

Jonestown Water Supply Corporation Water Conservation Plan

Purpose

The water conservation plan shall effectively address all appropriate methods for reducing water consumption, and improving water use efficiency. Implementation of this plan must begin not later than the commencement of diversion of water pursuant to the water sale contract.

I. Utility profile.

The Jonestown Water Supply Corporation (JWSC) currently serves ¹1,196.5 residential connections, ¹58.5 business connections and ¹10 irrigation connections all with a population of ²2982. Water is used for domestic, small business, and irrigation purposes. We currently have no industrial customers. The system currently has the following capacities:

Pumping

1,900 gpm Raw Water 4 pumps

1,400 gpm High Service 4 pumps

Treatment

700 gpm

Storage

180,000 Ground 7 tanks

320,000 Elevated 4 tanks

Improvements being made (Under Contract)

Pumping

600 gpm Raw Water 1 pump

550 gpm High Service 1 pump

Treatment

350 gpm

Storage

80,000 Ground 1 tank

The system currently has an average water loss of ³19.95% See Appendix A for gallons per capita per day (gpcd) and customer data and Appendix B for Anticipated Futures Demand.

II. Specification of conservation goals.

JWSC has set conservation goals for 5 and 10 years. These goals are as follows:

1. Conservation goals for residential and business customers
 - a. Five Year target is a ⁴2% reduction in gpcd
 - b. Ten Year target is a ⁴4% reduction in gpcd
2. Conservation goals for irrigation customers
 - a. Five Year target is a ⁶6% reduction in gpcd
 - b. Ten Year target is a ¹²12% reduction in gpcd
3. Conservation goals for Unaccounted for water loss
 - a. Five Year target is a ⁵2% reduction

b. Ten Year target is a ⁴4% reduction
See Appendix C for target reduction goals graph

III. **Metering devices.**

JWSC shall test and calibrate all metering devices used to measure and account for the amount of water diverted from the source.

IV. **Universal Metering.**

JWSC will meter all water to all connections using the appropriate meter size for the needs of the customer. These meters will be monitored for functionality and be replaced at a prescribed age or usage limit in accordance with the manufactures recommendations. JWSC will test 1% of meters when purchased, prior to installation to insure compliance with AWWA standards.

V. **Unaccounted-for water loss.**

Water loss audits will be conducted in accordance with 31 TAC 358 to determine and control unaccounted-for uses of water. Transmission and distribution line rights-of-way will be visually inspected monthly for signs of leakage. Annually, operators will conduct a distribution system water loss audit using electronic sounding devices in an effort to locate and reduce unaccounted-for losses of water.

VI. **Education and public information.**

JWSC will make available in the office water conservation handouts, and will promote conservation and awareness at it annual membership meeting.

VII. **Water rates.**

See Water Rate Structure in Appendix D

¹ Connections based on LUE

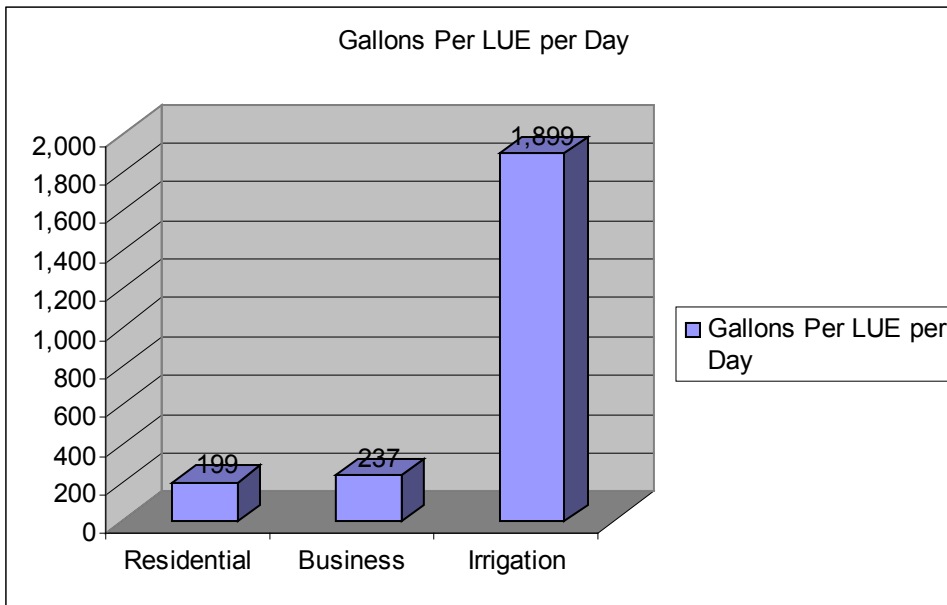
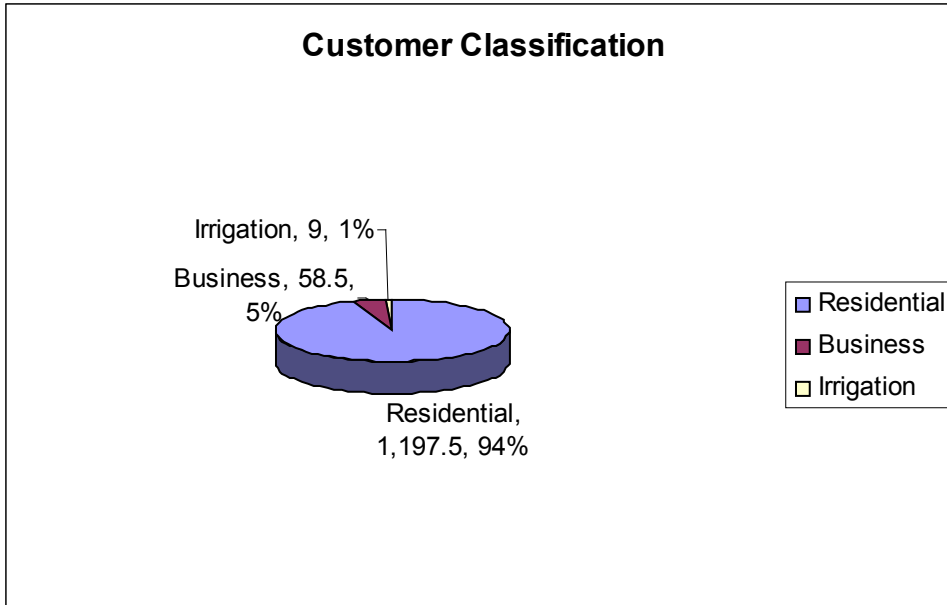
² Population based on 2.5 people per LUE

³ Conservation goals based on current gpcd shown in appendix a

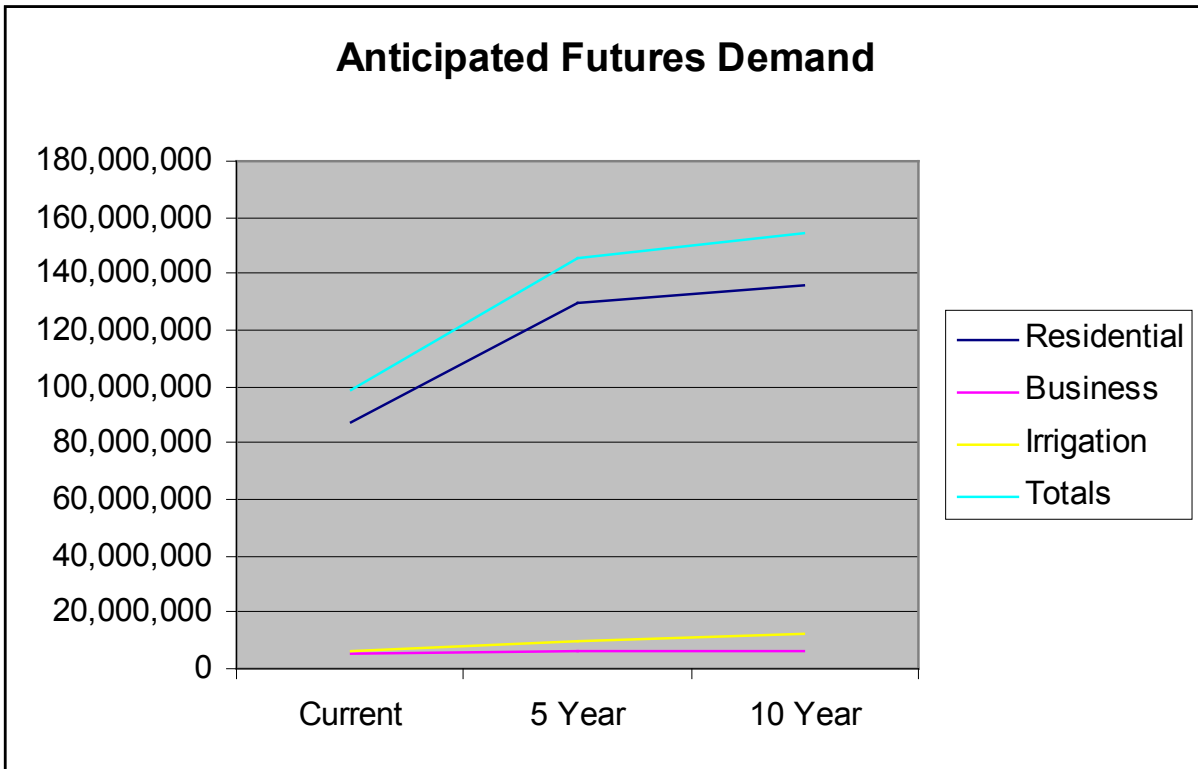
⁴ Conservation goals based on current gpcd shown in appendix a

⁵ Conservation goals based on current UAWL and is a direct % reduction

Appendix A
Customer and gpcd Data

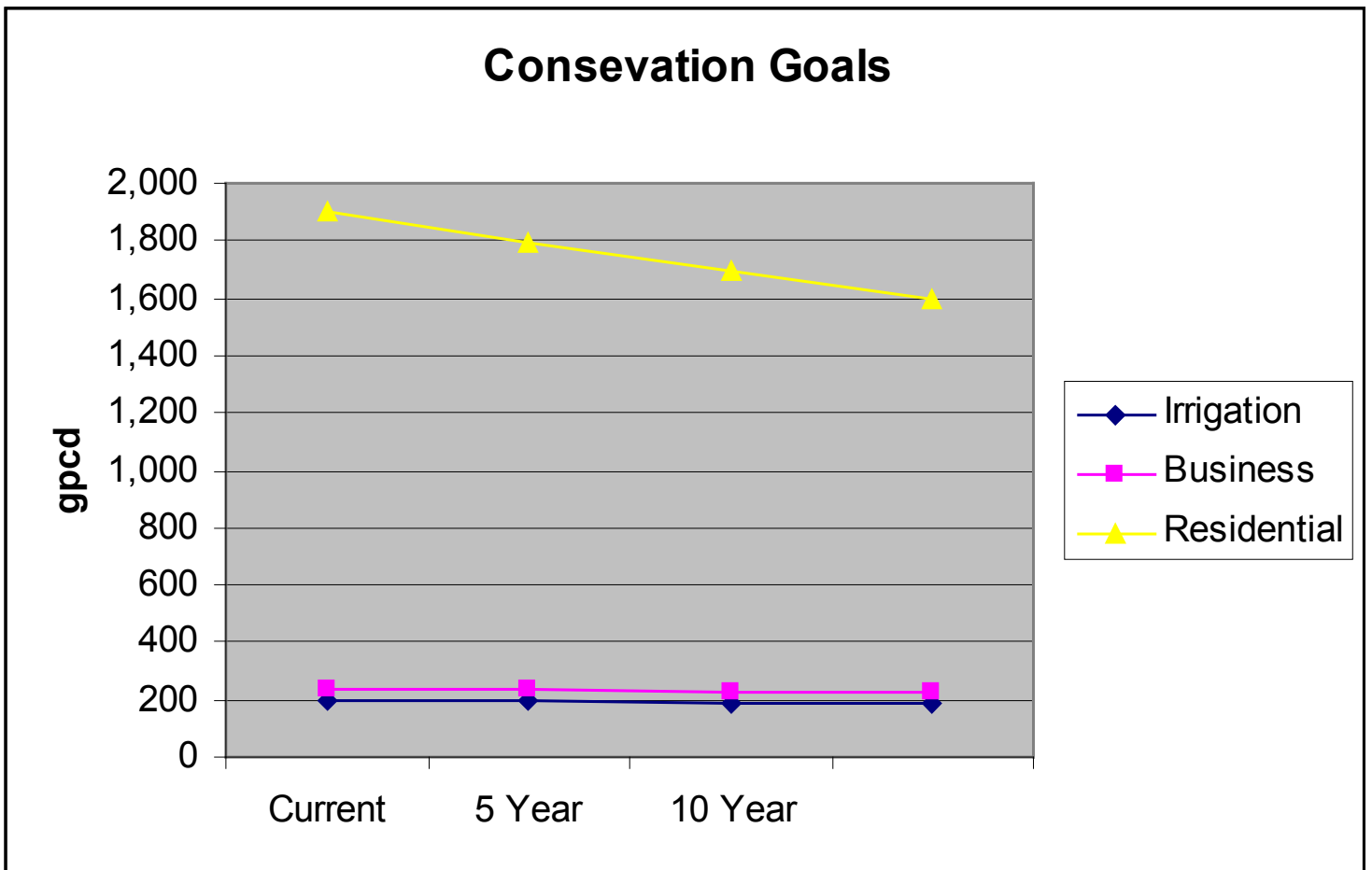


Appendix B
Anticipated Futures Demand



Current				
	Residential	Business	Irrigation	Totals
LUE's	1,197.5	58.5	9	1,265
gpcy	72,807	86,427	693,107	77,850
gpcd current	199	237	1,899	213
gpcd goal	196	232	1791	209
gpy	87,186,383	5,055,980	6,237,963	98,480,325
5 Year				
	Residential	Business	Irrigation	Totals
LUE's	1,820.0	70.0	15	1,905
gpcy	355,919	16,250	26,872	76,457
gpcd current	196	232	1,791	209
gpcd goal	192	228	1690	198
gpy	129,910,529	5,931,265	9,808,118	145,649,912
10 Year				
	Residential	Business	Irrigation	Totals
LUE's	1,940.0	75.0	20	2,035
gpcy	69,980	0	0	75,837
gpcd current	192	228	1,690	208
gpcd goal	188	223	1594	
gpy	135,760,842	6,230,320	12,337,255	154,328,417

Appendix C
Conservation Goals



Appendix D
Water Rate Structure

7. **Monthly Charges.**

a. **Minimum Monthly Charge**

(1) Water Service - The monthly charge for metered water service, including allowable gallonage, is based on demand by meter size. Each charge is assessed based on the number of Service Units as per American Water Works Association maximum continuous flow specifications (see Miscellaneous) equivalent to the size indicated and is used as a base multiplier for the Minimum Monthly Charge, allowable gallonage, and Equity-Buy-In. Rates and equivalents are as follows:

METER SIZE	SU (LUE) EQUIVALENTS	INCLUDED GALLONAGE	MONTHLY RATE	EQUITY BUY IN FEE
5/8" X 3/4" (Standard)	1.0	1000	\$ 30.00	\$2300
3/4"	1.5	Actual charges will be determined at the time the non-standard contract is written and will be based on the number of SUs needed. This chart indicates the maximum SUs per meter size.		
1"	2.5			
1 1/2"	5.0			
2"	8.0			
3" DISP.	15.0			
3" CMPD.	16.0			
3" TURB.	17.5			
4" CMPD.	25.0			
4" TURB.	30.0			

b. **Reserved Service Charges** -- The monthly charge for each active account at a specific location for which a meter has not been installed but for which the Corporation and the Applicant have entered into agreement and/or contract for reserved service. This monthly charge shall be based on the Corporation's fixed costs to service the Applicant's dedicated facilities on a per Service Unit basis. This charge reserves service to the Applicant's property designated to receive service. This fee is determined on a case-by-case basis but shall never exceed the Service Availability Charge for Metered Service on a per Service Unit basis.

c. **Gallonage Charge** - In addition to the Minimum Monthly Charge, a gallonage charge shall be added at the following rates for usage during any one (1) billing period.

- (1) Water - \$ 4.00 per 1,000 gallons for any gallonage over the allowable gallonage for the meter size installed.
- (2) The Corporation shall, as required by Section 5.235, Water Code of the State of Texas, collect from each of its retail customers a regulatory assessment equal to one-half of one percent of the charge for retail water. This charge shall be collected in addition to other charges for utility service. This fee is collected on all charges pertaining to Section G.6. Monthly Charges of this tariff. (30 TAC 291.76 d.(3) (i))
- (3) One time in a 3-year period the JWSC will allow a member that has a verifiable leak to pay a special rate of 25% of the current rate for the excess gallonage above the member's normal billing history for that month. It is at the sole discretion of the JWSC to determine if the high water use was a leak covered under this rule or another event that caused the higher than normal water use.

d. **Customer Notice Provisions.** The Corporation shall give written notice of monthly rate changes by mail or hand delivery to all consumers at least 30 days prior to the effective date of the new rate. The notice shall contain the old rates, new rates, effective date or the new rate, date of Board authorization, and the name and phone number of the Corporation's contact person designated to address inquiries about the rate change. (TRWA deleted this from Section B and added it here)

Appendix E
Resolution