

Town of Purcellville
Weekly Water Demand Report
 7/23/2018- 07/29/2018

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	7/23	101,869	30,470	59,207	0	24,500	66,100	282,146	294,400	576,546	0	0.0%	67.5%
Tue	7/24	98,085	29,995	58,824	0	20,000	63,400	270,304	291,100	561,404	0	0.0%	65.7%
Wed	7/25	103,786	31,729	62,123	0	25,800	63,500	286,938	297,500	584,438	0	0.0%	68.4%
Thu	7/26	101,559	30,029	58,555	0	23,400	63,500	277,043	290,400	567,443	0	0.0%	66.4%
Fri	7/27	93,847	30,276	59,561	0	22,200	57,900	263,784	273,600	537,384	0	0.0%	62.9%
Sat	7/28	101,322	33,935	66,763	0	6,600	50,100	258,720	237,000	495,720	0	0.0%	58.0%
Sun	7/29	106,376	33,427	65,635	0	27,400	49,100	281,938	231,400	513,338	0	0.0%	60.1%
Weekly Total		706,844	219,861	430,668	0	149,900	413,600	1,920,873	1,915,400	3,836,273	0		
Daily Avg's		100,978	31,409	61,524	0	21,414	59,086	274,410	273,629	548,039	0	0.0%	64.2%
Weekly Max's		106,376	33,935	66,763	0	27,400	66,100	286,938	297,500	584,438	0	0.0%	68.4%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	274,410	273,629	273,629	548,039	30,581,172

Day	Date	Front Lake (5.6' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	7/23	5.74	5.16	2.04
Tue	7/24	5.78	5.16	1.52
Wed	7/25	5.68	5.08	0.25
Thu	7/26	5.60	5.08	0.19
Fri	7/27	5.58	5.00	
Sat	7/28	5.60	5.00	0.04
Sun	7/29	5.60	5.00	
Weekly Total				4.04

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	111.76
Based on Current Daily Average WTP Production Using Jefferies	111.76
Based on Current (Permitted) Maximum Reservoir Safe Yield	101.94

Bulk Water Usage	
Date	
7/23	
7/24	
7/25	
7/26	
7/27	
7/28	
7/29	
Total	0

Exceeds safe yield or permitted capacity