

Town of Purcellville
Weekly Water Demand Report
 03/07/2016 - 03/13/2016

Notes: Maintenance conducted on Forbes and Cornwell Wells on 3/10/2016 and 3/13/2016.

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	3/7	106,800	36,451	58,973	0	49,200	86,700	338,124	267,800	605,924	0	0.0%	71.9%
Tue	3/8	88,400	37,313	60,562	0	41,300	66,900	294,475	268,800	563,275	0	0.0%	66.8%
Wed	3/9	93,700	36,265	58,696	0	38,200	57,600	284,461	268,100	552,561	0	0.0%	65.5%
Thu	3/10	109,300	0	0	0	34,300	57,500	201,100	237,100	438,200	0	0.0%	52.0%
Fri	3/11	76,000	39,908	54,569	0	42,800	93,100	306,377	270,200	576,577	0	0.0%	68.4%
Sat	3/12	105,300	18,647	49,120	0	0	86,100	259,167	244,800	503,967	0	0.0%	59.8%
Sun	3/13	100,700	73	55,323	0	0	85,600	241,696	229,000	470,696	0	0.0%	55.8%
Weekly Total		680,200	168,657	337,243	0	205,800	533,500	1,925,400	1,785,800	3,711,200	0		
Daily Avg's		97,171	24,094	48,178	0	29,400	76,214	275,057	255,114	530,171	0	0.0%	62.9%
Weekly Max's		109,300	39,908	60,562	0	49,200	93,100	338,124	270,200	605,924	0	0.0%	71.9%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	275,057	255,114	255,114	530,171	29,913,339

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	3/7	5.19	5.20	
Tue	3/8	5.20	5.18	
Wed	3/9	5.10	5.20	
Thu	3/10	5.09	5.20	
Fri	3/11	4.90	5.20	0.08
Sat	3/12	5.00	5.12	
Sun	3/13	5.00	5.12	0.02
Weekly Total				0.10

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **117.25**

Based on Current Daily Average WTP Production Using Jefferies **117.25**

Based on Current (Permitted) Maximum Reservoir Safe Yield **99.71**

Unusual Usage		
Date	Quantity	Description
3/7	1,800	Bulk Water Sales
3/8	8,000	Bulk Water Sales
3/9	5,800	Bulk Water Sales
3/10	3,600	Bulk Water Sales
3/11	13,200	Bulk Water Sales
3/12		
3/13		
Total	32,400	