



LWP – Update 2018-1

April 30th, 2018

Prepared By :
Travis J Miles, President

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Attachments:

2017 Municipal Water Usage Report

1. INTRODUCTION

This Lost Water Plan was developed to provide an outlook and action plan for Suburban to minimize/control its annual water loss as effectively as possible. The Lost Water Plan was ordered by the Kansas Corporation Commission through Docket No. 13-SUBW-744-CON and requires semi-annual updates, after the initial plan filing until Suburban's water loss percentage is in compliance.

The lost water plan is intended to provide an overview of the methods and processes that Suburban has and will continue to use to effectively monitor and maintain an acceptable amount of lost water.

2. BACKGROUND INFORMATION

Suburban is a privately owned water utility in Basehor, Kansas. Suburban currently provides water service to approximately 1,865 residential/commercial customers, along with wholesale water to Rural Water District #6, #9, and #10 of Leavenworth County, Kansas. Suburban currently has two sources of water supply and is currently developing a third supply within the Kansas River Basin.

3. 2016 MUNICIPAL WATER USAGE REPORT FILING

Suburban for the period from January 1st, 2017 through December 31st, 2017, produced/purchased a combined total of 202.267 million gallons of water. The total unaccounted for water for 2017 was 16.468 million gallons of water or 8 %, which is 3 million gallons less than 2016.

4. INSTALLATION OF NEW INFRASTRUCTURE STANDARDS

Suburban continues to enforce our standards for the installation of all replacement and/or installation of any new infrastructure, throughout our service territory. Those standards include the proper installation, specific manufactures of materials, pressure testing of all new main installations, and proper inspection by Suburban field staff prior to mains being put into service. Suburban believes that these installation standards will ensure the long term stability of our infrastructure and effectively control any new potentials for lost water.

5. WATER LOSS GOALS

Suburban's objective is to maintain an acceptable amount of unaccounted for water ("UFW") on an annual basis, which is at or below the regional and state averages. Suburban's goal is to maintain a lost water percentage at or below 10% as compared to our annual production amounts, including water both pumped and purchased by the company.

**Complete Summary for SUBURBAN WATER INC
MUN - Person Id: 24951
1216 N 155TH ST
PO BOX 588, BASEHOR, KS 66007
913-724-1800**

Date Submitted: 01-MAR-18
Reported by: Travis J Miles, travis@suburbanwaterinc.com, 913-724-1800
Agent

Part A: Points of Diversion Summary

Total water used: 70,436,301 Gallons (216 AF)

File Number	Meter Readings	Hours & Rate	Quantity	Depth to Water	Depth of Well	Date Well Measured	Comment
39287-00 2696'N 2792'W 22-11-22E SE SE NW CIN: 17			70,436,301 Gallons (Estimated)	75	96	03/01/2018	
41844-00 2696'N 2792'W 22-11-22E SE SE NW CIN: 17							Reported under A 39287 00

File Number	Meter Readings	Hours & Rate	Quantity	Depth to Water	Depth of Well	Date Well Measured	Comment
42733-00 2696'N 2792'W 22-11-22E SE SE NW CIN: 17							Reported under A 39287 00
49208-00 12'N 50'W 22-12-21E SE SE SE CIN: 3							Reported non-use: Not Completed
49537-00 1096'N 5113'W 23-12-21E NW SW SW CIN: 2							Reported non-use: Not Completed

Part B: Monthly Water Use Summary
(all amounts are in 1000 gallon units)

	Column 1 Raw Water Diverted	Column 2 Water Purchased From All Sources	Column 3 Water Sold to Public Suppliers	Column 4 Water Sold to Industrial, Stock Bulk Customers	Column 5 Water Sold to Residential and Commercial Customers	Column 6 Metered Water Provided Free	Column 7 Unaccounted for Water	Column 8 % of Unaccounted for Water
Jan	6,369	9,009	5,157	0	8,693	23	1,505	10
Feb	4,901	7,741	3,628	0	7,465	33	1,516	12
Mar	5,776	7,672	4,118	0	8,445	69	816	6
Apr	5,655	8,841	4,038	0	9,016	36	1,406	10
May	5,127	11,542	5,269	0	10,591	25	784	5
Jun	5,540	17,062	6,345	0	14,173	56	2,028	9
Jul	4,285	18,452	6,270	0	15,430	43	994	4
Aug	3,023	15,828	5,140	0	11,483	35	2,193	12
Sep	4,319	13,972	5,019	0	12,504	42	726	4
Oct	6,814	10,055	5,085	0	10,460	30	1,294	8
Nov	9,189	5,319	4,423	0	8,701	32	1,352	9
Dec	9,438	6,338	4,892	0	8,996	34	1,854	12
Total	70,436	131,831	59,384	0	125,957	458	16,468	8

Part C: Population, Service Connections and Water Rates

1. Estimate the number of persons served directly by your distribution system: 4573
2. Number of ACTIVE water service connections as of December 31st 2017:
 - a) Residential: 1829
 - b) Commercial/Institutional: 33
 - c) Industrial: 0
 - d) Pasture/Stockwater/Feedlot: 0
 - e) Other Connections: 3
3. Other Connection Explanation: RWD10,RWD6,RWD9
4. Total ACTIVE Service Connections: 1865
5. If you are a city, how many of the active residential water service connections are located outside of your city limits: 0

Part E: Water Purchased or Sold Summary
(all amounts are in 1000 gallon units)

BOARD OF PUBLIC UTILITIES(KC) , Pers Id: 20297, Seq no: 1, PURCHASED												
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOT
9,009	7,741	7,672	8,841	11,542	17,062	18,452	15,828	13,972	10,055	5,319	6,338	131,831
LEAVENWORTH RWD 09 , Pers Id: 15276, Seq no: 3, SOLD												
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOT
1,490	678	1,013	1,280	2,131	2,859	2,305	1,157	1,521	1,314	1,733	2,265	19,746
LEAVENWORTH RWD 10 , Pers Id: 34371, Seq no: 4, SOLD												
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOT
2,552	1,995	2,067	1,761	2,005	2,144	2,536	2,765	2,320	2,551	1,648	1,505	25,849
LEAVENWORTH RWD 06 , Pers Id: 33868, Seq no: 2, SOLD												
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOT
1,115	956	1,038	997	1,133	1,342	1,430	1,218	1,178	1,220	1,041	1,123	13,791