

Town of Purcellville
Weekly Water Demand Report
 02/15/2016- 02/21/2016

Notes: Village Case Well (i.e., Main St. Complex) out of service beginning 2/20/2016 for repairs.

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	2/15	119,900	33,278	50,577	0	0	47,700	251,455	245,200	496,655	0	0.0%	58.9%
Tue	2/16	97,600	26,798	46,700	0	0	73,000	244,098	282,900	526,998	0	0.0%	62.5%
Wed	2/17	99,200	24,521	54,100	0	32,000	58,000	267,821	260,900	528,721	0	0.0%	62.7%
Thu	2/18	99,500	21,406	54,331	0	45,600	52,900	273,737	224,200	497,937	0	0.0%	59.1%
Fri	2/19	88,600	27,917	72,888	0	34,600	67,900	291,905	269,200	561,105	0	0.0%	66.6%
Sat	2/20	56,400	28,030	67,146	0	0	100,100	251,676	279,300	530,976	0	0.0%	63.0%
Sun	2/21	54,800	24,575	65,436	0	0	86,000	230,811	230,100	460,911	0	0.0%	54.7%
Weekly Total		616,000	186,525	411,178	0	112,200	485,600	1,811,503	1,791,800	3,603,303	0		
Daily Avg's		88,000	26,646	58,740	0	16,029	69,371	258,786	255,971	514,758	0	0.0%	61.1%
Weekly Max's		119,900	33,278	72,888	0	45,600	100,100	291,905	282,900	561,105	0	0.0%	66.6%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	258,786	255,971	255,971	514,758	30,809,153

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	2/15	NM	NM	
Tue	2/16	NM	NM	
Wed	2/17	NM	NM	
Thu	2/18	5.30	5.25	1.45
Fri	2/19	5.30	5.26	
Sat	2/20	5.30	5.20	
Sun	2/21	5.30	5.20	
Weekly Total				1.45

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **120.36**

Based on Current Daily Average WTP Production Using Jefferies **120.36**

Based on Current (Permitted) Maximum Reservoir Safe Yield **102.70**

Unusual Usage	
Date	
2/15	10,300 Bulk Water Sales
2/16	
2/17	5,900 Bulk Water Sales
2/18	1,700 Bulk Water Sales
2/19	7,500 Bulk Water Sales
2/20	6,000 Bulk Water Sales
2/21	
Total	31,400