

FY 2017 Water Distribution Accountability Report

FY 2017	Finished Water *	Billed Consumption*	BCMUD Flush Log	Brushy Bend Water Treatment Flush Log	Estimated loss from known leaks	Sam Bass Fire Use	Total Known Consumption	Unaccounted Water	12 month rolling loss percentage
Sept 26-30		(9,950,000)					(9,950,000)	9,950,000	
Oct	79,978,000	81,989,000	218,900	8,800	-	-	72,266,700	7,711,300	10.94%
Nov	79,005,000	68,292,000	228,500	10,550	5,000,000	-	73,531,050	5,473,950	9.83%
Dec	54,807,000	45,071,000	215,100	3,750	2,000,000	10,000	47,299,850	7,507,150	9.28%
Jan	51,679,000	43,464,000	200,000	2,097,000	-	-	45,761,000	5,918,000	8.36%
Feb	50,225,000	44,906,000	200,000	1,510,000	-	-	46,616,000	3,609,000	8.37%
Mar	63,125,000	55,306,000	221,000	2,214,000	-	-	57,741,000	5,384,000	8.46%
Apr	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	8.36%
Total (gallons)	378,819,000	329,078,000	1,283,500	5,844,100	7,000,000	10,000	333,265,600	45,553,400	
	Total Fiscal Year Unaccounted Water % -		9.40%						

* October Billed Consumption excludes 5 days of usage between the previous read date of September 25 and September 30. A special reading was done on 9/30/16 and found an additional 9,950,000 gallons. The special readings produce a more accurate year end number for water loss.

FY 2017 Surface Water Accountability Report

FY 2017 Surface

Water

Accountability

Report

	Lake Raw Water	Wilco Park ¹	Chisholm Trail ²	Lake - Chisholm	Lake - Wilco - Chisholm	Surface Water to Plant	Unaccounted Surface Water
Oct	107,177,000	3,100,089	6,518,000	100,659,000	97,558,911	97,168,000	390,911
Nov	70,215,000	2,999,990	2,284,000	67,931,000	64,931,010	64,436,000	495,010
Dec	56,751,000	3,108,786	607,000	56,144,000	53,035,214	53,912,000	(876,786)
Jan	56,712,000	3,100,080	1,747,000	54,965,000	51,864,920	52,250,000	(385,080)
Feb	54,202,000	2,800,196	1,523,000	52,679,000	49,878,804	50,178,000	(299,196)
Mar	68,384,000	3,101,094	3,870,000	64,514,000	61,412,906	63,587,000	(2,174,094)
Apr	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0
Total (Gallons)	413,441,000	18,210,235	16,549,000	396,892,000	378,681,765	381,531,000	-2,849,235

Unaccounted Surface Water %: -0.75%

Footnotes:

1 – Williamson County’s contract provides for a maximum of 100,000 gallons per day unless additional supply is requested.

2 – Chisholm Trail’s contract provides for a maximum of 400 acre feet per fiscal year and a maximum of 500,000 gallons per day.

FY 2017 Water Production Accountability Report

FY 2017 Water

Production Accountability Report	Surface Water to Plant Pond	Recycled Water to Plant Pond	Well Water to Plant Pond	Total Water to Pond	Pond Loss (Total Water to Pond - Blended Meter)*	Blended Meter to Plant	Blended Water to Plant - Recycle Water	36" Master Meter to Distribution	Production Loss
Oct	97,168,000	7,206,000	2,623,000	106,997,000	742,000	106,255,000	99,049,000	98,931,000	118,000
Nov	64,436,000	5,311,000	2,139,000	71,886,000	-64,000	71,950,000	66,639,000	66,434,000	205,000
Dec	53,912,000	4,705,000	2,163,000	60,780,000	461,000	60,319,000	55,614,000	54,807,000	807,000
Jan	52,250,000	4,150,000	2,025,000	58,425,000	1,219,000	57,206,000	53,056,000	51,679,000	1,377,000
Feb	50,178,000	3,932,000	1,757,000	55,867,000	-263,000	56,130,000	52,198,000	50,225,000	1,973,000
Mar	63,587,000	4,920,000	2,791,000	71,298,000	1,024,000	70,274,000	65,354,000	63,125,000	2,229,000
Apr	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0
Sept	0	0	0	0	0	0	0	0	0
Total (Gallons)	381,531,000	30,224,000	13,498,000	425,253,000	3,119,000	422,134,000	391,910,000	385,201,000	6,709,000

Water Production Loss %

1.71%

*Pond capacity = 8 MG, so actual loss would be less the capacity of the pond at the beginning of the reporting period

February 2017 Water Loss Report

	FY2017 YTD	FY2016 Total	FY2015 Total
System Input			
Produced Water	385,201,000	952,660,000	979,483,000
Authorized Consumption			
Billed Metered - Residential	250,422,000	644,502,424	624,567,986
Billed Metered - Commercial	59,579,000	153,385,995	148,641,772
<i>District Consumption</i>	29,039,000	43,722,581	42,370,243
Unbilled Unmetered			
<i>Distribution (Treatment) Flushing</i>	1,283,500	2,967,970	1,831,210
<i>Brushy Bend Flushing</i>	5,844,100	150,925	153,445
<i>Sam Bass Fire</i>	10,000	7,500	23,700
Total Authorized Consumption	346,177,600	844,737,395	817,588,355
Apparent Losses			
Average Meter Inaccuracy	99%	99%	99%
Customer Meter Inaccuracy Loss (99% Accurate)	3,424,646	8,501,121	8,238,182
Unauthorized Consumption	0.25%	0.25%	0.25%
Unauthorized Consumption Loss (0.25% per AWWA standards)	775,003	1,994,721	1,933,024
	4,199,649	10,495,842	10,171,206
Reported Losses			
Reported Breaks and Leaks	7,000,000	5,115,413	5,452,061
Total Reported Losses	7,000,000	5,115,413	5,452,061
Water Loss	27,823,751	92,311,350	146,271,378
Water Loss Detail			
Residential Connections	5,654	5,641	5,581
Commercial Connections	153	143	143
District Connections	49	47	46
Total Connections	5,856	5,831	5,770
Days	182	365	365
Loss Per Connection per Day (Gallons)	26	43	69
Estimated Population Served	20,248	20,173	19,963
Water Loss Per Capita Per Day (Gallons)	8	13	20
Total Water Use Per Capita Per Day	94	115	112
Financial Indicators			
Cost to produce water per 1,000 gallons	\$1.00	\$1.00	\$1.00
Cost of Apparent Losses	\$4,199.65	\$10,495.84	\$10,171.21
Cost of Reported Losses	\$7,000.00	\$5,115.41	\$5,452.06
Cost of Water Loss	\$27,823.75	\$92,311.35	\$146,271.38

12 months Percentage of Unaccounted for Water

