

Town of Purcellville
Weekly Water Demand Report
 08/08/2016 - 08/14/2016

Day	Date	Main St. Complex	Forbes	Cornwell	Hirst	Mtn View	Marsh Well	Total Wells Production	Water Plant	TOTAL Production	Jefferies Well	Jefferies % of WTP	In-Service Capacity
Mon	8/8	87,500	29,975	54,267	0	36,900	88,500	297,142	217,700	514,842	36,800	16.9%	61.1%
Tue	8/9	107,500	36,655	66,173	0	36,500	80,800	327,628	228,600	556,228	38,700	16.9%	66.0%
Wed	8/10	103,900	35,743	64,278	0	36,400	84,400	324,721	243,600	568,321	41,500	17.0%	67.4%
Thu	8/11	98,100	32,522	59,206	0	28,500	102,900	321,228	332,200	653,428	52,400	15.8%	77.5%
Fri	8/12	85,800	32,811	59,145	0	30,700	55,400	263,856	286,800	550,656	42,000	14.6%	65.3%
Sat	8/13	99,600	29,628	67,623	0	0	86,100	282,951	242,000	524,951	42,200	17.4%	62.3%
Sun	8/14	101,800	45,493	67,836	0	0	76,600	291,729	226,800	518,529	41,100	18.1%	61.5%
Weekly Total		684,200	242,827	438,528	0	169,000	574,700	2,109,255	1,777,700	3,886,955	294,700		
Daily Avg's		97,743	34,690	62,647	0	24,143	82,100	301,322	253,957	555,279	42,100	16.6%	65.9%
Weekly Max's		107,500	45,493	67,836	0	36,900	102,900	327,628	332,200	653,428	52,400	18.1%	77.5%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	301,322	211,857	253,957	555,279	28,237,016

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	8/8	5.00	4.50	
Tue	8/9	5.00	4.44	
Wed	8/10	5.00	4.40	
Thu	8/11	4.98	4.36	
Fri	8/12	4.92	4.28	
Sat	8/13	4.88	4.20	0.03
Sun	8/14	4.80	4.12	
Weekly Total				0.03

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	111.19
Based on Current Daily Average WTP Production Using Jefferies	133.28
Based on Current (Permitted) Maximum Reservoir Safe Yield	94.12

Bulk Water Usage

Date	
8/8	32,300 Bulk Water Sales
8/9	
8/10	
8/11	25,500 Bulk Water Sales
8/12	
8/13	
8/14	
Total	57,800

Notes: Approximately 4,500 gallons were flushed from the hydrant on Queenscliff Court on Thursday, August 11, 2016.

Exceeds safe yield or permitted capacity