

Town of Purcellville
Weekly Water Demand Report
 08/01/2016 - 08/07/2016

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	8/1	97,800	32,098	57,655	0	29,200	83,100	299,853	223,600	523,453	35,000	15.7%	62.1%
Tue	8/2	109,000	36,717	65,906	0	28,800	80,700	321,123	208,200	529,323	33,600	16.1%	62.8%
Wed	8/3	102,300	33,508	60,543	0	26,900	68,800	292,051	224,100	516,151	37,200	16.6%	61.2%
Thu	8/4	105,100	37,828	68,079	0	35,700	72,300	319,007	248,700	567,707	43,900	17.7%	67.3%
Fri	8/5	95,000	31,924	57,749	0	39,100	74,800	298,573	243,200	541,773	39,900	16.4%	64.3%
Sat	8/6	99,900	38,712	69,717	0	0	78,800	287,129	229,000	516,129	38,700	16.9%	61.2%
Sun	8/7	100,900	35,119	63,123	0	0	81,200	280,342	211,100	491,442	33,000	15.6%	58.3%
Weekly Total		710,000	245,906	442,772	0	159,700	539,700	2,098,078	1,587,900	3,685,978	261,300		
Daily Avg's		101,429	35,129	63,253	0	22,814	77,100	299,725	226,843	526,568	37,329	16.5%	62.5%
Weekly Max's		109,000	38,712	69,717	0	39,100	83,100	321,123	248,700	567,707	43,900	17.7%	67.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	299,725	189,514	226,843	526,568	29,512,354

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	8/1	5.09	4.98	0.42
Tue	8/2	5.18	4.72	
Wed	8/3	5.17	4.69	
Thu	8/4	5.14	4.66	
Fri	8/5	5.10	4.60	
Sat	8/6	5.08	4.58	0.02
Sun	8/7	5.08	4.58	0.08
Weekly Total				0.52

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **130.10**

Based on Current Daily Average WTP Production Using Jefferies **155.73**

Based on Current (Permitted) Maximum Reservoir Safe Yield **98.37**

Bulk Water Usage

Date	
8/1	
8/2	
8/3	31,100 Bulk Water Sales
8/4	17,700 Bulk Water Sales
8/5	42,600 Bulk Water Sales
8/6	
8/7	
Total	91,400

Notes: Fire department used approximately 3,000 gallons on Monday, August 1, 2016.

Exceeds safe yield or permitted capacity