

Town of Purcellville
Weekly Water Demand Report
 1/15/2018- 1/21/2018

Notes:

The elevated tank was taken off-line for unanticipated repairs on 1/18/2018.

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	1/15	119,000	30,514	54,721	0	22,400	66,300	292,935	230,000	522,935	29,100	12.7%	61.2%
Tue	1/16	135,600	32,373	57,915	0	19,400	81,400	326,688	446,700	773,388	54,400	12.2%	90.6%
Wed	1/17	135,700	29,861	53,820	0	20,900	63,400	303,681	299,600	603,281	34,000	11.3%	70.6%
Thu	1/18	131,000	32,763	59,607	0	24,500	81,400	329,270	375,600	704,870	46,000	12.2%	82.5%
Fri	1/19	123,400	30,762	54,667	0	20,000	77,500	306,329	361,700	668,029	40,100	11.1%	78.2%
Sat	1/20	133,900	34,923	62,557	0	18,000	74,000	323,380	299,500	622,880	32,100	10.7%	72.9%
Sun	1/21	126,300	31,172	56,414	0	19,800	80,900	314,586	286,800	601,386	30,800	10.7%	70.4%
Weekly Total		904,900	222,368	399,701	0	145,000	524,900	2,196,869	2,299,900	4,496,769	266,500		
Daily Avg's		129,271	31,767	57,100	0	20,714	74,986	313,838	328,557	642,396	38,071	11.6%	75.2%
Weekly Max's		135,700	34,923	62,557	0	24,500	81,400	329,270	446,700	773,388	54,400	12.7%	90.6%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	313,838	290,486	328,557	642,396	28,126,428

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	1/15			
Tue	1/16			
Wed	1/17			SNOW
Thu	1/18			
Fri	1/19			
Sat	1/20			
Sun	1/21	<i>5.00</i>	<i>3.50</i>	
Weekly Total				0.00

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	85.61
Based on Current Daily Average WTP Production Using Jefferies	96.83
Based on Current (Permitted) Maximum Reservoir Safe Yield	93.75

Bulk Water Usage

Date	
1/15	
1/16	
1/17	
1/18	
1/19	
1/20	
1/21	
Total	0

 Exceeds safe yield or permitted capacity

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