

Town of Purcellville  
**Weekly Water Demand Report**  
 05/01/2017- 05/07/2017

**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	5/1	120,100	33,290	64,492	0	31,000	71,200	320,082	258,400	578,482	0	0.0%	67.7%
Tue	5/2	116,900	32,687	62,838	0	27,000	64,600	304,025	321,200	625,225	0	0.0%	73.2%
Wed	5/3	115,400	31,403	60,938	0	23,300	51,300	282,341	303,400	585,741	0	0.0%	68.6%
Thu	5/4	113,200	32,098	61,536	0	0	51,500	258,334	278,600	536,934	0	0.0%	62.9%
Fri	5/5	117,200	36,893	72,074	0	27,400	51,600	305,167	247,800	552,967	0	0.0%	64.8%
Sat	5/6	130,300	35,873	69,131	0	4,200	51,500	291,004	174,800	465,804	0	0.0%	54.5%
Sun	5/7	106,100	30,698	59,871	0	0	57,900	254,569	232,300	486,869	0	0.0%	57.0%
<b>Weekly Total</b>		<b>819,200</b>	<b>232,942</b>	<b>450,880</b>	<b>0</b>	<b>112,900</b>	<b>399,600</b>	<b>2,015,522</b>	<b>1,816,500</b>	<b>3,832,022</b>	<b>0</b>		
<b>Daily Avg's</b>		<b>117,029</b>	<b>33,277</b>	<b>64,411</b>	<b>0</b>	<b>16,129</b>	<b>57,086</b>	<b>287,932</b>	<b>259,500</b>	<b>547,432</b>	<b>0</b>	<b>0.0%</b>	<b>64.1%</b>
<b>Weekly Max's</b>		<b>130,300</b>	<b>36,893</b>	<b>72,074</b>	<b>0</b>	<b>31,000</b>	<b>71,200</b>	<b>320,082</b>	<b>321,200</b>	<b>625,225</b>	<b>0</b>	<b>0.0%</b>	<b>73.2%</b>

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
<b>Daily Average Usages:</b>	<b>287,932</b>	<b>259,500</b>	<b>259,500</b>	<b>547,432</b>	<b>31,619,019</b>

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	5/1	5.48	5.20	
Tue	5/2	5.48	5.20	0.10
Wed	5/3	5.48	5.18	
Thu	5/4	5.46	5.16	
Fri	5/5	5.54	5.40	1.85
Sat	5/6	5.40	5.30	0.10
Sun	5/7	5.60	5.20	0.15
<b>Weekly Total</b>				<b>2.20</b>

**Days of Water Storage in Reservoir**

**Based on Current Daily Average WTP Production**      **121.85**

**Based on Current Daily Average WTP Production Using Jefferies**      **121.85**

**Based on Current (Permitted) Maximum Reservoir Safe Yield**      **105.40**

<b>Bulk Water Usage</b>	
Date	
5/1	18,200 Bulk Water Sales
5/2	15,700 Bulk Water Sales
5/3	30,900 Bulk Water Sales
5/4	
5/5	
5/6	
5/7	
<b>Total</b>	<b>64,800</b>

Exceeds safe yield or permitted capacity