

Town of Purcellville
Weekly Water Demand Report
 03/14/2016 - 03/20/2016

Notes:

Maintenance was conducted at Marsh Well on 3/19/2016 and 3/20/2016.

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	3/14	108,700	31,186	60,507	0	50,500	89,400	340,293	316,200	656,493	0	0.0%	77.9%
Tue	3/15	74,400	35,325	63,408	0	35,600	65,700	274,433	237,800	512,233	0	0.0%	60.8%
Wed	3/16	109,400	35,445	58,358	0	35,700	56,600	295,503	252,800	548,303	0	0.0%	65.0%
Thu	3/17	92,400	33,495	55,319	0	23,700	58,000	262,914	261,600	524,514	0	0.0%	62.2%
Fri	3/18	93,200	36,129	60,512	0	45,800	76,000	311,641	254,700	566,341	0	0.0%	67.2%
Sat	3/19	98,600	36,683	58,867	0	36,800	48,600	279,550	200,900	480,450	0	0.0%	57.0%
Sun	3/20	99,500	37,068	60,326	0	0	30,900	227,794	250,700	478,494	0	0.0%	56.8%
Weekly Total		676,200	245,331	417,297	0	228,100	425,200	1,992,128	1,774,700	3,766,828	0		
Daily Avg's		96,600	35,047	59,614	0	32,586	60,743	284,590	253,529	538,118	0	0.0%	63.8%
Weekly Max's		109,400	37,068	63,408	0	50,500	89,400	340,293	316,200	656,493	0	0.0%	77.9%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	284,590	253,529	253,529	538,118	30,805,131

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	3/14	5.10	5.20	0.55
Tue	3/15	5.18	5.20	0.08
Wed	3/16	5.20	5.20	
Thu	3/17	5.20	5.18	
Fri	3/18	5.19	5.18	
Sat	3/19	5.24	5.20	0.03
Sun	3/20	5.29	5.22	0.50
Weekly Total				1.16

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	121.51
Based on Current Daily Average WTP Production Using Jefferies	121.51
Based on Current (Permitted) Maximum Reservoir Safe Yield	102.68

Unusual Usage	
Date	
3/14	
3/15	8,200 Bulk Water Sales
3/16	1,800 Bulk Water Sales
3/17	22,500 Bulk Water Sales
3/18	5,200 Bulk Water Sales
3/19	
3/20	
Total	37,700