

## City of Flagstaff Water Management Summary 2017

### A. WATER PRODUCTION

<b>I. C Aquifer Groundwater</b>	<b>5,921 AF</b>	<i>(58% of Total Water Produced)</i>
Lake Mary wells*	1,129 AF	<i>(73% of Total Potable Produced)</i>
Woody Mtn wells*	2,178 AF	
Local wells	2,614 AF	
<b>II. Upper Lake Mary Surface Water*</b>	<b>1,776 AF</b>	<i>(17% of Total Water Produced)</i>
		<i>(22% of Total Potable Produced)</i>

<b>III. Inner Basin Water</b>	<b>368 AF</b>	<i>(4% of Total Water Produced)</i>
Inner Basin wells	0 AF	<i>(5% of Total Potable Produced)</i>
Inner Basin spring water	368 AF	

**2017 TOTAL POTABLE PRODUCED 8,065 AF**

<b>III. Reclaimed water (direct delivered)</b>	<b>1,860 AF</b>	<i>(21% of Total Water Produced)</i>
Golf Courses	926 AF	<i>(Pine Canyon 288 AF; Continental 638 AF)</i>
Manufacturing	141 AF	
Municipal parks, schools	137 AF	
Commercial	105 AF	
Northern AZ University	144 AF	
Construction	77 AF	<i>(reclaimed hydrant meters &amp; standpipes)</i>
Residential	1 AF	
Snowbowl	329 AF	<i>(427 AF Nov '17– Feb '18 ski season)</i>
Discharged to Rio de Flag	4,517 AF	<i>(not included in total)</i>

**2017 TOTAL WATER PRODUCED 10,254 AF**

### B. POTABLE WATER USED

<b>I. Residential</b>	<b>4,153 AF (56 %)</b>
Single-Family	2,471 AF <i>(15,163 household meters)</i>
Multi-Family	1,682 AF <i>(3,104 multi-family meters)</i>
<b>II. Non-Residential</b>	<b>3,250 AF (44 %)</b>
Commercial	1,952 AF <i>(2,042 non-residential meters)</i>
Manufacturing	267 AF
Landscape/Lawn	260 AF
Northern AZ University	551 AF
Standpipe	220 AF

**2017 TOTAL WATER BILLED 7,403 AF**

### C. NON-REVENUE (L & U) WATER [produced – billed/produced]: 662 AF or 8%

Water main flushing	9 AF
System leaks detected and repaired	163 AF
Other	490 AF <i>(i.e., system flushing, uncalibrated production meters)</i>

### D. AVERAGE WATER USE 91 Total GPCD or 145 GPHD

- I. Gallons per Capita per Day (gpcd) is the potable water used in gallons / 72,961 population  
 Residential = 51 gpcd & Non-Residential = 40 gpcd = 91 Total gpcd (does not include Non-Revenue)  
 Total - 99 gpcd (includes Non-Revenue)
- II. Single Family Residential Water Use: 0.16 AF/house/year or 145 gallons/house/day (GPHD)  
 [2,471 AF/15,163] (does not include non-revenue water)

\* Annual volume equal to ending meter totalizer read on December 31, 2017 minus the beginning meter totalizer read on January 1<sup>st</sup>, 2017

