

Town of Purcellville
Weekly Water Demand Report
 6/18/2018- 06/24/2018

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	6/18	108,776	27,672	56,835	0	23,400	86,500	303,183	361,800	664,983	0	0.0%	77.9%
Tue	6/19	97,832	31,966	62,827	0	24,000	86,900	303,525	298,000	601,525	0	0.0%	70.4%
Wed	6/20	106,200	29,955	59,349	0	23,400	57,400	276,304	281,100	557,404	0	0.0%	65.3%
Thu	6/21	88,624	29,789	58,216	0	23,500	77,300	277,429	294,900	572,329	0	0.0%	67.0%
Fri	6/22	96,415	32,138	62,416	0	28,900	29,000	248,869	281,000	529,869	0	0.0%	62.0%
Sat	6/23	73,537	35,519	68,417	0	28,200	64,000	269,673	188,000	457,673	0	0.0%	53.6%
Sun	6/24	106,816	33,338	64,090	0	24,400	64,000	292,644	207,900	500,544	0	0.0%	58.6%
Weekly Total		678,200	220,377	432,150	0	175,800	465,100	1,971,627	1,912,700	3,884,327	0		77.9%
Daily Avg's		96,886	31,482	61,736	0	25,114	66,443	281,661	273,243	554,904	0	0.0%	65.0%
Weekly Max's		108,776	35,519	68,417	0	28,900	86,900	303,525	361,800	664,983	0	0.0%	77.9%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	281,661	273,243	273,243	554,904	31,281,657

Day	Date	Front Lake (5.6' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	6/18	5.80	4.92	
Tue	6/19	5.80	4.90	0.25
Wed	6/20	5.79	4.88	
Thu	6/21	5.76	4.92	0.50
Fri	6/22	5.75	4.90	0.25
Sat	6/23	5.82	5.00	1.10
Sun	6/24	5.86	5.00	1.22
Weekly Total				3.32

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	114.48
Based on Current Daily Average WTP Production Using Jefferies	114.48
Based on Current (Permitted) Maximum Reservoir Safe Yield	104.27

Bulk Water Usage

Date	
6/18	
6/19	
6/20	
6/21	
6/22	
6/23	
6/24	
Total	0

Exceeds safe yield or permitted capacity