

Town of Purcellville
Weekly Water Demand Report
 08/22/2016 - 08/28/2016

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	8/22	108,000	34,873	63,826	0	0	93,700	300,399	275,400	575,799	50,300	18.3%	68.3%
Tue	8/23	86,300	31,026	56,510	0	23,700	64,600	262,136	271,200	533,336	46,900	17.3%	63.3%
Wed	8/24	98,500	32,870	60,081	0	28,300	79,400	299,151	226,900	526,051	38,800	17.1%	62.4%
Thu	8/25	97,800	33,184	60,230	0	26,000	80,500	297,714	284,200	581,914	46,000	16.2%	69.0%
Fri	8/26	106,100	34,258	62,476	0	36,500	79,500	318,834	283,600	602,434	44,600	15.7%	71.5%
Sat	8/27	93,700	38,310	69,663	0	0	80,400	282,073	219,000	501,073	35,200	16.1%	59.4%
Sun	8/28	95,400	34,679	63,093	0	0	80,700	273,872	243,600	517,472	38,400	15.8%	61.4%
Weekly Total		685,800	239,200	435,879	0	114,500	558,800	2,034,179	1,803,900	3,838,079	300,200		
Daily Avg's		97,971	34,171	62,268	0	16,357	79,829	290,597	257,700	548,297	42,886	16.6%	65.0%
Weekly Max's		108,000	38,310	69,663	0	36,500	93,700	318,834	284,200	602,434	50,300	18.3%	71.5%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	290,597	214,814	257,700	548,297	27,583,914

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	8/22	4.80	4.50	
Tue	8/23	4.94	4.10	0.05
Wed	8/24	5.00	3.60	
Thu	8/25	5.10	3.50	
Fri	8/26	5.00	3.50	
Sat	8/27	4.95	3.50	
Sun	8/28	4.82	3.50	
Weekly Total				0.05

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **107.04**

Based on Current Daily Average WTP Production Using Jefferies **128.41**

Based on Current (Permitted) Maximum Reservoir Safe Yield **91.95**

Bulk Water Usage	
Date	
8/22	
8/23	12,900 Bulk Water Sales
8/24	
8/25	20,400 Bulk Water Sales
8/26	26,700 Bulk Water Sales
8/27	
8/28	
Total	60,000

Notes:

 Exceeds safe yield or permitted capacity