

Town of Purcellville
Weekly Water Demand Report
 10/23/2017- 10/29/2017

Notes:

Flushing of water lines at Catocin Corner development used 31,682 gallons on October 23, 2017, and approximately 10,000 gallons were used on 10/27/2017.

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	10/23	116,600	32,217	54,975	0	16,600	75,900	296,292	252,100	548,392	33,700	13.4%	64.2%
Tue	10/24	123,900	34,235	58,524	0	23,600	80,300	320,559	227,700	548,259	30,500	13.4%	64.2%
Wed	10/25	112,500	31,136	53,843	0	26,600	63,400	287,479	235,400	522,879	32,000	13.6%	61.2%
Thu	10/26	118,800	36,703	63,510	0	24,500	69,100	312,613	224,300	536,913	29,000	12.9%	62.9%
Fri	10/27	125,100	35,918	62,312	0	21,900	68,500	313,730	286,700	600,430	34,200	11.9%	70.3%
Sat	10/28	122,100	39,959	69,288	0	25,600	69,000	325,947	208,900	534,847	26,800	12.8%	62.6%
Sun	10/29	113,500	32,268	56,295	0	20,600	61,600	284,263	167,700	451,963	21,800	13.0%	52.9%
Weekly Total		832,500	242,436	418,747	0	159,400	487,800	2,140,883	1,602,800	3,743,683	208,000		
Daily Avg's		118,929	34,634	59,821	0	22,771	69,686	305,840	228,971	534,812	29,714	13.0%	62.6%
Weekly Max's		125,100	39,959	69,288	0	26,600	80,300	325,947	286,700	600,430	34,200	13.6%	70.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	305,840	199,257	228,971	534,812	25,808,095

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)	Days of Water Storage in Reservoir		Bulk Water Usage	
Mon	10/23	4.42	3.00		Based on Current Daily Average WTP Production	112.71	10/23	
Tue	10/24	4.42	3.23	0.58				
Wed	10/25	4.40	3.24		Based on Current (Permitted) Maximum Reservoir Safe Yield	86.03	10/25	
Thu	10/26	4.36	3.24					
Fri	10/27	4.34	3.22					
Sat	10/28	4.30	3.22					
Sun	10/29	4.24	3.20	0.06				
Weekly Total				0.64				

Exceeds safe yield or permitted capacity