

Town of Purcellville  
**Weekly Water Demand Report**  
 2/26/2018- 03/04/2018

**Notes:**

Repairs were conducted on the Raw Water pipeline on 2/28/18, and the Water Treatment Plant was shut down during repairs. High-wind conditions caused power outage issues at the wells and water treatment plant on 3/2/2018 and 3/3/2018.

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	2/26	124,900	37,042	53,852	0	23,500	81,000	320,294	348,700	668,994		0.0%	78.3%
Tue	2/27	150,400	37,957	59,671	0	23,100	62,400	333,528	381,500	715,028		0.0%	83.7%
Wed	2/28	110,000	38,120	67,486	0	31,800	80,800	328,206	109,200	437,406		0.0%	51.2%
Thu	3/1	131,400	33,756	72,307	0	20,000	81,800	339,263	316,000	655,263		0.0%	76.7%
Fri	3/2	92,400	20,478	74,246	0	18,700	59,500	265,324	321,800	587,124		0.0%	68.7%
Sat	3/3	123,600	34,729	27,948	0	23,100	76,200	285,577	237,000	522,577		0.0%	61.2%
Sun	3/4	127,800	37,195	60,341	0	22,400	77,800	325,536	273,600	599,136		0.0%	70.2%
<b>Weekly Total</b>		<b>860,500</b>	<b>239,277</b>	<b>415,851</b>	<b>0</b>	<b>162,600</b>	<b>519,500</b>	<b>2,197,728</b>	<b>1,987,800</b>	<b>4,185,528</b>	<b>0</b>		
Daily Avg's		122,929	34,182	59,407	0	23,229	74,214	313,961	283,971	597,933	0	0.0%	70.0%
Weekly Max's		150,400	38,120	74,246	0	31,800	81,800	339,263	381,500	715,028	0	0.0%	83.7%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	313,961	283,971	283,971	597,933	30,581,172

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	2/26			0.04
Tue	2/27			
Wed	2/28			
Thu	3/1			
Fri	3/2			0.19
Sat	3/3			
Sun	3/4	5.30	5.00	
Weekly Total				0.23

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production	107.69
Based on Current Daily Average WTP Production Using Jefferies	107.69
Based on Current (Permitted) Maximum Reservoir Safe Yield	101.94

**Bulk Water Usage**

Date	
2/26	
2/27	
2/28	
3/1	
3/2	
3/3	
3/4	
Total	0

Exceeds safe yield or permitted capacity

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