

Town of Purcellville
Weekly Water Demand Report
 3/19/2018- 03/25/2018

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	3/19	120,200	30,192	55,972	0	24,300	81,100	311,764	329,600	641,364	0	0.0%	75.1%
Tue	3/20	131,100	34,276	63,185	0	22,000	51,200	301,761	319,200	620,961	0	0.0%	72.7%
Wed	3/21	120,700	33,564	62,068	0	23,200	50,200	289,732	273,400	563,132	0	0.0%	65.9%
Thu	3/22	126,700	30,024	55,553	0	19,800	63,000	295,077	283,800	578,877	0	0.0%	67.8%
Fri	3/23	120,700	32,669	60,823	0	23,100	82,500	319,792	289,100	608,892	0	0.0%	71.3%
Sat	3/24	137,000	38,333	71,212	0	28,400	70,600	345,545	214,700	560,245	0	0.0%	65.6%
Sun	3/25	127,300	33,334	62,107	0	24,200	68,500	315,441	220,300	535,741	0	0.0%	62.7%
Weekly Total		883,700	232,392	430,920	0	165,000	467,100	2,179,112	1,930,100	4,109,212	0		
Daily Avg's		126,243	33,199	61,560	0	23,571	66,729	311,302	275,729	587,030	0	0.0%	68.7%
Weekly Max's		137,000	38,333	71,212	0	28,400	82,500	345,545	329,600	641,364	0	0.0%	75.1%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	311,302	275,729	275,729	587,030	30,581,172

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	3/19			
Tue	3/20			0.14
Wed	3/21			
Thu	3/22			
Fri	3/23			
Sat	3/24			0.70
Sun	3/25	5.30	5.00	
Weekly Total		■ ■ ■ ■ ■	■ ■ ■ ■ ■	0.84

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	110.91
Based on Current Daily Average WTP Production Using Jefferies	110.91
Based on Current (Permitted) Maximum Reservoir Safe Yield	101.94

Bulk Water Usage

Date	
3/19	5,000 Bulk Water Sale
3/20	
3/21	
3/22	
3/23	
3/24	
3/25	
Total	5,000 ■ ■ ■ ■ ■

Exceeds safe yield or permitted capacity

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