

Town of Purcellville
Weekly Water Demand Report
 05/23/2016 - 05/29/2016

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	5/23	113,600	34,661	78,679	0	42,500	81,600	351,040	269,700	620,740	0	0.0%	73.6%
Tue	5/24	114,000	38,021	64,563	0	30,900	84,900	332,384	263,900	596,284	0	0.0%	70.7%
Wed	5/25	116,900	36,417	61,676	0	29,900	60,200	305,093	278,900	583,993	0	0.0%	69.3%
Thu	5/26	117,800	36,575	61,917	0	27,200	84,000	327,492	259,600	587,092	0	0.0%	69.6%
Fri	5/27	102,200	37,745	64,298	0	37,300	85,000	326,543	280,500	607,043	0	0.0%	72.0%
Sat	5/28	108,700	39,338	66,774	0	0	80,100	294,912	221,100	516,012	0	0.0%	61.2%
Sun	5/29	129,300	43,781	74,241	0	0	94,300	341,622	277,800	619,422	0	0.0%	73.5%
Weekly Total		802,500	266,538	472,148	0	167,800	570,100	2,279,086	1,851,500	4,130,586	0	0.0%	
Daily Avg's		114,643	38,077	67,450	0	23,971	81,443	325,584	264,500	590,084	0	0.0%	70.0%
Weekly Max's		129,300	43,781	78,679	0	42,500	94,300	351,040	280,500	620,740	0	0.0%	73.6%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	325,584	264,500	264,500	590,084	30,936,549

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	5/23	5.38	5.20	0.71
Tue	5/24	5.38	5.20	
Wed	5/25	5.38	5.18	
Thu	5/26	5.38	5.14	
Fri	5/27	5.38	5.12	
Sat	5/28	5.39	5.10	
Sun	5/29	5.39	5.10	
Weekly Total		▪	▪	0.71

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **116.96**

Based on Current Daily Average WTP Production Using Jefferies **116.96**

Based on Current (Permitted) Maximum Reservoir Safe Yield **103.12**

Unusual Usage	
Date	
5/23	21,100 Bulk Water Sales
5/24	32,500 Bulk Water Sales
5/25	31,000 Bulk Water Sales
5/26	19,800 Bulk Water Sales
5/27	38,200 Bulk Water Sales
5/28	
5/29	
Total	142,600