

Town of Purcellville
Weekly Water Demand Report
 04/03/2017- 04/09/2017

Notes: Unidirectional flushing continued from 4/3/2017 through 4/6/2017, and then resumed on 4/9/2017

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	4/3	131,000	33,405	60,810	0	30,400	84,000	339,615	401,000	740,615	83,700	20.9%	86.7%
Tue	4/4	126,400	31,661	58,533	0	29,500	89,400	335,494	407,200	742,694	80,600	19.8%	87.0%
Wed	4/5	125,100	35,274	65,253	0	29,000	103,600	358,227	415,500	773,727	77,700	18.7%	90.6%
Thu	4/6	122,600	34,265	63,270	0	27,600	102,600	350,335	421,300	771,635	76,600	18.2%	90.4%
Fri	4/7	125,300	38,812	71,716	0	28,900	63,800	328,528	327,600	656,128	60,200	18.4%	76.8%
Sat	4/8	121,000	37,187	68,219	0	26,800	48,000	301,206	150,700	451,906	32,400	21.5%	52.9%
Sun	4/9	105,500	30,763	56,283	0	22,200	75,900	290,646	282,900	573,546	60,900	21.5%	67.2%
Weekly Total		856,900	241,367	444,084	0	194,400	567,300	2,304,051	2,406,200	4,710,251	472,100		
Daily Avg's		122,414	34,481	63,441	0	27,771	81,043	329,150	343,743	672,893	67,443	19.6%	78.8%
Weekly Max's		131,000	38,812	71,716	0	30,400	103,600	358,227	421,300	773,727	83,700	21.5%	90.6%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	329,150	276,300	343,743	672,893	31,405,917

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	4/3	5.45	5.28	
Tue	4/4	5.47	5.30	0.10
Wed	4/5	5.40	5.28	
Thu	4/6	5.43	5.28	0.20
Fri	4/7	5.45	5.30	0.99
Sat	4/8	5.42	5.30	
Sun	4/9	5.48	5.30	
Weekly Total				1.29

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	91.36
Based on Current Daily Average WTP Production Using Jefferies	113.67
Based on Current (Permitted) Maximum Reservoir Safe Yield	104.69

Bulk Water Usage	
Date	
4/3	
4/4	
4/5	
4/6	
4/7	
4/8	
4/9	
Total	0

Exceeds safe yield or permitted capacity