

Town of Purcellville
Weekly Water Demand Report
 06/19/2017- 06/25/2017

Notes:

The Forbes Well was out of service for repair on June 22, 2017.

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	6/19	110,100	29,267	56,984	0	27,100	77,500	300,951	293,900	594,851	0	0.0%	69.7%
Tue	6/20	119,200	32,571	61,989	0	28,200	84,600	326,560	294,400	620,960	0	0.0%	72.7%
Wed	6/21	115,200	30,585	57,998	0	32,400	52,700	288,883	290,100	578,983	0	0.0%	67.8%
Thu	6/22	115,000	5,420	64,221	0	24,300	52,700	261,641	277,800	539,441	0	0.0%	63.2%
Fri	6/23	110,600	36,606	59,385	0	27,000	52,900	286,491	266,700	553,191	0	0.0%	64.8%
Sat	6/24	116,800	43,807	67,119	0	28,300	50,500	306,526	205,600	512,126	0	0.0%	60.0%
Sun	6/25	117,100	40,947	62,513	0	27,200	50,500	298,260	212,600	510,860	0	0.0%	59.8%
Weekly Total		804,000	219,203	430,209	0	194,500	421,400	2,069,312	1,841,100	3,910,412	0		
Daily Avg's		114,857	31,315	61,458	0	27,786	60,200	295,616	263,014	558,630	0	0.0%	65.4%
Weekly Max's		119,200	43,807	67,119	0	32,400	84,600	326,560	294,400	620,960	0	0.0%	72.7%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	295,616	263,014	263,014	558,630	30,679,741

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	6/19	5.26	5.14	
Tue	6/20	5.54	4.90	1.84
Wed	6/21	5.38	5.10	
Thu	6/22	5.30	5.12	
Fri	6/23	5.26	5.14	0.12
Sat	6/24	5.30	5.18	0.52
Sun	6/25	5.29	5.11	
Weekly Total				2.48

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **116.65**

Based on Current Daily Average WTP Production Using Jefferies **116.65**

Based on Current (Permitted) Maximum Reservoir Safe Yield **102.27**

Bulk Water Usage

Date	
6/19	
6/20	56,600 Bulk Water Sales
6/21	
6/22	
6/23	
6/24	
6/25	
Total	56,600

Exceeds safe yield or permitted capacity