

Town of Purcellville
Weekly Water Demand Report
 04/25/2016 - 05/01/2016

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	4/25	117,500	37,853	63,321	0	48,000	83,400	350,074	283,600	633,674	0	0.0%	75.2%
Tue	4/26	103,000	34,403	57,389	0	26,500	78,400	299,692	281,600	581,292	0	0.0%	69.0%
Wed	4/27	111,000	36,953	60,913	0	28,000	74,400	311,266	293,100	604,366	0	0.0%	71.7%
Thu	4/28	111,000	35,033	59,453	0	25,800	52,000	283,286	249,100	532,386	0	0.0%	63.2%
Fri	4/29	109,700	38,870	65,099	0	27,500	43,900	285,069	241,200	526,269	0	0.0%	62.4%
Sat	4/30	111,300	40,015	67,125	0	0	59,700	278,140	208,400	486,540	0	0.0%	57.7%
Sun	5/1	119,500	41,394	69,815	0	0	59,600	290,309	221,400	511,709	0	0.0%	60.7%
Weekly Total		783,000	264,521	443,115	0	155,800	451,400	2,097,836	1,778,400	3,876,236	0	0.0%	
Daily Avg's		111,857	37,789	63,302	0	22,257	64,486	299,691	254,057	553,748	0	0.0%	65.7%
Weekly Max's		119,500	41,394	69,815	0	48,000	83,400	350,074	293,100	633,674	0	0.0%	75.2%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	299,691	254,057	254,057	553,748	30,594,588

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	4/25	5.20	5.09	
Tue	4/26	5.28	5.10	
Wed	4/27	5.26	5.10	
Thu	4/28	5.24	5.18	0.12
Fri	4/29	5.26	5.18	0.38
Sat	4/30	5.22	5.10	0.04
Sun	5/1	5.22	5.20	0.62
Weekly Total		▪	▪	1.16

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **120.42**

Based on Current Daily Average WTP Production Using Jefferies **120.42**

Based on Current (Permitted) Maximum Reservoir Safe Yield **101.98**

Unusual Usage		
Date	Quantity	Description
4/25	40,800	Bulk Water Sales
4/26	11,900	Bulk Water Sales
4/27	61,100	Bulk Water Sales
4/28	5,300	Bulk Water Sales
4/29	7,100	Bulk Water Sales
4/30		
5/1		
Total	126,200	▪ ▪ ▪ ▪