CITY OF PFLUGERVILLE
WATER CONSERVATION PLAN
MAY 24, 2016

1.0 Introduction

The City of Pflugerville (the "City") has developed this Water Conservation Plan (the "Plan") for its wholesale and retail treated water utility systems to effectively manage public water resources and to plan appropriate responses to emergency and drought conditions. The Plan recognizes that conservation is a valuable tool in managing water and wastewater utility systems. Benefits of water conservation include: extending available water supplies; reducing the risk of shortage during periods of extreme drought; reducing water and wastewater utility operating costs; improving the reliability and quality of water utility service; reducing customer costs for water service; reducing wastewater flows; improving the performance of wastewater treatment systems; and enhancing water quality and the environment.

This Plan applies to all of the City of Pflugerville's retail and wholesale treated water customers. This plan was adopted on September 10, 2002, last amended on April 12, 2011, updated on this date of May 24, 2016 and will be updated at least every five years to account for changes in water usage due to water supply issues and/or growth in the customer base.

2.0 Authorization, Implementation and Enforcement

The City Manager, or his/her designee, of the City of Pflugerville is hereby authorized and directed to implement the applicable provisions of this Plan. The City Manager, or his/her designee, will act as Administrator of the Water Conservation Program. He/she will oversee the execution and implementation of the program and will be responsible for keeping adequate records for program verification.

This Amended Plan was presented to the Pflugerville City Council for approval on May 24, 2016. This Amended Plan will be enforced by the following methods:

a. City Council adopting this plan by resolution. The resolution adopting this plan is included as Exhibit F.

b. The water rate structure will be enforced; water service will be discontinued for any customers not paying the monthly bill; and

c. The building inspector will not certify new construction unless it meets adopted building and plumbing codes.

3.0 Utility Profile—Baseline Evaluation of Water and Wastewater Utility System and Customer Use

3.1 *Population and Service Area:* The City of Pflugerville currently bills 15,765 water service connections with a population is 47,472. The December 31, 2015 population for the City of Pflugerville is 56,319. The City experienced a population boom in the 1990's, growing from a population of 4,444 in 1990 to a population of 19,135 in 2000. Since 2000 growth has continued and projections show that the City's population will continue to grow, with the population

estimated to be at 64,912 by the year 2020. The water service area has grown as well. The City's current water CCN area is presented in Exhibit A.

3.2 *Water Produced and Treated by Pflugerville:* The City of Pflugerville's water system serves 15,765 connections with a population of 47,472 customers. Residential customers comprise nearly 96% of total connections and nearly 86% of total yearly consumption. The peak-to-average ratio of water use was 1.92. More detailed water and wastewater utility data is found in Exhibit C.

4.0 Water Conservation Plan Elements

4.1 *Water Conservation Goals.* **The City's goal is to reduce water use by 5% by 2021 and another 5% by 2026**. These percentages translate to daily use of 5.88 million gallons in 2021 and 5.59 million gallons by 2026, excluding population growth. On a per person basis the City estimates that the current user needs an average of 119 gallons of water per day. The City aims to reduce per user needs to 113 gallons per day by 2021. The City will measure its progress on reduction in water use by comparing the current daily per resident use to per resident use multiplied by the population each year. **Pflugerville's unaccounted for water is less than 10%. Their goal therefore is to maintain unaccounted for water at 10% or less.**

4.2 **Water Conservation Measures**

(1) *Universal Metering and Meter Replacement and Repair.* All utility customers will be metered. A regularly scheduled maintenance program of meter repair and replacement will be performed in accordance with the following schedule:

Production (master) meters:	Test once a year
Meters larger than 1":	Test once a year
Meters 1" or smaller:	Tested if reading is unusual or requested by home owner.

Zero consumption accounts: meters will be flow tested to see if water is actually being used and not recorded. In addition, the meters will be checked for proper sizing.

(2) *Distribution System Leak Detection and Repair.* The City's unaccounted-for-water loss is due to sections of the water distribution system being polybutylene pipe, which has a known history of leakage. The City has a year round leak detection and pipe replacement program in place to minimize this leakage.

(3) *Plumbing Retrofit Program.* State and federal laws require that homes built after 1992 have low-flow (less than 3 gallons per minute) showerheads, faucet aerators and ultra low flush (less than 1.6 gallons per flush) toilets installed. Most homes in Pflugerville were built after that time and would have the water efficient fixture. The City offers low-flow showerheads, faucet aerators, toilet leak detection dye tablets, and other conservation materials to our utility customers upon request.

(4) *Water Pricing Incentives.* The City charges a volumetric increasing block rate to all customers. A copy of the city's current rate structure is found in Exhibit B

(5) *Continuing education program on water conservation.*

a. As part of a continuing public education and information campaign based on this Plan, the city will:

i. Develop and provide water conservation brochures for water customers.

ii. Staff local events to provide water customers with water saving tip, low flow shower heads, faucet aerators and other water saving information.

iii. Implement an extensive landscape water management public information program.

iv. Assist wholesale water customers in their public education efforts.

v. Offers free irrigation evaluations to its water customers to help conserve water.

b. In the spring of 2001, the City implemented a pilot "Drop by Drop" landscape rebate program. The City offered rebates of between $50 and $500 to residential customers that installed approved plants in the landscape. This program has now been adopted as an ongoing water conservation program.

c. The City offers rain barrels to its citizens at reduced cost to encourage water conservation through rain water harvesting.

(6) *Coordination with Regional Planning Group.* The City of Pflugerville has sent a copy of this plan to the Lower Colorado Regional Water Planning Group for their review. A copy of the letter transmitting this plan to the Regional Water Planning Group is included as Exhibit E.

(7) *Wholesale Customers.* For every wholesale water supply contract entered into or renewed after official adoption of this water conservation plan, including any contract extensions, the wholesale water customer must develop and implement a water conservation plan or water conservation measures according the TCEQ guidelines. If the customer intends to resell the water, then the contract between the initial supplier and customer must provide that the contract for the resale of the water must have water conservation requirements so that each successive customer in the resale of the water will be required to implement water conservation measures in accordance with LCRA and TCEQ guidelines.

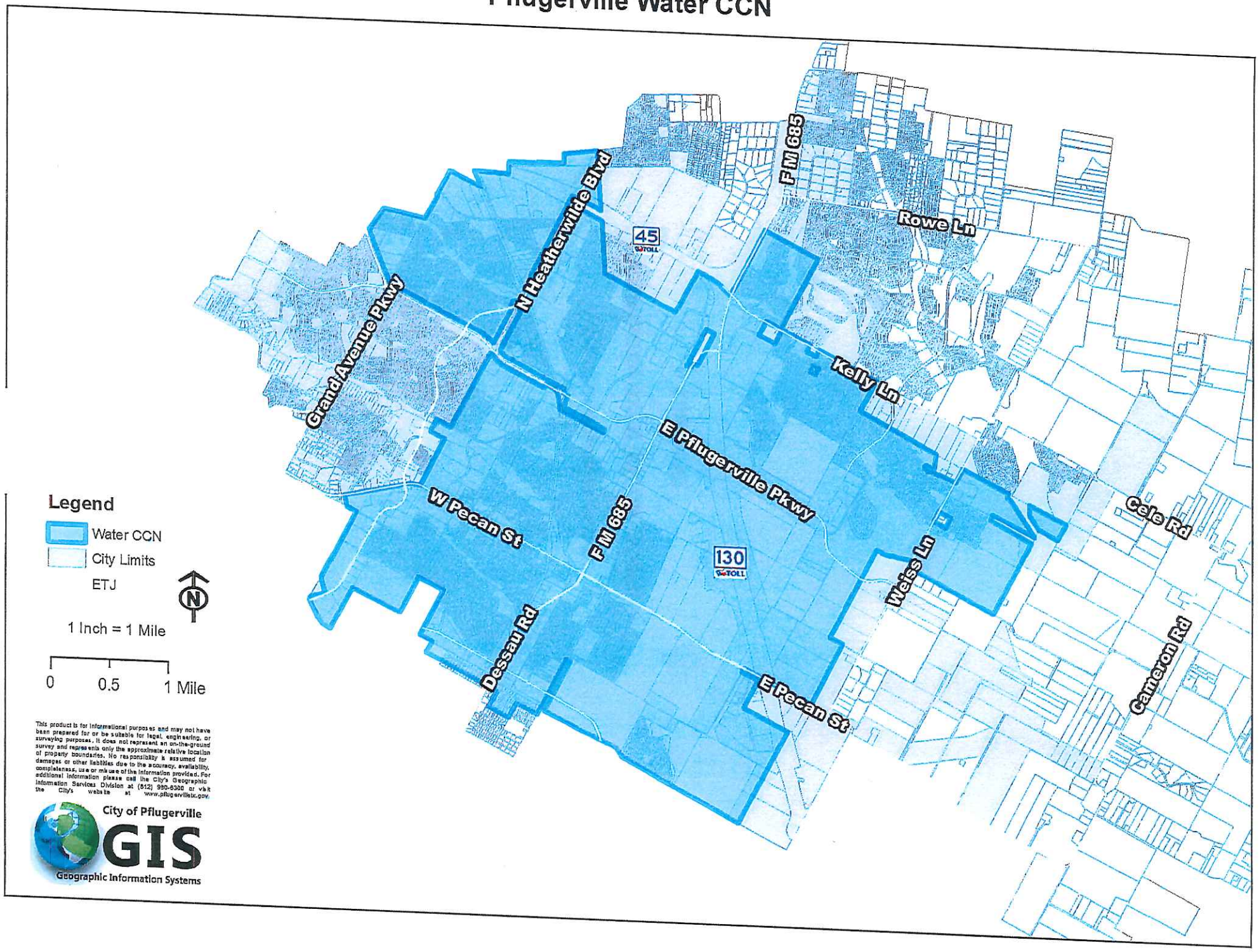
(8) *Measures to determine and control unaccounted-for uses of water and for universal metering of customer and public uses of water.* The City is using INCODE Utility Billing software meter reading reports. Monthly readings are done using Neptune drive-by units or hand-held devices and software. City staff conducts visual inspections to determine if the system is distributing to illegal connections or connections where service has been abandoned.

(9) *Other Conservation Strategies.* The city will also pursue adopting codes or ordinances that promote the use of water conserving technologies, promote water efficiency, or avoid water waste. In addition, the city provides recycled wastewater to Travis County in order to irrigate numerous soccer and baseball fields in the Travis County Northeast Metropolitan Park. A more detailed discussion of the City's water conservation goals is attached as Exhibit D.

EXHIBIT A

WATER CCN AREA MAP

Pflugerville Water CCN



City of Pflugerville
GIS
Geographic Information Systems

EXHIBIT B

CURRENT WATER RATE ORDINANCE

(As of September 23, 2014)

ORDINANCE NO. 1190-14-09-23

AN ORDINANCE OF THE CITY OF PFLUGERVILLE, TEXAS, AMENDING RATES, CHARGES AND FEES FOR WATER, WASTEWATER AND SOLID WASTE UTILITY SERVICE; REPEALING ALL ORDINANCES TO THE EXTENT THEY ARE IN CONFLICT; PROVIDING FOR SEVERABLITY; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City Council finds municipal water and wastewater rates should be amended to reflect recommendations as determined by the 2014 Water & Wastewater Cost of Service and Rate Design Study.

WHEREAS, the City Council finds the rates provided in this Ordinance should take effect October 1, 2014 and continue until modified by Ordinance, now

THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF PFLUGERVILLE, TEXAS:

Section 1. Retail Water Rates.

The City will charge every retail utility customer of the city water rates that include the Monthly Base Charge and the Volume Charge, set forth in (A) and (B) in this Section.

(A) The Monthly Base Charge is as follows:

Meter Size	Customer Costs
5/8"	$15.50
3/4"	$23.25
1"	$38.80
1 1/2"	$77.50
2"	$124.00
3"	$248.00
4"	$387.50
6"	$775.00
8"	$1,550.00

Rates for larger size meter subject to separate agreement with the city.

(B) The Volume Charge for all meter sizes is:

Gallons	Charge per 1,000 gallons
0 – 3,000	$3.40
3,001 – 10,000	$4.30
10,001 – 25,000	$5.40
25,001 +	$6.80

Section 2. Water Curtailment Rates

Reserved.

Section 3. Catastrophic Water Leaks.

In the event of a catastrophic water leak by a residential water customer the City may allow a credit to the customer's bill under the following circumstances. A minimum usage of 40,000 gallons more than the previous month's usage will make the customer eligible for consideration of a credit to the customer's account. The average of the past twelve months of usage will be used as a base for crediting 100% of the excess usage billed (amount of credit will be based on the highest rate per 1,000 gallons). The City would require the customer to submit a written request for a credit with a copy of the bill from a licensed plumber certifying that the leak has been repaired and a copy of a valid City of Pflugerville Building Permit for the repair. The request must detail location and dates of the leak. Customers who have been notified of a leak, but have not repaired it within 15 days of notification, will not qualify for the credit. Customers are eligible for only one credit per account location.

Section 4. Retail Wastewater Rates.

The City will charge every retail utility customer served by the City wastewater rates that include the Monthly Base Charge and the Volume Charge set for the in (A) and (B) in this section.

(A) The Monthly Base Charge is as follows;

(1) In-City Customers.

Water Meter Size	Monthly Base Charge
All Meter Sizes	$19.50

(2) Out-of-City Customers.

Water Meter Size	Monthly Base Charge
All Meter Sizes	24.50

(B) The Volume Charge for all meter sizes is $1.25 per 1,000 gallons.

(C) The quantity of wastewater used to calculate the Volume Charge for wastewater will be determined as follows:

(1) Residential Customers. Each March, the City will determine each customer's water usage during the preceding November, December, January and February and calculate the average of the 3 lowest water usage months during that period. The average will be used to calculate the customer's Volume Charges until the next March, when the average will be recalculated. For customers that do not receive water service from the City, the quantity of wastewater used to calculate the monthly bill will be determined by calculating the city average usage for residential customers during the preceding November, December, January and February.

(2) Non-Residential Customers. The City will determine each customer's water usage during the month and that amount will be used to calculate the customer's Volume Charges. For customers that do not receive water service from the City, the quantity of wastewater used to calculate the monthly bill will be determined by calculating the city average usage for residential customers during the preceding November, December, January and February.

Section 5. Wholesale Wastewater Rates

Wilke Lane Treatment Plant: The City will charge a rate of $26.50 per LUE per month to all wholesale customers served by the Wilke Lane wastewater treatment plant.

Section 6. Solid Waste Disposal Rates.

The City will charge each customer $15.60 for in-city residents and $17.60 for out-of-city residents, plus applicable taxes for removing residential refuse and for resource recovery services, as described in Chapter 52 of the City of Pflugerville, Texas Code of Ordinances.

Section 7. Special Charges.

The City will charge each of the following charges for service calls and delinquent bills:

(A) Connect initial utility service (not including tap or impact fees) - No Charge;

(B) Move existing customer's service from one location to another - $25.00;

(C) Disconnect service for Nonpayment of Bill - $25.00;

(D) Reinstate service that was disconnected for Nonpayment of Bill - $25.00; and

(E) Any customer account that is delinquent will incur a 10% per month penalty charge on all accrued and unpaid charges.

Section 8. Deposits.

Each customer must pay the deposit set forth in this Section, or replenish the deposit if the City draws upon it, when the customer initially applies for the service or when the customers applies to reinstate service that has been disconnected for nonpayment of a bill. The amount of the deposit is as follows:

Service	Deposit Amount
Solid Waste Only	$25.00
Wastewater Only	$50.00
Water Only	$125.00
Any Combination	$125.00
Construction/Fire Hydrant	$1,200.00

The customer's deposit will be returned in full if the customer's account has not been delinquent for 12 consecutive months. The customer's deposit will be returned, less any outstanding balance, within 30 days from the day the customer's account is closed. Construction/Fire Hydrant meter deposits will be returned, less any outstanding balance, upon receipt of meter.

A customer may enroll in the automatic draft program for a period of not less than one year, in lieu of placing a utility deposit.

Section 9. Severability.

If any provision of this Ordinance is illegal, invalid, or unenforceable under present or future laws, the remainder of this Ordinance will not be affected and, in lieu of each illegal, invalid, or unenforceable provision, a provision as similar in terms to the illegal, invalid, or unenforceable provision as is possible and is legal, valid, and enforceable will be added to this Ordinance.

Section 10. Conflicting Ordinances.

All prior ordinances of the City dealing with or applicable to this Ordinance are hereby amended to the extent of any conflict herewith, and all ordinances or parts thereof conflicting or inconsistent with the provisions of this Ordinance as adopted and amended herein, are hereby amended to the extent of such conflict. In the event of a conflict or inconsistency between this Ordinance and any other ordinance of the City, the terms and provisions of this Ordinance shall govern.

Section 11. Effective Date.

This Ordinance will be effective on October 1, 2014.

PASSED AND APPROVED September 23, 2014

CITY OF PFLUGERVILLE, TEXAS

By: _____
Jeff Coleman, Mayor

ATTEST:

_____
Karen Thompson, City Secretary

APPROVED AS TO FORM:

_____
George E. Hyde, City Attorney
Denton Navarro Rocha Bernal Hyde & Zech, P.C.

EXHIBIT C

WATER AND WASTEWATER SYSTEM DATA

Texas Water Development Board

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

Fill out this form as completely as possible.
If a field does not apply to your entity, leave it blank.

CONTACT INFORMATION

Name of Utility: City of Pflugerville

Public Water Supply Identification Number (PWS ID): 2270014

Certificate of Convenience and Necessity (CCN) Number: 11303

Surface Water Right ID Number: Type 1- 5790, Type 9 - 2414

Wastewater ID Number: WQ0011845 / TX 0094927-001A

Completed By: Darrell Winslett Title: Water Conservation Manage

Address: P.O. Box 589 City: Pflugerville Zip Code: 78691

Email: darrellw@pflugervilletx.gov Telephone Number: 512 990 6404

Date: 05/24/16

Regional Water Planning Group: K Map

Groundwater Conservation District: N/A Map

Check all that apply:

- ☐ Received financial assistance of $500,000 or more from TWDB
- ☑ Have 3,300 or more retail connections
- ☑ Have a surface water right with TCEQ

Texas Water Development Board

Section I: Utility Data

A. Population and Service Area Data

1. Current service area size in square miles: 17
(Attach or email a copy of the service area map.)

2. Provide historical service area population for the previous five years, starting with the most current year.

Year	Historical Population Served By Retail Water Service	Historical Population Served By Wholesale Water Service	Historical Population Served By Wastewater Service
2015	47,472		49,977
2014	44,616		47,193
2013	41,784		44,436
2012	39,849		42,531
2011	38,202		40,956

3. Provide the projected service area population for the following decades.

Year	Projected Population Served By Retail Water Service	Projected Population Served By Wholesale Water Service	Projected Population Served By Wastewater Service
2020	52,400		
2030	63,900		
2040	77,800		
2050	94,900		
2060	109,000		

4. Describe the source(s)/method(s) for estimating current and projected populations.

The City of Pflugerville Development Services

B. System Input

Provide system input data for the previous five years.

Total System Input = Self-supplied + Imported – Exported

Year	Self-supplied Water in Gallons	Purchased/Imported Water in Gallons	Exported Water in Gallons	Total System Input	Total GPCD
2015	2,261,169,737	668,018,515	859,648,160	2,069,540,092	119
2014	2,136,327,089	625,003,591	794,325,020	1,967,005,660	121
2013	2,110,678,772	630,045,920	848,650,240	1,892,074,452	124
2012	2,148,584,533	651,663,428	823,320,580	1,976,927,381	136
2011	2,370,839,992	640,765,660	709,021,910	2,302,583,742	165
Historic 5-year Average	2,205,520,025	643,099,423	806,993,182	2,041,626,265	133

C. Water Supply System (Attach description of water system)

1. Designed daily capacity of system 28,436,480 **gallons** per day.
2. Storage Capacity:
   Elevated 1,412,641 **gallons**
   Ground 7,076,359 **gallons**

3. List all current water supply sources in gallons.

Water Supply Source	Source Type*	Total Gallons
Colorado River LCRA	Surface	3,910,212,000
Edwards Aquifer	Ground	2,860,315,200
	Choose One	
	Choose One	
	Choose One	
	Choose One	

*Select one of the following source types: *Surface water, Groundwater, or Contract*

4. If surface water is a source type, do you recycle backwash to the head of the plant?
   ○ Yes _____ estimated **gallons** per day
   ◉ No

Texas Water Development Board

D. Projected Demands

1. Estimate the water supply requirements for the next ten years using population trends, historical water use, economic growth, etc.

Year	Population	Water Demands (gallons)
2020	64,912	2,819,452,720
2030	104,405	4,534,831,175

2. Describe sources of data and how projected water demands were determined. Attach additional sheets if necessary.

The City of Pflugerville Development Services.

E. High Volume Customers

1. List the annual water use, in gallons, for the five highest volume **RETAIL customers**. Select one of the following water use categories to describe the customer; choose Residential, Industrial, Commercial, Institutional, or Agricultural.

Retail Customer	Water Use Category*	Annual Water Use	Treated or Raw
Travis county TNR	Commercial	35,931,900	Treated
Falcon Point HOA	Commercial	29,903,100	Treated
PISD	Institutional	25,551,000	Treated
Sun Communities	Residential	19,847,500	Treated
Stone Hill LLC	Commercial	17,385,300	Treated

*For definitions on recommended customer categories for classifying customer water use, refer to the online Guidance and Methodology for Reporting on Water Conservation and Water Use.

2. If applicable, list the annual water use for the five highest volume **WHOLESALE customers**. Select one of the following water use categories to describe the customer; choose Municipal, Industrial, Commercial, Institutional, or Agricultural.

Wholesale Customer	Water Use Category*	Annual Water Use	Treated or Raw
	Choose One		Choose One
	Choose One		Choose One
	Choose One		Choose One
	Choose One		Choose One
	Choose One		Choose One

*For definitions on recommended customer categories for classifying customer water use, refer to the online Guidance and Methodology for Reporting on Water Conservation and Water Use.

F. Utility Data Comment Section

Provide additional comments about utility data below.

Section II: System Data

A. Retail Connections

1. List the active retail connections by major water use category.

Water Use Category*	Active Retail Connections			
	Metered	Unmetered	Total Connections	Percent of Total Connections
Residential – Single Family	15,198	0	15,198	96%
Residential – Multi-family (units)	21	0	21	0%
Industrial	0	0	0	0%
Commercial	504	0	504	3%
Institutional	42	0	42	0%
Agricultural	0	0	0	0%
TOTAL	15,765	0	15,765	

*For definitions on recommended customer categories for classifying customer water use, refer to the online Guidance and Methodology for Reporting on Water Conservation and Water Use.

2. List the net number of new retail connections by water use category for the previous five years.

Water Use Category*	Net Number of New Retail Connections				
	2015	2014	2013	2012	2011
Residential – Single Family	923	894	853	655	577
Residential – Multi-family (units)	6	0	0	3	0
Industrial	0	0	0	0	0
Commercial	51	23	36	25	33
Institutional	0	0	0	1	2
Agricultural	0	0	0	0	0
TOTAL	980	917	889	684	612

*For definitions on recommended customer categories for classifying customer water use, refer to the online Guidance and Methodology for Reporting on Water Conservation and Water Use.

B. Accounting Data

For the previous five years, enter the number of gallons of RETAIL water provided in each major water use category.

Water Use Category*	Total Gallons of Retail Water				
	2015	2014	2013	2012	2011
Residential - Single Family	1,392,923,900	1,277,872,300	1,327,237,300	1,418,918,900	1,660,958,400
Residential – Multi-family	57,404,800	44,720,800	32,027,300	27,966,900	33,469,300
Industrial	0	0	0	0	0
Commercial	293,409,600	255,023,500	258,235,600	233,987,400	284,086,400
Institutional	32,757,500	33,875,400	34,664,900	33,788,100	49,637,200
Agricultural	0	0	0	0	0
TOTAL	1,776,495,800	1,611,492,000	1,652,165,100	1,714,661,300	2,028,151,300

*For definitions on recommended customer categories for classifying customer water use, refer to the online Guidance and Methodology for Reporting on Water Conservation and Water Use.

C. Residential Water Use

For the previous five years, enter the residential GPCD for single family and multi-family units.

Water Use Category*	Residential GPCD				
	2015	2014	2013	2012	2011
Residential - Single Family	119	121	124	136	165
Residential – Multi-family	43				

D. Annual and Seasonal Water Use

1. For the previous five years, enter the gallons of treated water provided to RETAIL customers.

Month	Total Gallons of Treated Retail Water				
	2015	2014	2013	2012	2011
January	79,817,735	76,952,696	79,333,941	77,428,149	74,585,969
February	74,835,163	72,264,155	76,453,017	65,502,047	71,425,001
March	85,973,949	81,856,909	97,121,095	78,664,019	99,383,318
April	97,487,557	104,816,455	94,076,721	110,121,932	125,302,905
May	89,542,070	117,267,996	108,497,242	115,645,784	137,424,862
June	101,508,489	111,014,962	139,506,321	147,519,516	165,644,780
July	158,368,280	133,804,771	139,587,123	134,112,564	182,223,574
August	196,067,671	178,530,669	154,503,442	164,897,868	203,580,012
September	159,935,020	141,859,601	132,223,572	132,739,022	169,126,848
October	148,068,153	116,948,370	91,868,947	105,202,586	134,037,947
November	119,723,014	91,796,286	83,814,352	102,405,124	98,625,854
December	90,194,476	85,140,199	77,690,783	91,005,342	77,592,722
TOTAL	1,401,521,577	1,312,253,069	1,274,676,556	1,325,243,953	1,538,953,792

2. For the previous five years, enter the gallons of raw water provided to RETAIL customers.

Month	Total Gallons of Raw Retail Water				
	2015	2014	2013	2012	2011
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
TOTAL	0	0	0	0	0

3. Summary of seasonal and annual water use.

Water Use	Seasonal and Annual Water Use					Average in Gallons
	2015	2014	2013	2012	2011	
Summer Retail (Treated + Raw)	455,944,440	423,350,402	433,596,886	446,529,948	551,448,366	462,174,008 5yr Average
TOTAL Retail (Treated + Raw)	1,401,521,577	1,312,253,0[illegible]	1,274,676,556	1,325,243,953	1,538,953,792	1,370,529,789 5yr Average

E. Water Loss

Provide Water Loss data for the previous five years.

Water Loss GPCD = [Total Water Loss in Gallons ÷ Permanent Population Served] ÷ 365

Water Loss Percentage = [Total Water Loss ÷ Total System Input] x 100

Year	Total Water Loss in Gallons	Water Loss in GPCD	Water Loss as a Percentage
2015	69,620,561	4	3%
2014	48,792,018	3	2%
2013	48,803,419	3	3%
2012	50,912,200	4	3%
2011	55,843,490	4	2%
5-year average	54,794,338	4	3%

F. Peak Water Use

Provide the Average Daily Water Use and Peak Day Water Use for the previous five years.

Year	Average Daily Use (gal)	Peak Day Use (gal)	Ratio (peak/avg)
2015	6,194,985	11,894,000	1.92
2014	5,852,950	11,964,000	2.04
2013	3,492,264	10,382,000	2.97
2012	3,630,805	10,626,000	2.93
2011	4,216,311	11,755,000	2.79

G. Summary of Historic Water Use

Water Use Category	Historic 5-year Average	Percent of Connections	Percent of Water Use
Residential SF	1,415,582,160	96%	1%
Residential MF	39,117,820	0%	0%
Industrial	0	0%	0%
Commercial	264,948,500	3%	0%
Institutional	36,944,620	0%	0%
Agricultural	0	0%	0%

H. System Data Comment Section

Provide additional comments about system data below.

Section III: Wastewater System Data

If you do not provide wastewater system services then you have completed the Utility Profile. Save and Print this form to submit with your Plan. Continue with the Water Conservation Plan Checklist to complete your Water Conservation Plan.

A. Wastewater System Data (Attach a description of your wastewater system.)

1. Design capacity of wastewater treatment plant(s): 6 **gallons** per day.

2. List the active wastewater connections by major water use category.

Water Use Category*	Active Wastewater Connections			
	Metered	Unmetered	Total Connections	Percent of Total Connections
Municipal	15,198		15,198	97%
Industrial	0		0	0%
Commercial	504		504	3%
Institutional	42		42	0%
Agricultural	0		0	0%
TOTAL	15,744	0	15,744	

2. What percent of water is serviced by the wastewater system? 100 %

3. For the previous five years, enter the number of gallons of wastewater that was treated by the utility.

Month	Total Gallons of Treated Wastewater				
	2015	2014	2013	2012	2011
January	138	109	98	100	111
February	109	95	84	104	86
March	149	106	92	120	104
April	114	95	93	92	98
May	118	114	97	100	103
June	128	106	90	87	97
July	113	103	96	91	98
August	107	99	93	90	85
September	107	104	95	90	78
October	135	106	135	93	83
November	143	115	132	87	84
December	154	111	120	90	97
TOTAL	1,515	1,263	1,225	1,144	1,124

4. Can treated wastewater be substituted for potable water?

(●) Yes ( ) No

B. Reuse Data

1. Provide data on the types of recycling and reuse activities implemented during the current reporting period.

Type of Reuse	Total Annual Volume (in gallons)
On-site irrigation	
Plant wash down	212,454,852
Chlorination/de-chlorination	
Industrial	
Landscape irrigation (parks, golf courses)	24,112,974
Agricultural	
Discharge to surface water	
Evaporation pond	
Other	
TOTAL	236,567,826

C. Wastewater System Data Comment

Provide additional comments about wastewater system data below.

Treated wastewater numbers are in MG.

You have completed the Utility Profile. Save and Print this form to submit with your Plan. Continue with the Water Conservation Plan Checklist to complete your Water Conservation Plan.

EXHIBIT D

DISCUSSION OF WATER CONSERVATION GOALS

Water Conservation Plan Goals Table
TWDB Form No.1964
Revised 12/14/2012 1:53 PM

WATER CONSERVATION PLAN
5- AND 10-YR GOALS FOR WATER SAVINGS

Facility Name: City of Pflugerville

Water Conservation Plan Year: 2016

	Historic 5yr Average	Baseline	5-yr Goal for year 2021	10-yr Goal for year 2026
Total GPCD[1]	119	119	113	107
Residential GPCD[2]	100	87	82	79
Water Loss (GPCD)[3]	4	4	6	5
Water Loss (Percentage)[4]	3 %	3 %	5 %	5 %

1. Total GPCD = (Total Gallons in System ÷ Permanent Population) ÷ 365
2. Residential GPCD = (Gallons Used for Residential Use ÷ Residential Population) ÷ 365
3. Water Loss GPCD = (Total Water Loss ÷ Permanent Population) ÷ 365
4. Water Loss Percentage = (Total Water Loss ÷ Total Gallons in System) x 100; or (Water Loss GPCD ÷ Total GPCD) x 100

EXHIBIT E

TRANSMITTAL LETTERS TO REGION K

where quality meets life
PFLUGERVILLE
TEXAS

May 24, 2016

Lower Colorado River Authority
P.O. Box 220
Austin, Texas 78767-0220

Re: City of Pflugerville Water Conservation Plan
Update 2016

Dear Sir or Madam

Please find enclosed a copy of the City of Pflugerville's 2016 Water Conservation Plan for the use and information of the Lower Colorado Regional Water Planning Group. We appreciate the efforts of the planning group and its consultants on behalf of the people of Texas. Through your efforts, our area will be able to identify and develop the water resources required for continued growth and prosperity. Please contact me should you have any questions or require additional information.

Sincerely,

Darrell Winslett

Cc: Aqua WSC
TWDB
P.E. AECOM

EXHIBIT F

RESOLUTION