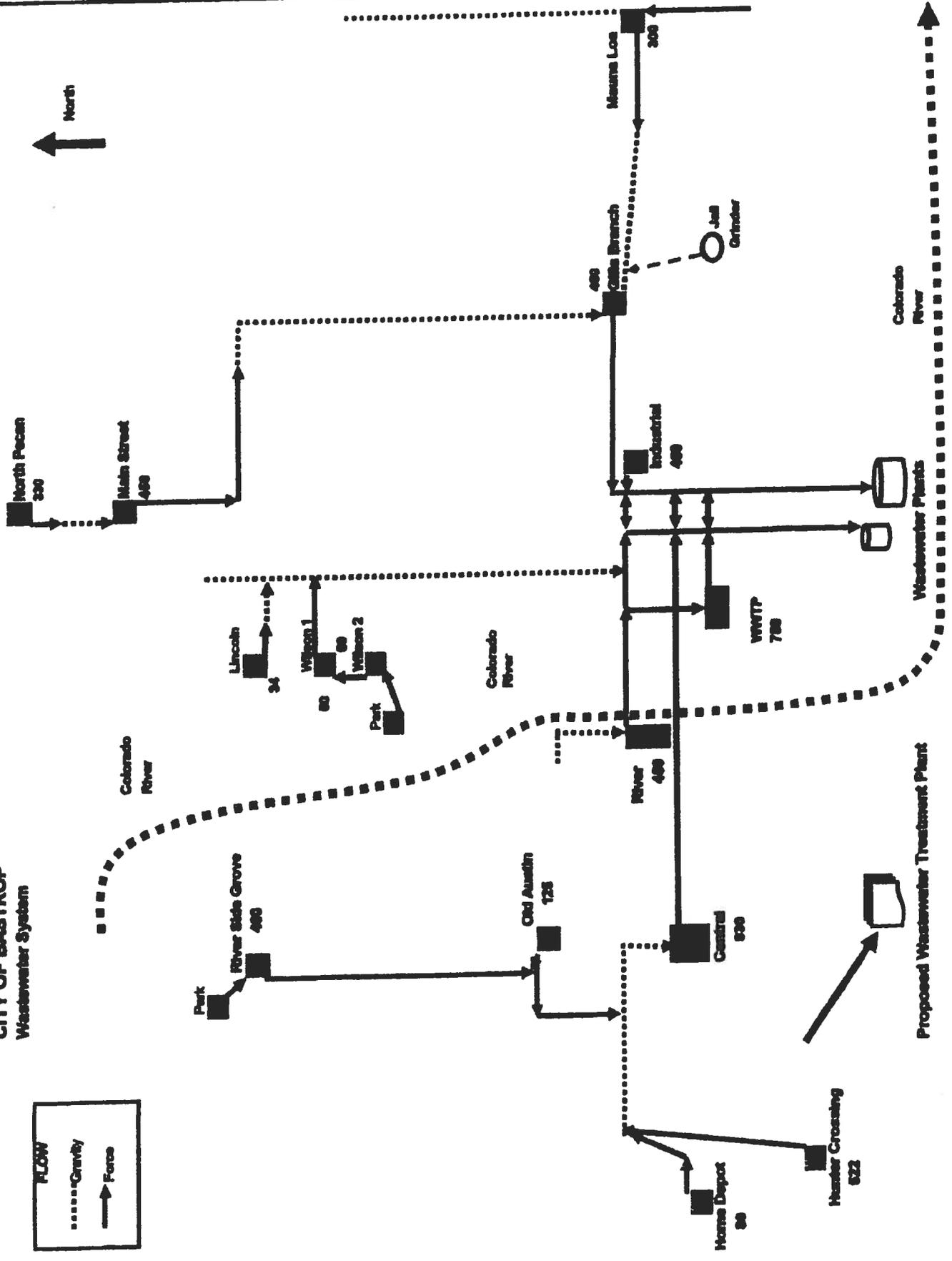
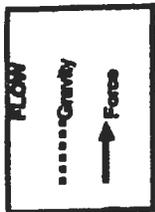
B. Wastewater Data for Service Area

1. Percent of water service area served by wastewater system: +00% 95%

2. Monthly volume treated for previous three years (in 1,000 gallons):

<u>Month</u>	<u>2008</u>	<u>2007</u>	<u>2006</u>
January	19,778	22,901	20,613
February	18,908	16,783	18,769
March	21,514	26,397	21,742
April	20,430	21,087	21,138
May	21,240	22,661	21,715
June	20,040	23,730	28,667
July	19,995	26,102	19,831
August	20,863	23,095	18,000
September	20,580	21,090	18,283
October	20,429	20,057	19,809
November	19,820	20,430	17,256
<u>December</u>	<u>20,367</u>	<u>20,646</u>	<u>19,883</u>
Total	243,964	264,979	245,706

CITY OF BASTROP Wastewater System



**CITY OF BASTROP
TREATMENT AND DISTRIBUTION SYSTEM**

gpm

<u>Well</u>	<u>Installed</u>	<u>GOOD</u>	<u>DOWN</u>	<u>High Service</u>	<u>Full</u>	<u>Tanks</u>	<u>Gallons</u>	<u>Ground</u>	<u>Elevated</u>
C	500	550	850	1	400	1	500,000	500,000	
F	1200	700	700	2	500	2	500,000	500,000	
D	700	480	150	3	750	3	250,000		250,000
E	700	550	150	4	800	SP	1,000,000		1,000,000
G	600	600	600	5	800	ET	225,000		225,000
gpm	3,700	2,880	2,150		3,250				2,850
MGD	5.328	4.1472	3.096		4.68		2,475,000	1,000,000	1,475,000

Texas Water Development Board
2006 Regional Water Plan
City Population Projections for 2000 - 2060

CITY NAME	P2000 Census	P2010	P2020	P2030	P2040	P2050	P2060
ABERNATHY	2,839	3,105	3,329	3,480	3,554	3,585	3,494
ABILENE	115,928	124,607	130,220	132,820	133,514	130,943	128,835
ADDISON	14,168	17,919	20,534	22,358	23,829	24,515	25,133
AGUA DULCE	737	737	737	737	737	737	737
ALAMO	14,760	20,915	28,107	38,183	44,880	54,400	64,188
ALAMO HEIGHTS	7,319	7,671	8,039	8,148	8,239	8,331	8,423
ALBANY	1,921	2,011	2,118	2,098	1,982	1,744	1,484
ALEDO	1,728	2,612	3,473	4,428	5,284	6,165	7,162
ALICE	19,010	20,512	21,899	22,792	23,181	23,017	22,524
ALLEN	43,554	88,000	101,847	119,848	125,817	128,145	129,215
ALPINE	5,786	6,320	6,742	6,929	7,055	7,398	7,474
ALTO	1,190	1,290	1,404	1,502	1,592	1,681	1,788
ALTON	4,384	12,342	15,513	19,064	22,907	27,104	31,411
ALVARADO	3,288	3,595	3,957	4,337	4,752	5,287	5,899
ALVIN	21,413	23,231	25,123	26,935	28,605	30,375	32,223
ALVORD	1,007	1,167	1,280	1,399	1,517	1,651	1,808
AMARILLO	173,827	188,004	203,497	217,987	234,486	252,493	267,324
AMES	1,079	1,140	1,207	1,271	1,334	1,403	1,480
AMHERST	791	834	887	933	988	963	950
ANAHUAC	2,210	2,405	2,623	2,825	3,000	3,178	3,380
ANDREWS	9,652	10,519	11,247	11,754	12,232	12,453	12,701
ANGLETON	18,130	18,951	19,805	20,623	21,377	22,178	23,010
ANNA	1,225	6,720	12,000	18,000	24,000	32,000	50,000
ANNETTA	1,108	1,579	1,972	2,289	2,584	2,858	3,178
ANNETTA SOUTH	555	708	838	939	1,028	1,123	1,227
ANSON	2,556	2,608	2,672	2,688	2,627	2,550	2,451
ANTHONY	3,850	4,688	5,422	6,158	6,789	7,422	8,055
ANTON	1,200	1,291	1,347	1,380	1,381	1,327	1,282
ARANSAS PASS	8,138	9,851	11,683	13,337	14,792	16,101	17,304
ARCHER CITY	1,848	2,022	2,200	2,345	2,390	2,307	2,223
ARCOLA	1,048	2,500	2,750	3,025	3,328	3,661	4,028
ARGYLE	2,365	7,081	11,935	14,983	16,550	16,282	20,000
ARLINGTON	332,989	390,000	453,658	485,000	500,000	510,000	515,000
ARP	901	965	1,013	1,081	1,109	1,189	1,295
ASHERTON	1,342	1,440	1,538	1,598	1,602	1,587	1,490
ASPERMONT	1,021	1,017	985	937	877	823	771
ATHENS	11,297	13,588	16,343	19,657	23,843	28,438	34,204
ATLANTA	5,745	5,849	6,085	6,322	6,557	6,557	6,557
AUBREY	1,500	3,300	5,375	8,755	11,787	15,814	21,252
AURORA	853	1,098	1,295	1,489	1,680	1,898	2,147
AUSTIN	656,582	791,016	977,749	1,155,004	1,314,890	1,480,590	1,634,578
AZLE	9,600	12,108	16,795	23,473	31,060	38,882	45,362
BAILEY'S PRAIRIE	694	744	795	844	889	938	986
BAIRD	1,623	1,623	1,623	1,623	1,623	1,623	1,623
BALCH SPRINGS	19,375	21,083	22,584	23,849	24,963	25,930	26,788
BALCONES HEIGHTS	3,016	3,327	3,670	3,909	4,154	4,414	4,674
BALLINGER	4,243	4,379	4,671	5,243	5,654	5,974	6,274
BALMORHEA	527	627	730	815	885	949	1,000
BANDERA	957	1,058	1,179	1,307	1,411	1,499	1,586
BANGS	1,620	1,691	1,748	1,781	1,761	1,761	1,761
BARDWELL	583	838	1,075	1,308	1,548	1,813	2,107
BARTLETT	1,675	1,825	1,947	2,070	2,172	2,282	2,349
BARTONVILLE	1,093	5,000	10,000	14,000	18,500	17,500	18,000
BASTROP	5,340	6,515	7,994	9,734	11,708	14,208	17,337
BAY CITY	18,687	19,921	21,292	22,128	22,588	22,521	22,318
BAYOU VISTA	1,644	1,616	1,984	2,052	2,088	2,114	2,131
BAYTOWN	66,430	68,772	71,106	73,380	75,581	77,775	79,971
BEACH CITY	1,845	2,358	3,153	3,892	4,532	5,182	5,848
BEASLEY	590	701	815	955	1,099	1,288	1,504
BEAUMONT	113,866	113,866	113,866	113,866	113,866	113,866	113,866
BECKVILLE	752	790	806	820	831	840	848
BEDFORD	47,152	50,001	52,395	54,407	56,098	57,519	58,713
BEE CAVE VILLAGE	658	948	1,339	1,700	1,928	2,165	2,411

City of Bastrop
 Water Service Area
 CCN No. 11186
 Application No. 34651-S (Portion Transferred
 from Aquas WSC, CCN 10294)
 Bastrop County



Water CCN Service Areas
 11186 - CITY OF BASTROP
 10294 - AQUA WSC
 10690 - BASTROP COUNTY WCID 2
 Water "Facilities Only" CCN Service Area
 10294 - AQUA WSC

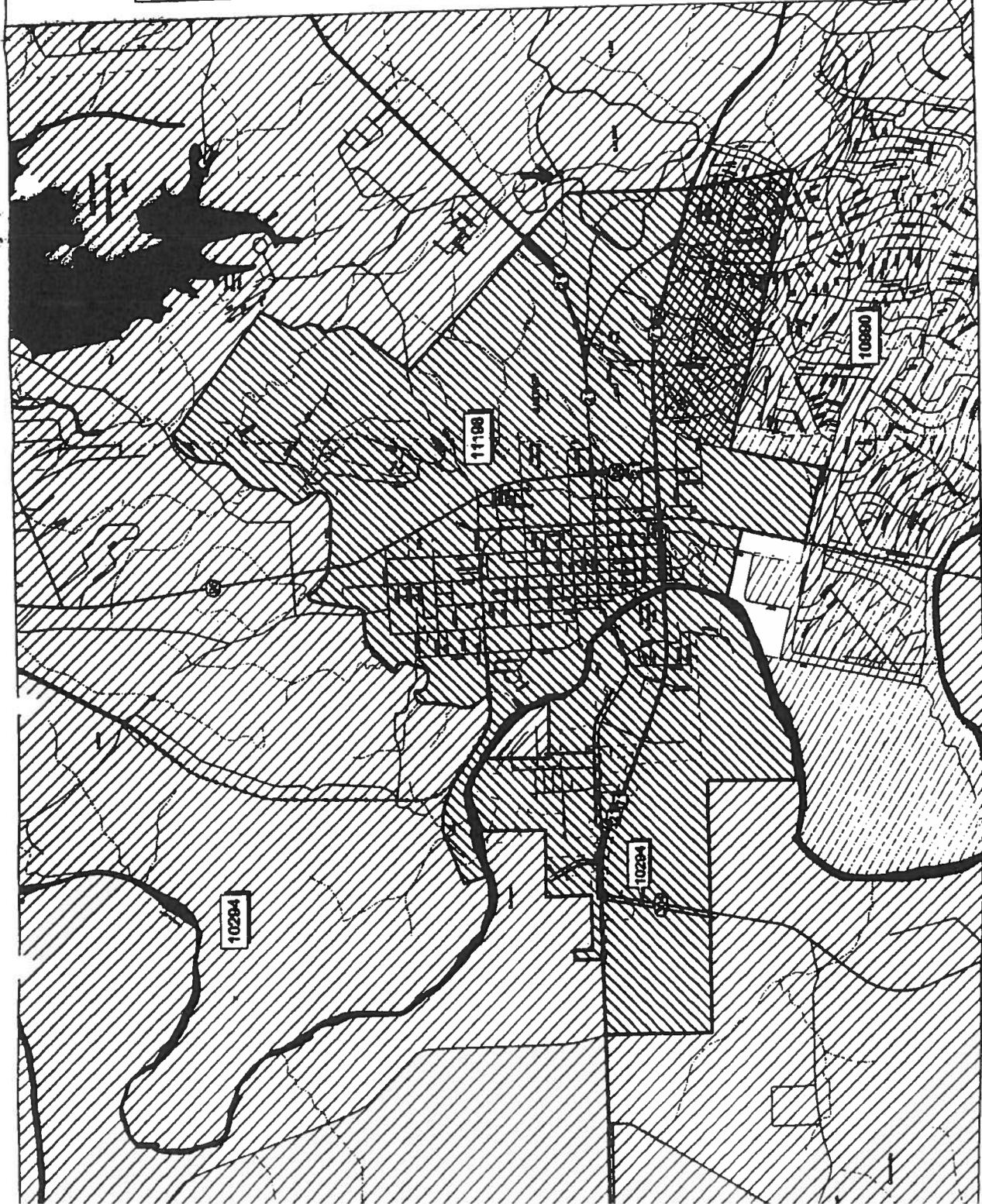
Notes: CCN Areas "Facilities Only"
 and "Water Only" are shown in
 Red in TCRD Planning Districts.



1 inch = 300 feet
 OCT 23 2010
 STATE OF TEXAS
 COUNTY OF BASTROP
 WATER SERVICE AREA
 CITY OF BASTROP
 WATER SERVICE AREA
 APPLICATION NO. 34651-S
 (PORTION TRANSFERRED FROM
 AQUAS WSC, CCN 10294)
 CITY OF BASTROP
 WATER SERVICE AREA
 CCN NO. 11186



Map by G. Jester, 10/23/10
 Data from: tcrd.com/arcgis/rest/services/TCRD_Planning_Districts
 Project path: E:\geographic\TCRD\



APPENDIX B
CITY ORDINANCE

ORDINANCE NO. 2010- 8

AN ORDINANCE OF THE CITY OF BASTROP, TEXAS ADOPTING A WATER CONSERVATION PLAN IN ACCORD WITH TEXAS COMMISSION ON ENVIRONMENTAL QUALITY REGULATIONS; PROVIDING SEVERABILITY AND AN EFFECTIVE DATE.

WHEREAS, the City of Bastrop, Texas recognizes that the amount of water available to the City and its water utility customers is limited and subject to depletion during periods of extended drought; and

WHEREAS, the City recognizes that natural limitations due to drought conditions and other acts of God cannot guarantee an uninterrupted water supply for all purposes; and

WHEREAS, Section 288.2 of the Texas Administrative Code sets forth Texas Commission on Environmental Quality guidelines and requirements governing the development of water conservation plans for public water suppliers; and

WHEREAS, in accord with Section 288.2 of the Texas Administrative Code the City has devised a strategy or combination of strategies for reducing the volume of water withdrawn from its water supply source, for maintaining and improving the efficiency in the use of water, for increasing the recycling and reuse of water, and for preventing the pollution of water; and

WHEREAS, as authorized under law, and in the best interests of the citizens of Bastrop, Texas, the City Council adopts the attached Water Conservation Plan, dated March 2010.

NOW THEREFORE, BE IT ORDAINED BY THE CITY OF BASTROP TEXAS:

PART 1.

That the City of Bastrop Texas Water Conservation Plan attached hereto as Exhibit "A" and made part hereof for all purposes be, and the same is hereby, adopted as the official policy of the City. In addition to filing with the Texas Commission on Environmental Quality, a copy of this Water Conservation Plan shall be maintained in the City's files and placed on the City website in order that the public may have ready access to the Plan.

PART 2.

That all ordinances that are in conflict with the provisions of this ordinance be, and the same are hereby, repealed and all other ordinances of the City not in conflict with the provisions of this ordinance shall remain in full force and effect.

PART 3.

Should any paragraph, sentence, subdivision, clause, phrase, or section of this ordinance be adjudged or held to be unconstitutional, illegal or invalid, the same shall not affect the validity of this ordinance as a whole or any part or provision thereof, other than the part so declared to be invalid, illegal or unconstitutional.

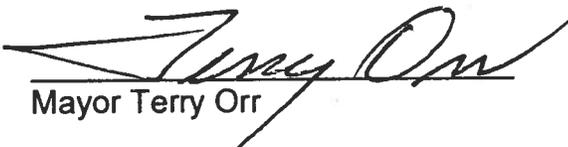
PART 4.

This Ordinance shall take effect upon the date of final passage noted below, or when all applicable hearing and publication requirements, if any, are satisfied in accordance with the City's Charter, Code of Ordinances, and the laws of State of Texas.

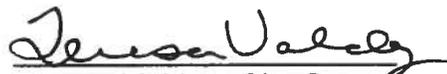
READ and ACKNOWLEDGED on the first reading on the 27th day of April 2010.

PASSED AND APPROVED on the second reading on the 11th day of May 2010.

APPROVED:


Mayor Terry Orr

ATTEST:


Teresa Valdez, City Secretary

APPROVED AS TO FORM:

Jo-Christy Brown
City Attorney

APPENDIX C
TRANSMITTAL LETTER
TO TWDB REGION K