

## FY 2018 Water Distribution Accountability Report

FY 2018	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	86,619,000	71,961,000	206,700	2,543,000	-	-	74,710,700	11,908,300	13.75%
Nov	71,175,000	64,443,000	211,750	2,340,000	3,000,000	-	69,994,750	1,180,250	1.66%
Dec	55,706,000	48,808,000	251,000	1,891,000	-	-	50,950,000	4,756,000	8.54%
Jan	50,460,000	42,364,000	203,000	1,650,100	-	-	44,217,100	6,242,900	12.37%
Feb	46,634,000	44,511,000	217,170	1,710,300	1,364,000	-	47,802,470	(1,168,470)	-2.51%
Mar	60,666,000	47,358,000	202,000	1,708,400	-	12,500	49,280,900	11,385,100	18.77%
Apr	74,798,000	63,192,000	202,500	2,272,600	-	-	65,667,100	9,130,900	12.21%
May	94,868,000	77,804,000	264,500	2,861,100	-	-	80,929,600	13,938,400	14.69%
Jun	113,568,000	106,687,000	252,954	4,027,000	150,000	-	111,116,954	2,451,046	2.16%
Jul	117,510,000	101,463,000	197,500	3,723,000	-	-	105,383,500	12,126,500	10.32%
Aug	133,394,000	128,703,000	266,200	4,683,600	50,000	-	133,752,800	(358,800)	-0.27%
Sep	78,461,000	77,022,000	232,000	2,720,200	-	-	79,974,200	(1,513,200)	-1.93%
<b>Total (gallons)</b>	<b>983,859,000</b>	<b>874,316,000</b>	<b>2,707,274</b>	<b>32,130,300</b>	<b>4,564,000</b>	<b>12,500</b>	<b>913,780,074</b>	<b>70,078,926</b>	<b>7.12%</b>

Total Fiscal Year Unaccounted Water % = 5.98%

## FY 2018 Surface Water Accountability Report

FY 2018 Surface

Water

Accountability

Report

	Lake Raw Water	Wilco Park <sup>1</sup>	Chisholm Trail <sup>2</sup>	Lake - Chisholm	Lake - Wilco - Chisholm	Surface Water to Plant	Unaccounted Surface Water
Oct	93,045,000	3,100,257	5,694,000	87,351,000	84,250,743	85,094,000	(843,257)
Nov	74,700,000	3,000,849	3,321,000	71,379,000	68,378,151	65,581,000	2,797,151
Dec	57,698,000	2,200,289	1,652,000	56,046,000	53,845,711	54,656,000	(810,289)
Jan	50,290,000	800,074	612,000	49,678,000	48,877,926	51,225,000	(2,347,074)
Feb	46,951,000	2,799,219	1,062,000	45,889,000	43,089,781	45,224,000	(2,134,219)
Mar	62,162,000	3,099,968	1,606,000	60,556,000	57,456,032	58,794,000	(1,337,968)
Apr	83,780,000	2,893,809	6,359,000	77,421,000	74,527,191	74,287,000	240,191
May	103,866,000	3,085,790	7,442,000	96,424,000	93,338,210	95,047,000	(1,708,790)
Jun	126,376,000	2,988,298	11,899,000	114,477,000	111,488,702	114,396,000	(2,907,298)
Jul	130,497,000	3,095,738	13,871,000	116,626,000	113,530,262	116,917,000	(3,386,738)
Aug	148,688,000	3,088,644	14,782,000	133,906,000	130,817,356	134,660,000	(3,842,644)
Sep	82,838,000	2,988,399	4,253,000	78,585,000	75,596,601	77,914,000	(2,317,399)
<b>Total (Gallons)</b>	<b>1,060,891,000</b>	<b>33,141,334</b>	<b>72,553,000</b>	<b>988,338,000</b>	<b>955,196,666</b>	<b>973,795,000</b>	<b>(18,598,334)</b>

Unaccounted Surface Water %: -1.95%

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 2018 Water Production Accountability Report

FY 2018 Water

Production

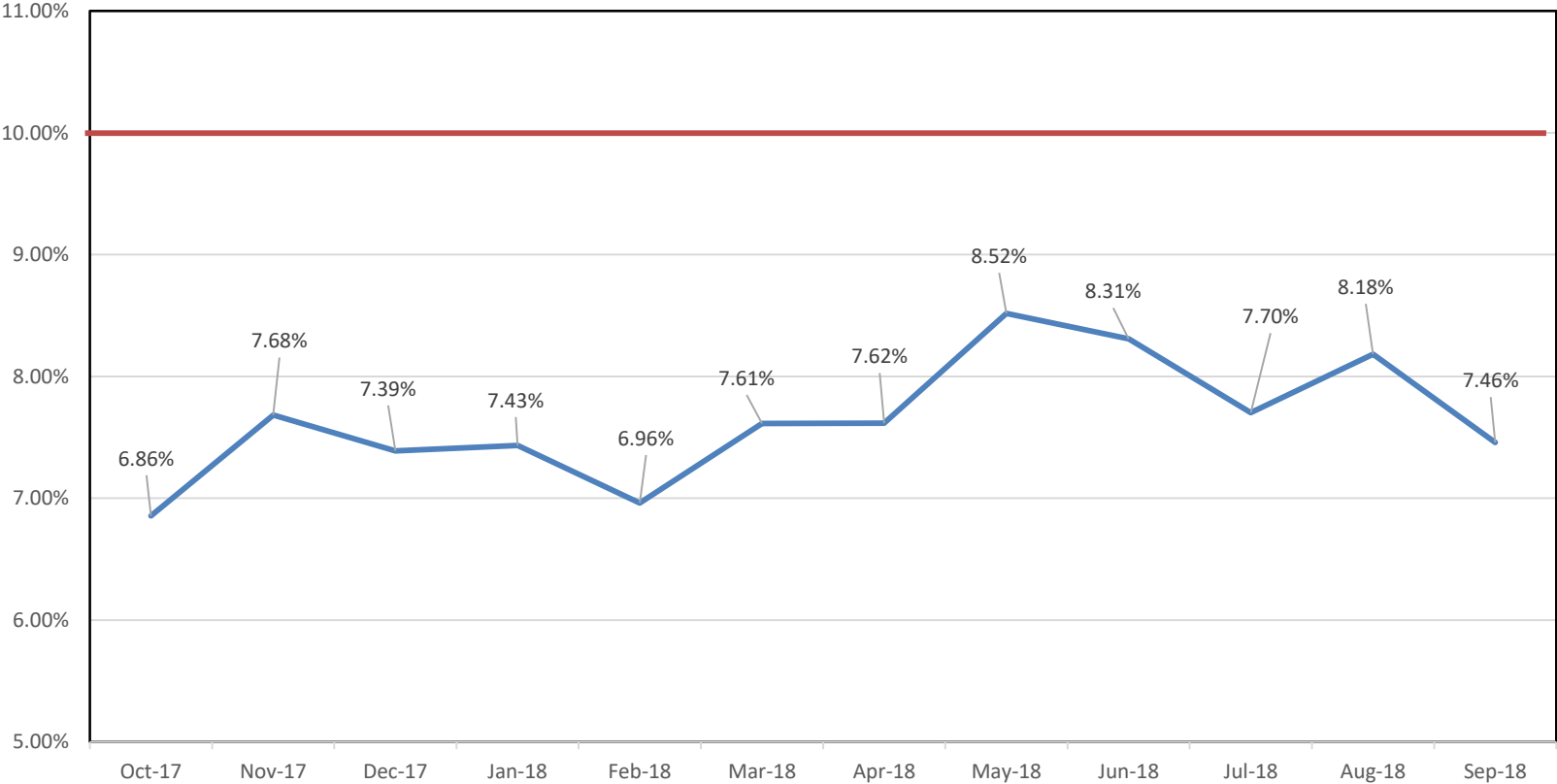
Accountability Report	Surface Water to Plant Pond	Recycled Water to Plant Pond	Well Water to Plant Pond	Total Water to Pond	Pond Loss (Total Water to Pond - Blended Meter)*	Blended Meter to Plant	Blended Water to Plant - Recycle Water	36" Master Meter to Distribution	Production Loss
Oct	85,094,000	6,066,000	4,124,000	94,484,000	1,503,000	93,781,000	87,715,000	86,619,000	1,096,000
Nov	65,581,000	5,349,000	4,808,000	75,738,000	-1,241,000	76,979,000	71,630,000	71,175,000	455,000
Dec	54,656,000	4,181,000	3,428,000	62,265,000	1,264,000	61,001,000	56,820,000	55,706,000	1,114,000
Jan	51,225,000	3,913,000	3,520,000	58,658,000	3,085,000	55,573,000	51,660,000	50,460,000	1,200,000
Feb	45,224,000	3,843,000	3,385,000	52,452,000	1,365,000	51,087,000	47,244,000	46,634,000	610,000
Mar	58,794,000	4,214,000	4,548,000	67,556,000	640,000	66,916,000	62,702,000	60,666,000	2,036,000
Apr	74,287,000	4,256,000	5,130,000	83,673,000	3,419,000	80,254,000	75,998,000	74,798,000	1,200,000
May	95,047,000	5,480,000	3,475,000	104,002,000	1,988,000	102,014,000	96,534,000	94,868,000	1,666,000
Jun	114,396,000	6,429,000	1,471,000	122,296,000	1,549,000	120,747,000	114,318,000	113,568,000	750,000
Jul	116,917,000	5,894,000	3,419,000	126,230,000	-602,000	126,832,000	120,938,000	117,510,000	3,428,000
Aug	134,660,000	6,888,000	2,967,000	144,515,000	2,014,000	142,501,000	135,613,000	133,394,000	2,219,000
Sept	77,914,000	4,146,000	2,540,000	84,600,000	1,994,000	82,606,000	78,460,000	78,461,000	-1,000
<b>Total (Gallons)</b>	<b>973,795,000</b>	<b>60,659,000</b>	<b>42,815,000</b>	<b>1,076,469,000</b>	<b>16,978,000</b>	<b>1,060,291,000</b>	<b>999,632,000</b>	<b>983,859,000</b>	<b>15,773,000</b>

Water Production Loss %

1.58%

\*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 2018 Water Loss Report**

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