

Town of Purcellville
Weekly Water Demand Report
 02/08/2016- 02/14/2016

Notes:

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	2/8	97,000	26,674	39,695	0	26,700	83,000	273,069	265,900	538,969	0	0.0%	63.9%
Tue	2/9	102,700	24,826	43,829	0	29,000	55,800	256,155	176,100	432,255	0	0.0%	51.3%
Wed	2/10	115,800	29,506	50,143	0	42,100	74,400	311,949	255,800	567,749	0	0.0%	67.3%
Thu	2/11	95,700	23,675	36,942	0	22,700	57,300	236,317	187,000	423,317	0	0.0%	50.2%
Fri	2/12	94,300	25,321	41,829	0	30,400	65,100	256,950	271,600	528,550	0	0.0%	62.7%
Sat	2/13	104,500	30,008	48,173	0	0	54,500	237,181	243,600	480,781	0	0.0%	57.0%
Sun	2/14	106,800	41,991	48,712	0	0	60,400	257,903	269,000	526,903	0	0.0%	62.5%
Weekly Total		716,800	202,001	309,323	0	150,900	450,500	1,829,524	1,669,000	3,498,524	0		
Daily Avg's		102,400	28,857	44,189	0	21,557	64,357	261,361	238,429	499,789	0	0.0%	59.3%
Weekly Max's		115,800	41,991	50,143	0	42,100	83,000	311,949	271,600	567,749	0	0.0%	67.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	261,361	238,429	238,429	499,789	31,077,361

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	2/8	5.52	5.26	
Tue	2/9	5.50	5.28	0.38
Wed	2/10	5.50	5.26	
Thu	2/11	5.40	5.20	
Fri	2/12	5.40	5.20	
Sat	2/13	5.40	5.20	
Sun	2/14	5.40	5.20	
Weekly Total				0.38

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **130.34**

Based on Current Daily Average WTP Production Using Jefferies **130.34**

Based on Current (Permitted) Maximum Reservoir Safe Yield **103.59**

Unusual Usage		
Date		
2/8	7,400	Bulk Water Sales
2/9		
2/10	6,800	Bulk Water Sales
2/11	7,600	Bulk Water Sales
2/12	6,800	Bulk Water Sales
2/13	3,500	Bulk Water Sales
2/14		
Total	32,100	