

FY 2019 Water Distribution Accountability Report

FY 2019	Finished Water *	Billed Consumption*	BCMUD Flush Log	Brushy Bend Water Sale	Estimated loss from known leaks	Sam Bass Fire Use	Total Known Consumption	Unaccounted Water	Monthly Water Loss Percentage
Oct	59,358,000	53,333,000	237,400	2,014,800	200,000	-	55,785,200	3,572,800	6.02%
Nov	52,657,000	49,541,000	237,000	1,902,000	-	-	51,680,000	977,000	1.86%
Dec	49,539,000	40,320,000	226,800	1,540,000	-	-	42,086,800	7,452,200	15.04%
Jan	49,243,000	44,563,000	207,000	2,462,000	-	-	47,232,000	2,011,000	4.08%
Feb	44,311,000	37,997,000	172,000	1,530,000	-	-	39,699,000	4,612,000	10.41%
Mar	59,015,000	45,196,000	155,000	1,676,100	2,200,000	-	49,227,100	9,787,900	16.59%
Apr	63,456,000	58,471,000	151,100	2,033,000	-	-	60,655,100	2,800,900	4.41%
May	65,037,000	61,709,000	110,100	2,066,000	-	-	63,885,100	1,151,900	1.77%
Jun	74,724,000	62,487,000	196,200	2,464,000	-	-	65,147,200	9,576,800	12.82%
Jul	115,459,000	91,709,000	121,400	3,529,000	-	-	95,359,400	20,099,600	17.41%
Aug	151,035,000	140,182,000	198,400	5,315,000	-	-	145,695,400	5,339,600	3.54%
Sep	133,780,000	124,574,000	263,000	5,595,000	-	-	130,432,000	3,348,000	2.50%
Total (gallons)	917,614,000	810,082,000	2,275,400	32,126,900	2,400,000	0	846,884,300	70,729,700	7.71%

Twelve Month Unaccounted Water % = 7.71%

FY 2019 Surface Water Accountability Report

FY 2019 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	61,236,000	3,087,738	192,000	61,044,000	57,956,262	59,273,000	(1,316,738)
Nov	55,926,000	2,998,442	526,000	55,400,000	52,401,558	54,220,000	(1,818,442)
Dec	52,010,000	3,054,407	609,000	51,401,000	48,346,593	49,945,000	(1,598,407)
Jan	51,684,000	3,086,648	0	51,684,000	48,597,352	50,785,000	(2,187,648)
Feb	49,714,000	2,787,438	2,859,000	46,855,000	44,067,562	45,945,000	(1,877,438)
Mar	58,601,000	3,087,981	5,613,000	52,988,000	49,900,019	51,489,000	(1,588,981)
Apr	68,550,000	2,991,135	2,262,000	66,288,000	63,296,865	64,487,000	(1,190,135)
May	71,878,000	3,090,812	1,000,000	70,878,000	67,787,188	68,200,000	(412,812)
Jun	91,508,000	2,991,343	12,726,000	78,782,000	75,790,657	75,951,000	(160,343)
Jul	129,817,000	3,091,562	10,119,000	119,698,000	116,606,438	117,208,000	(601,562)
Aug	165,808,000	3,092,929	14,425,000	151,383,000	148,290,071	152,280,000	(3,989,929)
Sep	146,398,000	2,994,738	10,233,000	136,165,000	133,170,262	135,019,000	(1,848,738)
Total (Gallons)	1,003,130,000	36,355,173	60,564,000	942,566,000	906,210,827	924,802,000	(18,591,173)

Unaccounted Surface Water %: -2.05%

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 2019 Water Production Accountability Report

FY 2019 Water
Production

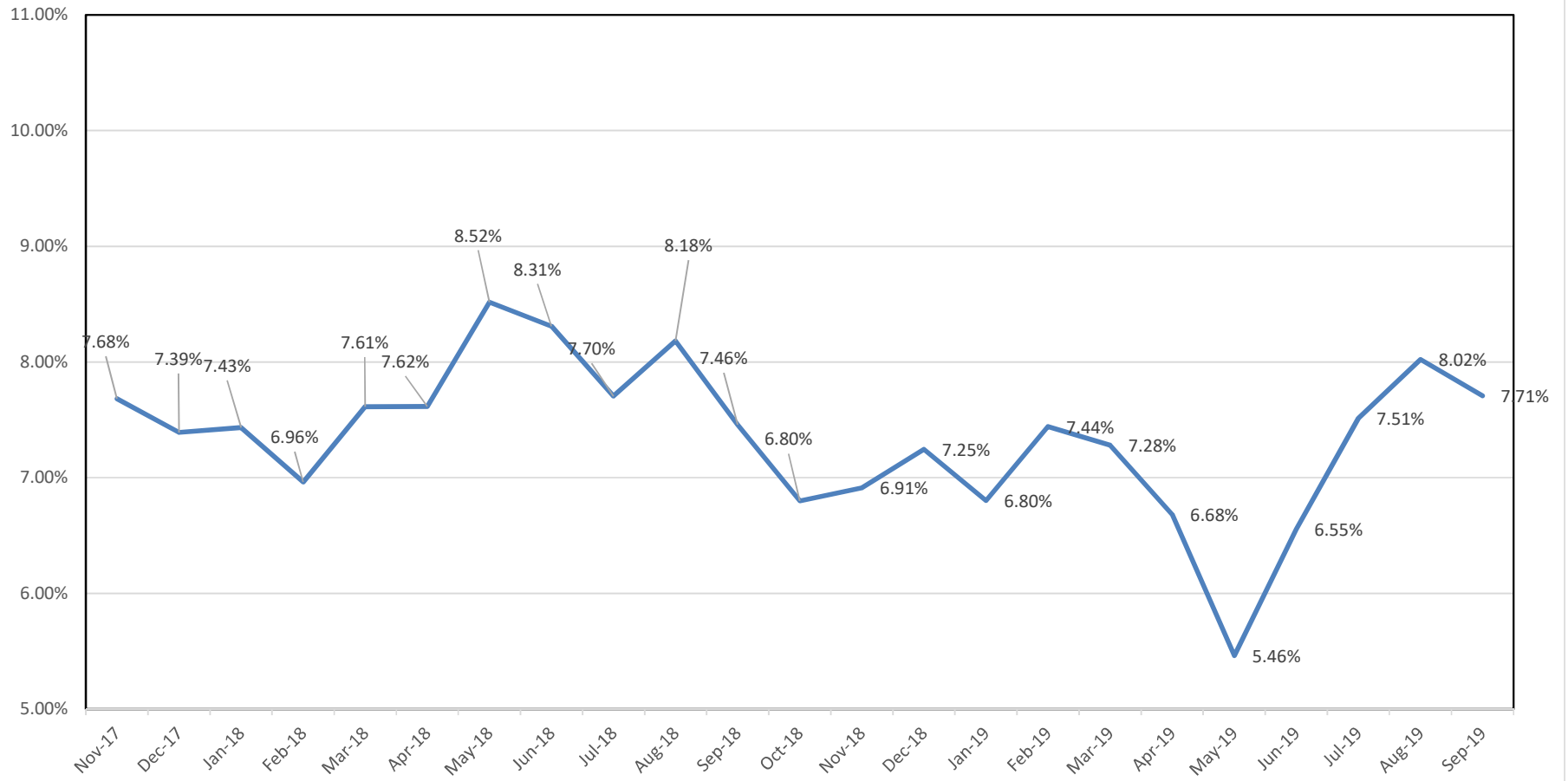
Accountability Report	Surface Water to Plant Pond	Recycled Water to Plant Pond	Well Water to Plant Pond	Total Water to Pond	Pond Loss (Total Water to Pond - Blended Meter)*	Blended Meter to Plant	Blended Water to Plant - Recycle Water	36" Master Meter to Distribution	Production Loss
Oct	59,273,000	3,072,000	1,524,000	63,869,000	1,266,000	62,603,000	59,531,000	59,358,000	173,000
Nov	54,220,000	2,787,000	12,852,000	69,859,000	13,845,000	56,014,000	53,227,000	52,657,000	570,000
Dec	49,945,000	2,701,000	2,659,000	55,305,000	2,119,000	53,186,000	50,485,000	49,539,000	946,000
Jan	50,785,000	2,672,000	1,472,000	54,929,000	1,080,000	53,849,000	51,177,000	49,243,000	1,934,000
Feb	45,945,000	2,398,000	1,509,000	49,852,000	1,068,000	48,784,000	46,386,000	44,311,000	2,075,000
Mar	51,489,000	3,423,000	10,557,000	65,469,000	380,000	65,089,000	61,666,000	59,015,000	2,651,000
Apr	64,487,000	3,676,000	1,595,000	69,758,000	-532,000	70,290,000	66,614,000	63,456,000	3,158,000
May	68,200,000	3,592,000	1,490,000	73,282,000	1,013,000	72,269,000	68,677,000	65,037,000	3,640,000
Jun	75,951,000	4,032,000	1,908,000	81,891,000	-83,000	81,974,000	77,942,000	74,724,000	3,218,000
Jul	117,208,000	6,067,000	1,168,000	124,443,000	2,347,000	122,096,000	116,029,000	115,086,000	943,000
Aug	152,280,000	8,146,000	189,000	160,615,000	978,000	159,637,000	151,491,000	151,035,000	456,000
Sept	135,019,000	7,036,000	160,000	142,215,000	774,000	141,441,000	134,405,000	133,780,000	625,000
Total (Gallons)	924,802,000	49,602,000	37,083,000	1,011,487,000	24,255,000	987,232,000	937,630,000	917,241,000	20,389,000

Water Production Loss %

2.17%

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

12 Months Percentage of Unaccounted for Water



September 2019 Water Loss Report

	FY2019 YTD	FY2018 YTD	FY2017 Total	FY2016 Total
System Input				
Produced Water	917,614,000	983,859,000	968,933,000	952,660,000
Authorized Consumption				
Billed Metered - Residential	610,132,000	674,560,000	667,540,000	644,502,424
Billed Metered - Commercial	136,665,000	142,871,000	143,605,000	153,385,995
<i>District Consumption</i>	63,285,000	53,602,000	53,066,000	43,722,581
Unbilled Unmetered				
<i>Distribution (Treatment) Flushing</i>	2,707,274	2,707,274	2,649,330	2,967,970
<i>Brushy Bend Aqua Sale</i>	32,126,900	32,130,300	27,198,700	150,925
<i>Sam Bass Fire</i>	0	12,500	25,000	7,500
Total Authorized Consumption	844,916,174	905,883,074	894,084,030	844,737,395
Apparent Losses				
Average Meter Inaccuracy	99%	99%	99%	99%
Customer Meter Inaccuracy Loss (99% Accurate)	8,182,646	8,798,313	8,729,404	8,501,121
Unauthorized Consumption	0.25%	0.25%	0.25%	0.25%
Unauthorized Consumption Loss (0.25% per AWWA standards)	1,866,993	2,043,578	2,027,863	1,994,721
	10,049,639	10,841,891	10,757,267	10,495,842
Reported Losses				
Reported Breaks and Leaks	2,400,000	4,564,000	7,000,000	5,115,413
Total Reported Losses	2,400,000	4,564,000	7,000,000	5,115,413
Water Loss	60,248,187	62,570,035	57,091,703	92,311,350
Water Loss Detail *				
Residential Connections	5,490	5,500	5,654	5,641
Commercial Connections	164	158	153	143
District Connections	53	54	49	47
Total Connections	5,707	5,712	5,856	5,831
		* Note FY18 adjusted for BB		
Days	365	365	365	366
Loss Per Connection per Day (Gallons)	29	30	27	43
Estimated Population Served	19,707	19,724	20,248	20,173
Water Loss Per Capita Per Day (Gallons)	8	9	8	13
Total Water Use Per Capita Per Day	117	126	121	114
Financial Indicators				
Cost to produce water per 1,000 gallons	\$1.00	\$1.00	\$1.00	\$1.00
Cost of Apparent Losses	\$10,049.64	\$10,841.89	\$10,757.27	\$10,495.84
Cost of Reported Losses	\$2,400.00	\$4,564.00	\$7,000.00	\$5,115.41
Cost of Water Loss	\$60,248.19	\$62,570.04	\$57,091.70	\$92,311.35