

Town of Purcellville
Weekly Water Demand Report
 2/12/2018- 02/18/2018

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	2/12	122,800	29,736	39,624	0	20,900	84,000	297,060	363,200	660,260		0.0%	77.3%
Tue	2/13	124,000	29,998	48,197	0	25,500	74,900	302,595	310,800	613,395		0.0%	71.8%
Wed	2/14	128,400	31,784	50,701	0	21,500	62,500	294,885	298,200	593,085		0.0%	69.4%
Thu	2/15	129,800	30,576	49,991	0	26,700	62,700	299,767	298,000	597,767		0.0%	70.0%
Fri	2/16	123,100	35,109	53,342	0	32,300	79,200	323,051	260,800	583,851		0.0%	68.4%
Sat	2/17	130,700	32,280	53,193	0	20,500	68,800	305,473	235,100	540,573		0.0%	63.3%
Sun	2/18	127,500	32,543	53,286	0	25,200	74,600	313,129	213,900	527,029		0.0%	61.7%
Weekly Total		886,300	222,026	348,334	0	172,600	506,700	2,135,960	1,980,000	4,115,960	0		
Daily Avg's		126,614	31,718	49,762	0	24,657	72,386	305,137	282,857	587,994	0	0.0%	68.9%
Weekly Max's		130,700	35,109	53,342	0	32,300	84,000	323,051	363,200	660,260	0	0.0%	77.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	305,137	282,857	282,857	587,994	30,581,172

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	2/12			0.02
Tue	2/13			
Wed	2/14			
Thu	2/15			0.05
Fri	2/16			0.36
Sat	2/17			
Sun	2/18	5.30	5.00	0.21
Weekly Total		■ ■ ■ ■	■ ■ ■ ■	0.64

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	108.12
Based on Current Daily Average WTP Production Using Jefferies	108.12
Based on Current (Permitted) Maximum Reservoir Safe Yield	101.94

Bulk Water Usage	
Date	
2/12	
2/13	
2/14	
2/15	
2/16	
2/17	
2/18	
Total	0 ■ ■ ■ ■ ■ ■

 Exceeds safe yield or permitted capacity

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