



Hannah Ridge Filing #7 - Water Sufficiency

Jonathon Smith <jsmith@cherokeemetro.org>
To: "Kate Fuller (kathleen.fuller@state.co.us)" <kathleen.fuller@state.co.us>

Sat, Jan 12, 2019 at 8:48 AM

Good morning Kate,

I wanted to discuss the water sufficiency for Hannah Ridge Filing #7. The original agreements allotted 0.42 acre-feet of water per year which was based on the best information available at that time. An engineering report by Forsgren Associates in 2016, which was supported and approved by the State Engineer's Office, found that a conservative estimate of water used by single family homes in the District was 0.31 acre-feet per year. This falls in line with the *Guide to Colorado Well Permits, Water Rights, and Water Administration*. My question for you, is it possible for me to revise the water commitment letters based on the allotment of 0.31 acre-feet per year? I have some data below that shows the difference between the two allotments. Feel free to give me a call to discuss once you have had a chance to review the following information. Thank you. Enjoy your weekend!

The following data is based off of 0.42 acre-feet of water per year.

Filing	Single Family Residential		Parks and Open Space		0.42 acre-feet of water per year		
	Number of Lots	Demand (acre-feet)	Number of Acres	Demand (acre-feet)	Filing Total Demand (acre-feet)	Subdivision Total Demand (acre-feet)	Remaining Balance of Subdivision (acre-feet)
							136.50
1	45	18.90	0.50	1.05	19.95	19.95	116.55
2	39	16.38	0.00	0.00	16.38	36.33	100.17
3	39	16.38	1.05	2.73	19.11	55.44	81.06
4	52	21.84	0.00	0.00	21.84	77.28	59.22
5	55	22.88	1.32	3.43	26.31	103.59	32.91
6	33	13.86	1.47	3.82	17.68	121.27	15.23
7	81	34.02	0.00	0.00	34.02	155.29	-18.79
Shops	1	1.68	0.00	0.00	1.68	156.97	-20.47
CMD Water	2	0.62	-	-	-0.62	-0.62	-19.85

The following data is based off of 0.31 acre-feet of water per year.

	Single Family Residential		Parks and Open Space		0.31 acre-feet of water per year		
Filing	Number of Lots	Demand (acre-feet)	Number of Acres	Demand (acre-feet)	Filing Total Demand (acre-feet)	Subdivision Total Demand (acre-feet)	Remaining Balance of Subdivision (acre-feet)
							136.50
1	45	13.95	0.50	1.05	15.00	15.00	121.50
2	39	12.09	0.00	0.00	12.09	27.09	109.41
3	39	12.09	1.05	2.73	14.82	41.91	94.59
4	52	16.12	0.00	0.00	16.12	58.03	78.47
5	55	17.05	1.32	3.43	20.48	78.51	57.99
6	33	10.23	1.47	3.82	14.05	92.56	43.94
7	81	25.11	0.00	0.00	25.11	117.67	18.83
Shops	1	1.68	0.00	0.00	1.68	119.35	17.15
CMD Water	2	0.62	-	-	-0.62	-0.62	17.77

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