

Town of Purcellville  
**Weekly Water Demand Report**  
 05/29/2017- 06/04/2017

**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	5/29	128,200	32,868	65,780	0	38,300	39,600	304,748	211,800	516,548	0	0.0%	60.5%
Tue	5/30	125,500	33,165	66,419	0	38,300	53,200	316,584	292,000	608,584	0	0.0%	71.3%
Wed	5/31	106,900	24,963	50,450	0	27,600	53,200	263,113	299,600	562,713	0	0.0%	65.9%
Thu	6/1	118,800	30,024	60,648	0	32,300	53,100	294,872	280,600	575,472	0	0.0%	67.4%
Fri	6/2	112,200	31,534	63,617	0	31,500	53,200	292,051	264,800	556,851	0	0.0%	65.2%
Sat	6/3	119,100	34,318	69,034	0	31,600	53,100	307,152	220,000	527,152	0	0.0%	61.7%
Sun	6/4	120,600	31,356	63,681	0	32,000	53,300	300,937	232,000	532,937	0	0.0%	62.4%
<b>Weekly Total</b>		<b>831,300</b>	<b>218,228</b>	<b>439,629</b>	<b>0</b>	<b>231,600</b>	<b>358,700</b>	<b>2,079,457</b>	<b>1,800,800</b>	<b>3,880,257</b>	<b>0</b>		
Daily Avg's		118,757	31,175	62,804	0	33,086	51,243	297,065	257,257	554,322	0	0.0%	64.9%
Weekly Max's		128,200	34,318	69,034	0	38,300	53,300	316,584	299,600	608,584	0	0.0%	71.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	297,065	257,257	257,257	554,322	31,379,702

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	5/29	5.60	5.12	0.07
Tue	5/30	5.62	5.10	0.04
Wed	5/31	5.60	5.10	0.70
Thu	6/1	5.54	5.16	
Fri	6/2	5.56	5.18	
Sat	6/3	5.55	5.14	
Sun	6/4	5.55	5.11	
<b>Weekly Total</b>				<b>0.81</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **121.98**

Based on Current Daily Average WTP Production Using Jefferies **121.98**

Based on Current (Permitted) Maximum Reservoir Safe Yield **104.60**

<b>Bulk Water Usage</b>	
Date	
5/29	
5/30	18,100 Bulk Water Sales
5/31	
6/1	27,700 Bulk Water Sales
6/2	
6/3	
6/4	
Total	45,800

Exceeds safe yield or permitted capacity