

Town of Purcellville  
**Weekly Water Demand Report**  
 7/2/2018- 07/8/2018

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	7/2	93,324	29,495	57,720	0	23,200	93,500	297,239	323,400	620,639	0	0.0%	72.7%
Tue	7/3	103,142	32,554	64,534	0	26,400	79,200	305,830	304,000	609,830	0	0.0%	71.4%
Wed	7/4	93,410	28,500	56,445	0	20,500	86,700	285,555	236,200	521,755	0	0.0%	61.1%
Thu	7/5	94,980	29,013	57,568	0	21,600	60,100	263,261	313,200	576,461	0	0.0%	67.5%
Fri	7/6	105,258	34,261	68,471	0	29,400	58,400	295,790	261,800	557,590	0	0.0%	65.3%
Sat	7/7	102,786	34,532	68,838	0	28,000	49,100	283,256	251,800	535,056	0	0.0%	62.7%
Sun	7/8	92,769	28,503	56,873	0	22,700	72,700	273,545	241,000	514,545	0	0.0%	60.3%
<b>Weekly Total</b>		<b>685,669</b>	<b>216,858</b>	<b>430,449</b>	<b>0</b>	<b>171,800</b>	<b>499,700</b>	<b>2,004,476</b>	<b>1,931,400</b>	<b>3,935,876</b>	<b>0</b>		
Daily Avg's		97,953	30,980	61,493	0	24,543	71,386	286,354	275,914	562,268	0	0.0%	65.8%
Weekly Max's		105,258	34,532	68,838	0	29,400	93,500	305,830	323,400	620,639	0	0.0%	72.7%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	286,354	275,914	275,914	562,268	30,374,651

Day	Date	Front Lake (5.6' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	7/2	5.80	4.84	
Tue	7/3	5.80	4.75	
Wed	7/4	5.80	4.64	
Thu	7/5	5.80	4.52	0.05
Fri	7/6	5.79	4.40	0.02
Sat	7/7	5.62	4.84	
Sun	7/8	5.54	4.96	
Weekly Total				<b>0.07</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production	110.09
Based on Current Daily Average WTP Production Using Jefferies	110.09
Based on Current (Permitted) Maximum Reservoir Safe Yield	101.25

**Bulk Water Usage**

Date	
7/2	
7/3	
7/4	
7/5	
7/6	
7/7	
7/8	
Total	0

Exceeds safe yield or permitted capacity