

Town of Purcellville  
**Weekly Water Demand Report**  
 5/21/2018- 05/27/2018

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	5/21	102,976	32,648	62,779	0	26,800	90,500	315,703	290,700	606,403	0	0.0%	71.0%
Tue	5/22	107,168	30,574	61,574	0	24,800	91,900	316,016	276,100	592,116	0	0.0%	69.3%
Wed	5/23	101,816	32,072	63,397	0	26,600	81,300	305,185	246,000	551,185	0	0.0%	64.5%
Thu	5/24	106,640	32,269	63,911	0	32,800	63,100	298,720	287,900	586,620	0	0.0%	68.7%
Fri	5/25	92,280	35,279	70,245	0	27,900	60,600	286,304	296,700	583,004	0	0.0%	68.3%
Sat	5/26	119,616	34,468	68,502	0	27,900	55,500	305,986	219,700	525,686	0	0.0%	61.6%
Sun	5/27	108,448	31,481	64,140	0	27,800	70,200	302,069	238,800	540,869	0	0.0%	63.3%
<b>Weekly Total</b>		<b>738,944</b>	<b>228,791</b>	<b>454,548</b>	<b>0</b>	<b>194,600</b>	<b>513,100</b>	<b>2,129,983</b>	<b>1,855,900</b>	<b>3,985,883</b>	<b>0</b>		
Daily Avg's		105,563	32,684	64,935	0	27,800	73,300	304,283	265,129	569,412	0	0.0%	66.7%
Weekly Max's		119,616	35,279	70,245	0	32,800	91,900	316,016	296,700	606,403	0	0.0%	71.0%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	304,283	265,129	265,129	569,412	31,352,276

Day	Date	Front Lake (5.6' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	5/21	5.60	5.30	
Tue	5/22	5.68	5.28	0.21
Wed	5/23	5.68	5.28	
Thu	5/24	5.70	5.28	
Fri	5/25	5.74	5.26	
Sat	5/26	5.74	5.28	0.04
Sun	5/27	5.76	5.30	0.13
Weekly Total		■ ■ ■ ■ ■	■ ■ ■ ■ ■	

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production	118.25
Based on Current Daily Average WTP Production Using Jefferies	118.25
Based on Current (Permitted) Maximum Reservoir Safe Yield	104.51

**Bulk Water Usage**

Date	
5/21	
5/22	
5/23	
5/24	
5/25	
5/26	
5/27	
Total	0 ■ ■ ■ ■ ■

Exceeds safe yield or permitted capacity