

WATER OPERATIONS SUMMARY FOR MARCH 2018

April 4, 2018

General Operations

During the month of March, the North Well operated for approximately 6 days in between March 14 and March 26. The average flow rate was approximately 284 gpm. Static water level before any pumping was 350.2 feet above well pump. Based on last well pumping cycle in March, it took 5 days for the static water level to recover back to 350.2 feet. The North Well static water level has remained consistent at 333.4 feet above well pump for the entirety of the month indicating no impact from the South Well at this time.

Steve Hocker with Aurora Water Meter Maintenance has reached out to TZA to perform the yearly meter calibration checks on the North Well, South Well and WISE flow meters. Calibration should take place sometime in April. Steve will notify TZA prior to calibration and will provide status reports once complete.

Action Items

Aurora Water Raw Water Pipeline

Date	Status Update
3-30-18	TZA participated in a site visit coordinated by Carollo Engineers. The Gun Club pump station, Saddle Rock Golf Course and EBMD vaults were visited. TZA provided answers as necessary to Carrollo. Next meeting is at HEB on April 13.

Installation of HEB Irrigation Flow Monitoring

Date	Status Update
3-30-18	Browns Hill is attempting to log into HEB FlowTronex irrigation control system during the week of April 9 in attempts to access the PLC. Access will allow Browns Hill to program the system to output an irrigation flow signal to the Mission Communication system for remote flow monitoring and totalizing. This will allow the District to forecast irrigation water demand more accurately.

HEB Stilling Well Transducer Signal Fix

Date	Status Update
3-30-18	The level transducer provides pond level readings to the Mission Communications system. The Mission unit reports skewed level readings each time an irrigation pump is running. Browns Hill suspects the transducer is affected by being located directly in the middle of all three irrigation pumps. Browns Hill/TZA will relocate the transducer in attempt to fix the skewed readings.

Utility Notification Center of Colorado (UNCC)

In the month of March, TZA has responded to 29 utility locate tickets.

Water Usage

PLEASE NOTE: This section is current through April 4, 2018. An updated draft will be sent once invoices are received for the month of November. Water Usage data is collected from invoices received from Xcel Energy and

Aurora Water. For historical water usage, please refer to Table 1 as well as Figure 1 and Figure 2. For monthly water usage and billing for 2018, refer to Table 2.

Table 1 – Historic Annual Water Usage, to Date

Year	North Well		South Well		ECCV Line, Buchanan Tap, Aurora Pkwy Tap		Total
	kgal	%	kgal	%	kgal	%	kgal
2011	29,408	37	38,888	48	12,273	15	80,569
2012	25,416	28	55,493	61	10,368	11	91,277
2013	26,223	38	38,791	55	4,982	7	69,996
2014	18,472	33	33,808	60	4,036	7	56,316
2015	20,510	30	37,999	57	8,650	13	67,159
2016	21,569	25	55,478	63	10,824	12	87,871
2017	21,277	31	33,884	49	14,097	20	69,258
2018	0		0		0		0
Average (2010-2017)	23,268	32	42,049	56	9,319	12	74,635

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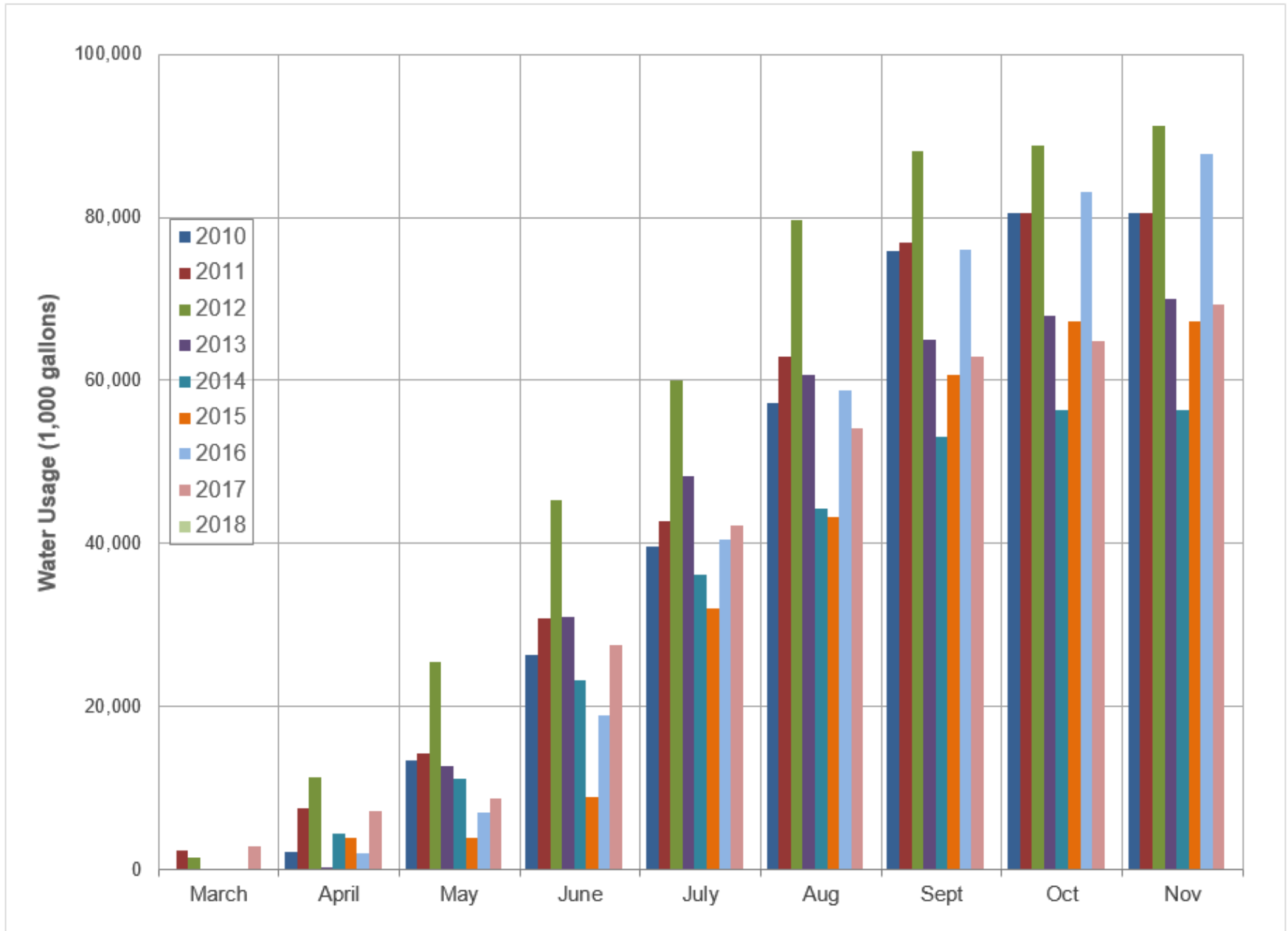


Figure 1 – Current and Historic Cumulative Annual Water Usage (2010- Feb 2018)

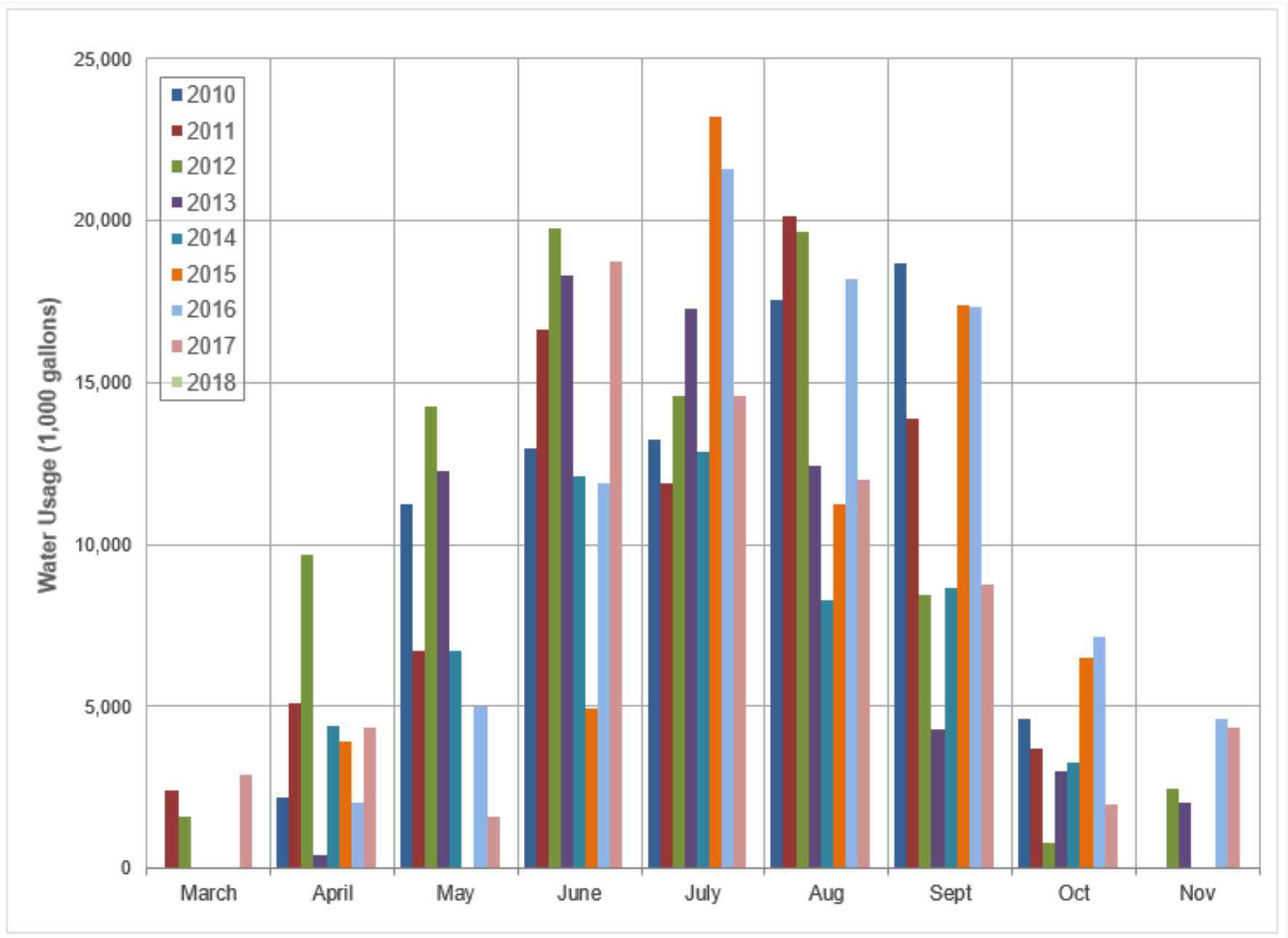


Figure 2 – Current and Historic Monthly Water Usage (2010-Feb 2018)

Table 2 – Monthly water usage and billing for Eagle Bend Metro January - February 2018

Eagle Bend Water and Energy Utilities (2018) - through Feb 2018														
Service Month (nominal)	Initial	January	February	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	YTD
Meter Reads														
North Well	7,292	7,292	7,292											
South Well	12,031	12,031	12,031											
ECCV		9,695	9,695											
Aurora (Buchanan Way)	25,297	25,297	25,297											
Aurora (Aurora Pky)	5,484	5,484	5,484											
kgal														
North Well		0	0											0
South Well		0	0											0
ECCV		0	0											0
Aurora (Buchanan Way)		0	0											0
Aurora (Aurora Pky)		0	0											0
Total - kgal		0	0											0
Total - af		0.0	0.0											0.0
COA Billing*														
* Late fees not included														
North Well	\$0.00	\$0.00	\$0.00											\$0.00
South Well	\$0.00	\$0.00	\$0.00											\$0.00
ECCV	\$0.00	\$0.00	\$0.00											\$0.00
Aurora (Buchanan Way)	\$0.00	\$65.82	\$65.82											\$131.64
Aurora (Aurora Pky)	\$0.00	\$17.07	\$17.07											\$34.14
Total	\$0.00	\$82.89	\$82.89											\$165.78
Xcel Energy Billing														
North Well	\$0.00	\$401.89	\$399.15											\$801.04
South Well	\$0.00	\$535.80	\$541.27											\$1,077.07
Total	\$0.00	\$937.69	\$940.42											\$1,878.11
Xcel \$/kgal (approx., some time lag)														
North Well	\$0.00	-	-											-
South Well	\$0.00	-	-											-
Combined	\$0.00	-	-											-
HOA Billing	\$0.00	\$0.00	\$0.00											\$0.00
Net to District	\$0.00	-	-											\$0.00
Credit towards ECCV SL	\$0.00	\$0.00	\$0.00											\$0.00