

WATER CONSUMPTION REPORT - 2019

WATER VOLUME ENTERING DISTRIBUTION SYSTEM

	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Totals
1 A. Total Volume Produced													
Total Volume Produced Well #1	1,162,400	1,018,600	517,800	607,800	709,700	1,256,700	1,313,400	727,000	452,500	0	0	0	7,765,900
Total Volume Produced Well #2	0	0	7,000	1,100	100	3,600	0	1,900	0	0	0	0	13,700
Total Volume Produced Well #3a	740,800	0	127,800	0	500	0	100	800	0	0	0	0	870,000
Total Volume Produced Well #3b	1,647,700	1,625,500	2,712,100	945,500	1,011,900	1,971,900	2,588,900	4,573,600	2,279,800	0	0	0	19,356,900
Total Volume Produced Well #4	1,144,800	1,121,500	703,100	581,600	1,746,900	1,377,200	1,005,200	868,900	1,023,400	0	0	0	9,572,600
Total Volume Produced Well #5	159,100	1,697,700	1,375,100	2,202,200	2,655,100	2,260,600	2,453,700	1,018,400	1,294,100	0	0	0	15,116,000
Total Volume Produced Well #6	1,518,600	1,133,700	269,200	345,300	377,000	815,800	1,339,400	1,200,800	2,024,800	0	0	0	9,024,600
1 B. Total Volume Purchased	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1. Total Water Produced All Sources:	6,373,400	6,597,000	5,712,100	4,883,500	6,501,200	7,685,800	8,700,700	8,391,400	7,074,600	0	0	0	61,719,700
TOTAL VOLUME CONSUMED													
2 A. Water Volume Metered													
(Billed and Unbilled)	4,277,642	3,747,514	3,542,586	3,959,676	6,095,907	7,173,077	8,291,601	7,040,478	4,899,504				49,027,985
2 C. Estimated Authorized Uses (may be billed or unbilled)													
Utility Flushing and Tank Cleaning	2,900		7,000	1,100	1,100	4,000	1,900						18,000
Firefighting and Training													0
Storm or Sewer Cleaning / Street Sweep													0
Other:													0
2. Total Authorized Consumption	4,280,542	3,747,514	3,549,586	3,960,776	6,097,007	7,177,077	8,291,601	7,042,378	4,899,504	0	0	0	49,045,985

Total Volume DSL	2,092,858	2,849,486	2,162,514	722,724	404,193	508,723	409,099	1,349,022	2,175,096	0	0	0	12,673,715
Percent DSL	32.8%	43.2%	37.9%	15.4%	6.2%	6.6%	4.7%	16.1%	30.7%				

Year to Date Total DSL: 20.5%

Compliance with leakage standard is based on a 3-year average from last three submitted years
 Next years 3 year average based on current data
 5.3%
 9.8%

Water Rights Data	Right (acft/yr)	% of total	Total	Acres-feet used	%Water right used	W/R allocated (AFY)	W/R allocated (%)	MIFR (Q)	GP/M
5586-A (G2-08049) AHA-974 S05 Well #1	117	16.7%	7,765,900	23.8	20.4%	23.8	3.4%	100	100
5587-A AHA-978 S02 Well #2	166	23.7%	13,700	0.0	0.0%	74.1	10.6%	200	200
5888-A (G2-08834) AHA-976 S03 Well #3A	84	12.0%	870,000	2.7	3.2%	2.7	0.4%	100	100
APF G2-29483 AHA-975 S06 Well #3B	254	36.3%	19,356,900	59.4	23.4%	210	0.0%	210	210
7012-A (G2-09889) AHA-973 S04 Well #4	79	11.3%	9,572,600	29.4	37.2%	29.4	4.2%	100	100
G2-27215 AHA-977 S07 Well #5*	152	15.0%	15,116,000	46.4	30.5%	200	0.0%	190	190
G2-27443 S08 Well #6*	160	15.8%	9,024,600	27.7	17.3%	200	0.0%	200	200
Total AFY without supplementals	700	130.8%	61,719,700	189.4	27.1%	130.0	18.6%	710	710
Total*	1,012							1100	

Electrical Usage in Kwh

	Jan-18	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Total
Well #1	3,375	3,040	1,728	1,567	1,450	2,435	2,571	1,492	988				18,616
Well #2	552	1,069	800	174	112	113	99	95	143				3,157
Well #3	7,326	2,254	3,485	3,134	3,932	4,834	4,516	10,257	7,082				48,820
Well #4	3,044	3,168	2,131	1,489	4,264	3,313	2,422	2,140	2,531				24,502
Well #5	933	4,142	4,429	4,429	5,307	4,428	4,765	3,462	4,422				35,179
Well #6	6,892	5,178	2,131	2,449	2,398	3,740	5,604	5,216	8,106				41,714
total:	22,122	18,851	13,566	13,242	17,463	18,863	19,977	22,662	23,242	0	0	0	169,988

Gallons Per Kwh

	Jan-18	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Total
Well #1	344	335	300	388	489	516	511	487	472				427
Well #2	0	0	9	6	1	32	0	20	0				8
Well #3	326	721	815	302	257	408	573	446	322				463
Well #4	376	354	330	391	410	416	415	406	404				389
Well #5	171	410	418	497	500	511	515	294	293				401
Well #6	220	219	126	141	157	218	239	230	250				200
total:	288	350	421	354	372	407	436	370	304	0	0	0	363

AVG Gall/Kwh combined =

Historical Data

	Pumped	Sold	Loss
2010	69,790,309	66,840,300	4.2%
2011	60,958,882	56,483,665	7.3%
2012	56,874,086	53,685,498	5.6%
2013	56,859,563	54,275,297	4.5%
2014	62,649,611	60,973,228	2.7%
2015	66,109,416	61,749,171	6.6%
2016	66,784,811	62,157,037	6.9%
2017	64,963,044	62,010,322	4.5%
2018	67,149,235	64,162,480	4.4%
2019	61,719,700	49,045,965	20.5%

Updated March 7, 2019 per Water Use Efficiency Guide Book Third Edition (Jan. 2017) per WSDOH Division of Environmental Health Office of Drinking Water Pub. DOH 331-375

Distribution System Leakage Notes: January and February estimated authorized consumption from an un-reported issue with a customer water pressure issue. Found a 1" poly had become seperated at the outlet of the backflow assembly. Customer stated he had low pressure since the end of December 2018. Several attempts were made to locate the cause of an incredible leak. March: found a 2 inch crack 1/4" wide on a service connection @ Stirling court & Saint Andrews. April: repaired a 1-inch split @ 2671 E. Saint Andrews Drive, leak repaired on shetland road from service connection in ditchline.