

Town of Purcellville
Weekly Water Demand Report
 07/04/2016 - 07/10/2016

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	7/4	103,400	35,650	62,492	0	0	56,000	257,542	211,000	468,542	0	0.0%	55.6%
Tue	7/5	109,900	35,511	62,110	0	27,600	50,500	285,621	269,200	554,821	0	0.0%	65.8%
Wed	7/6	118,600	39,360	68,715	0	30,000	51,400	308,075	295,700	603,775	0	0.0%	71.6%
Thu	7/7	99,700	28,573	50,312	0	28,000	52,000	258,585	296,000	554,585	0	0.0%	65.8%
Fri	7/8	110,100	37,727	66,178	0	28,500	51,400	293,905	262,500	556,405	0	0.0%	66.0%
Sat	7/9	112,200	38,621	67,700	0	11,700	51,100	281,321	220,900	502,221	0	0.0%	59.6%
Sun	7/10	106,800	36,127	63,820	0	0	66,400	273,147	242,700	515,847	0	0.0%	61.2%
Weekly Total		760,700	251,569	441,327	0	125,800	378,800	1,958,196	1,798,000	3,756,196	0	0.0%	
Daily Avg's		108,671	35,938	63,047	0	17,971	54,114	279,742	256,857	536,599	0	0.0%	63.7%
Weekly Max's		118,600	39,360	68,715	0	30,000	66,400	308,075	296,000	603,775	0	0.0%	71.6%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	279,742	256,857	256,857	536,599	29,394,352

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	7/4	4.70	4.65	
Tue	7/5	4.80	5.20	1.38
Wed	7/6	4.82	5.06	
Thu	7/7	4.80	5.00	
Fri	7/8	4.80	4.94	
Sat	7/9	4.86	4.94	0.30
Sun	7/10	4.90	4.90	
Weekly Total		▪	▪	1.68

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **114.44**

Based on Current Daily Average WTP Production Using Jefferies **114.44**

Based on Current (Permitted) Maximum Reservoir Safe Yield **97.98**

Unusual Usage	
Date	
7/4	
7/5	31,800 Bulk Water Sales
7/6	33,600 Bulk Water Sales
7/7	38,100 Bulk Water Sales
7/8	44,000 Bulk Water Sales
7/9	
7/10	
Total	147,500

Exceeds safe yield or permitted capacity