

Town of Purcellville  
**Weekly Water Demand Report**  
 4/16/2018- 04/22/2018

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	4/16	134,300	31,162	59,971	0	24,400	75,100	324,933	280,500	605,433	0	0.0%	70.9%
Tue	4/17	116,900	29,574	57,118	0	12,200	69,300	285,092	290,200	575,292	0	0.0%	67.4%
Wed	4/18	132,500	32,118	61,926	0	23,900	75,100	325,544	284,000	609,544	0	0.0%	71.4%
Thu	4/19	130,600	30,891	59,551	0	22,200	68,900	312,142	275,000	587,142	0	0.0%	68.8%
Fri	4/20	125,600	32,061	62,140	0	22,200	81,300	323,301	271,000	594,301	0	0.0%	69.6%
Sat	4/21	131,300	34,461	66,594	0	21,000	69,200	322,555	238,000	560,555	0	0.0%	65.6%
Sun	4/22	130,900	28,463	64,916	0	22,700	82,100	329,079	252,100	581,179	0	0.0%	68.1%
<b>Weekly Total</b>		<b>902,100</b>	<b>218,730</b>	<b>432,216</b>	<b>0</b>	<b>148,600</b>	<b>521,000</b>	<b>2,222,646</b>	<b>1,890,800</b>	<b>4,113,446</b>	<b>0</b>		
Daily Avg's		128,871	31,247	61,745	0	21,229	74,429	317,521	270,114	587,635	0	0.0%	68.8%
Weekly Max's		134,300	34,461	66,594	0	24,400	82,100	329,079	290,200	609,544	0	0.0%	71.4%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	317,521	270,114	270,114	587,635	31,172,276

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	4/16			2.92
Tue	4/17			0.22
Wed	4/18			
Thu	4/19			
Fri	4/20	5.60	5.10	
Sat	4/21	5.78	5.00	
Sun	4/22	5.82	5.00	
<b>Weekly Total</b>				<b>3.14</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production	115.40
Based on Current Daily Average WTP Production Using Jefferies	115.40
Based on Current (Permitted) Maximum Reservoir Safe Yield	103.91

**Bulk Water Usage**

Date	
4/16	
4/17	
4/18	
4/19	
4/20	
4/21	
4/22	
Total	0

Exceeds safe yield or permitted capacity