

Town of Purcellville  
**Weekly Water Demand Report**  
 2/19/2018- 02/25/2018

**Notes:**

Repairs were conducted on the Cornwell Well on 2/22/18 through 2/23/18.

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	2/19	117,700	27,068	58,761	0	19,300	81,300	304,129	281,600	585,729		0.0%	68.6%
Tue	2/20	121,200	29,648	40,494	0	28,300	81,500	301,142	393,400	694,542		0.0%	81.3%
Wed	2/21	133,600	29,195	42,757	0	25,400	81,700	312,652	331,400	644,052		0.0%	75.4%
Thu	2/22	128,400	19,553		0	24,400	81,500	253,853	295,000	548,853		0.0%	64.3%
Fri	2/23	141,300	38,316		0	25,200	81,100	285,916	304,100	590,016		0.0%	69.1%
Sat	2/24	123,600	37,168	58,468	0	21,600	68,800	309,636	203,500	513,136		0.0%	60.1%
Sun	2/25	112,300	32,875	69,628	0	21,200	74,400	310,403	212,200	522,603		0.0%	61.2%
<b>Weekly Total</b>		<b>878,100</b>	<b>213,823</b>	<b>270,108</b>	<b>0</b>	<b>165,400</b>	<b>550,300</b>	<b>2,077,731</b>	<b>2,021,200</b>	<b>4,098,931</b>	<b>0</b>		
Daily Avg's		125,443	30,546	38,587	0	23,629	78,614	296,819	288,743	585,562	0	0.0%	68.6%
Weekly Max's		141,300	38,316	69,628	0	28,300	81,700	312,652	393,400	694,542	0	0.0%	81.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	296,819	288,743	288,743	585,562	30,581,172

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	2/19			0.09
Tue	2/20			0.02
Wed	2/21			
Thu	2/22			0.10
Fri	2/23			0.02
Sat	2/24			0.10
Sun	2/25	5.30	5.00	0.50
<b>Weekly Total</b>				<b>0.83</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **105.91**

Based on Current Daily Average WTP Production Using Jefferies **105.91**

Based on Current (Permitted) Maximum Reservoir Safe Yield **101.94**

**Bulk Water Usage**

Date	
2/19	
2/20	
2/21	
2/22	
2/23	
2/24	
2/25	
Total	0

  Exceeds safe yield or permitted capacity

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