

Town of Purcellville  
**Weekly Water Demand Report**  
 3/26/2018- 04/01/2018

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	3/26	126,900	31,687	59,360	0	23,800	62,900	304,647	278,400	583,047	0	0.0%	68.3%
Tue	3/27	123,900	31,156	58,214	0	24,600	50,200	288,070	249,300	537,370	0	0.0%	62.9%
Wed	3/28	119,000	30,837	57,582	0	22,400	50,400	280,219	232,000	512,219	0	0.0%	60.0%
Thu	3/29	125,400	31,554	59,026	0	22,900	50,600	289,480	241,400	530,880	0	0.0%	62.2%
Fri	3/30	122,900	33,867	63,680	0	24,700	63,400	308,547	259,300	567,847	0	0.0%	66.5%
Sat	3/31	132,000	35,716	67,064	0	22,900	67,400	325,080	222,300	547,380	0	0.0%	64.1%
Sun	4/1	120,000	32,607	61,850	0	22,100	70,700	307,257	228,000	535,257	0	0.0%	62.7%
<b>Weekly Total</b>		<b>870,100</b>	<b>227,424</b>	<b>426,776</b>	<b>0</b>	<b>163,400</b>	<b>415,600</b>	<b>2,103,300</b>	<b>1,710,700</b>	<b>3,814,000</b>	<b>0</b>		
Daily Avg's		124,300	32,489	60,968	0	23,343	59,371	300,471	244,386	544,857	0	0.0%	63.8%
Weekly Max's		132,000	35,716	67,064	0	24,700	70,700	325,080	278,400	583,047	0	0.0%	68.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	300,471	244,386	244,386	544,857	30,581,172

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	3/26			
Tue	3/27			
Wed	3/28			
Thu	3/29			0.52
Fri	3/30			0.10
Sat	3/31			
Sun	4/1	5.30	5.00	
<b>Weekly Total</b>				<b>0.62</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production	125.13
Based on Current Daily Average WTP Production Using Jefferies	125.13
Based on Current (Permitted) Maximum Reservoir Safe Yield	101.94

**Bulk Water Usage**

Date	
3/26	
3/27	
3/28	
3/29	
3/30	
3/31	
4/1	
Total	0

Exceeds safe yield or permitted capacity

Notes:  
 Reservoir level measurements reported in red italics are estimates. The gauges were damaged by ice.