

Town of Purcellville
Weekly Water Demand Report
 08/07/2017- 08/13/2017

Notes: Catoctin Corner water line flushing was conducted on 8/7/2017 and 8/8/2017. Total water use was 3,866 gallons.

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	8/7	122,900	31,489	49,548	0	28,200	87,400	319,537	303,900	623,437	0	0.0%	73.0%
Tue	8/8	115,000	40,398	62,896	0	25,800	56,400	300,494	297,400	597,894	0	0.0%	70.0%
Wed	8/9	119,500	40,037	62,240	0	26,100	65,500	313,377	285,800	599,177	0	0.0%	70.2%
Thu	8/10	114,600	35,670	54,980	0	25,900	75,700	306,850	284,500	591,350	0	0.0%	69.2%
Fri	8/11	122,000	42,257	67,751	0	28,700	61,500	322,208	295,600	617,808	0	0.0%	72.3%
Sat	8/12	116,500	41,595	66,106	0	23,500	52,700	300,401	227,900	528,301	0	0.0%	61.9%
Sun	8/13	114,700	38,606	61,310	0	19,000	52,800	286,416	243,000	529,416	0	0.0%	62.0%
Weekly Total		825,200	270,052	424,831	0	177,200	452,000	2,149,283	1,938,100	4,087,383	0		
Daily Avg's		117,886	38,579	60,690	0	25,314	64,571	307,040	276,871	583,912	0	0.0%	68.4%
Weekly Max's		122,900	42,257	67,751	0	28,700	87,400	322,208	303,900	623,437	0	0.0%	73.0%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	307,040	276,871	276,871	583,912	30,664,319

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	8/7	5.10	5.05	0.01
Tue	8/8	5.12	5.06	0.23
Wed	8/9	5.18	4.88	
Thu	8/10	5.20	4.90	
Fri	8/11	5.20	4.82	
Sat	8/12	5.20	5.12	0.77
Sun	8/13	5.28	5.12	0.88
Weekly Total				1.89

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production		110.75
Based on Current Daily Average WTP Production Using Jefferies		110.75
Based on Current (Permitted) Maximum Reservoir Safe Yield		102.21

Bulk Water Usage

Date		
8/7	18,600	Bulk Water Sales
8/8	21,600	Bulk Water Sales
8/9	23,400	Bulk Water Sales
8/10	14,200	Bulk Water Sales
8/11		
8/12		
8/13		
Total	77,800	

Exceeds safe yield or permitted capacity