

Town of Purcellville
Weekly Water Demand Report
 1/01/2018- 1/07/2018

Notes:

A water line break reported on a 4-inch line on 1/1/18. Leak was repaired the same day.

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	1/1	120,200	28,306	51,169	0	13,600	63,600	276,875	267,200	544,075	37,800	14.1%	63.7%
Tue	1/2	119,900	34,734	63,251	0	25,200	69,900	312,985	222,400	535,385	36,500	16.4%	62.7%
Wed	1/3	128,900	28,813	52,086	0	17,800	82,700	310,299	371,000	681,299	49,100	13.2%	79.8%
Thu	1/4	131,100	30,810	60,265	0	20,100	63,200	305,475	228,000	533,475	30,900	13.6%	62.5%
Fri	1/5	124,900	31,811	52,871	0	24,100	63,300	296,982	273,000	569,982	36,900	13.5%	66.7%
Sat	1/6	138,200	37,230	67,283	0	24,800	64,300	331,813	210,000	541,813	29,200	13.9%	63.4%
Sun	1/7	131,500	32,282	58,252	0	23,300	74,400	319,734	235,200	554,934	32,400	13.8%	65.0%
Weekly Total		894,700	223,986	405,177	0	148,900	481,400	2,154,163	1,806,800	3,960,963	252,800		
Daily Avg's		127,814	31,998	57,882	0	21,271	68,771	307,738	258,114	565,852	36,114	14.0%	66.3%
Weekly Max's		138,200	37,230	67,283	0	25,200	82,700	331,813	371,000	681,299	49,100	16.4%	79.8%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	307,738	222,000	258,114	565,852	25,855,771

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	1/1	4.08	3.66	
Tue	1/2	4.14	3.70	
Wed	1/3	4.14	3.70	
Thu	1/4	4.14	3.68	
Fri	1/5	4.14	3.68	
Sat	1/6	4.14	3.65	
Sun	1/7	4.10	3.60	
Weekly Total		■ ■ ■ ■	■ ■ ■ ■	0.00

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	100.17
Based on Current Daily Average WTP Production Using Jefferies	116.47
Based on Current (Permitted) Maximum Reservoir Safe Yield	86.19

Bulk Water Usage

Date	
1/1	
1/2	
1/3	
1/4	
1/5	
1/6	
1/7	
Total	0 ■ ■ ■ ■ ■ ■ ■ ■

Exceeds safe yield or permitted capacity