

Town of Purcellville  
**Weekly Water Demand Report**  
 4/02/2018- 04/08/2018

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	4/2	121,000	30,312	57,341	0	21,800	82,500	312,953	311,900	624,853	0	0.0%	73.2%
Tue	4/3	109,000	30,836	58,362	0	22,500	63,100	283,798	288,100	571,898	0	0.0%	67.0%
Wed	4/4	129,100	32,130	60,962	0	23,400	63,700	309,292	305,800	615,092	0	0.0%	72.0%
Thu	4/5	126,200	30,729	58,591	0	23,700	82,500	321,720	326,200	647,920	0	0.0%	75.9%
Fri	4/6	125,600	35,652	67,730	0	24,600	88,400	341,982	326,200	668,182	0	0.0%	78.2%
Sat	4/7	126,000	37,548	71,131	0	24,600	77,900	337,179	224,800	561,979	0	0.0%	65.8%
Sun	4/8	126,000	29,694	56,446	0	17,300	80,700	310,140	240,800	550,940	0	0.0%	64.5%
<b>Weekly Total</b>		<b>862,900</b>	<b>226,901</b>	<b>430,563</b>	<b>0</b>	<b>157,900</b>	<b>538,800</b>	<b>2,217,064</b>	<b>2,023,800</b>	<b>4,240,864</b>	<b>0</b>		
Daily Avg's		123,271	32,414	61,509	0	22,557	76,971	316,723	289,114	605,838	0	0.0%	70.9%
Weekly Max's		129,100	37,548	71,131	0	24,600	88,400	341,982	326,200	668,182	0	0.0%	78.2%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	316,723	289,114	289,114	605,838	30,581,172

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)	
Mon	4/2			0.32	<b>Based on Current Daily Average WTP Production</b> 105.78
Tue	4/3			0.02	
Wed	4/4			0.02	<b>Based on Current Daily Average WTP Production</b> <i>Using Jefferies</i> 105.78
Thu	4/5				
Fri	4/6				<b>Based on Current (Permitted) Maximum Reservoir Safe Yield</b> 101.94
Sat	4/7				
Sun	4/8	5.30	5.00		
<b>Weekly Total</b>				<b>0.36</b>	

Bulk Water Usage	
Date	
4/2	
4/3	
4/4	115,000 Pville Ridge HOA pool filling
4/5	from 4/3 - 4/5
4/6	
4/7	
4/8	
Total	115,000

  Exceeds safe yield or permitted capacity

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