

Town of Purcellville
Weekly Water Demand Report
 1/08/2018- 1/14/2018

Notes:

The reservoir water level gauges on the Front and Back Lakes were damaged by ice. Estimates of reservoir levels are provided and shown in red italics below.

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	1/8	129,600	32,897	59,219	0	22,700	82,800	327,216	374,500	701,716	51,500	13.8%	82.2%
Tue	1/9	136,200	29,061	52,469	0	19,000	81,600	318,330	330,500	648,830	43,700	13.2%	76.0%
Wed	1/10	103,600	30,936	55,333	0	25,200	82,000	297,069	329,900	626,969	42,700	12.9%	73.4%
Thu	1/11	113,700	34,324	61,436	0	24,400	82,300	316,160	328,600	644,760	41,400	12.6%	75.5%
Fri	1/12	109,400	27,820	51,213	0	18,000	82,700	289,133	336,500	625,633	44,500	13.2%	73.3%
Sat	1/13	135,100	35,409	63,379	0	21,500	69,400	324,788	217,400	542,188	28,700	13.2%	63.5%
Sun	1/14	146,200	34,880	62,519	0	20,500	77,000	341,099	349,700	690,799	44,800	12.8%	80.9%
Weekly Total		873,800	225,327	405,568	0	151,300	557,800	2,213,795	2,267,100	4,480,895	297,300		
Daily Avg's		124,829	32,190	57,938	0	21,614	79,686	316,256	323,871	640,128	42,471	13.1%	75.0%
Weekly Max's		146,200	35,409	63,379	0	25,200	82,800	341,099	374,500	701,716	51,500	13.8%	82.2%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	316,256	281,400	323,871	640,128	25,390,960

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)	Days of Water Storage in Reservoir		Bulk Water Usage	
Mon	1/8	4.10	3.62		Based on Current Daily Average WTP Production	78.40	1/8	
Tue	1/9	4.10	3.60					
Wed	1/10	3.92	3.58		Based on Current (Permitted) Maximum Reservoir Safe Yield	84.64	1/10	
Thu	1/11	3.78	3.50					
Fri	1/12	3.76	3.65	0.48				
Sat	1/13	3.90	3.65	1.75				
Sun	1/14	3.90	3.65					
Weekly Total				2.23				

Exceeds safe yield or permitted capacity

Notes:
 Reservoir level measurements reported in red italics are estimates. The gauges were damaged by ice.