

Town of Purcellville
Weekly Water Demand Report
 04/04/2016 - 04/10/2016

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	4/4	105,300	36,439	64,312	0	36,100	97,700	339,851	277,200	617,051	0	0.0%	73.2%
Tue	4/5	95,800	35,588	51,689	0	41,500	88,000	312,577	266,000	578,577	0	0.0%	68.6%
Wed	4/6	103,100	36,375	59,226	0	29,100	65,500	293,301	229,000	522,301	0	0.0%	62.0%
Thu	4/7	107,000	37,274	60,903	0	30,000	65,000	300,177	266,900	567,077	0	0.0%	67.3%
Fri	4/8	102,200	41,510	68,136	0	28,900	68,100	308,846	262,500	571,346	0	0.0%	67.8%
Sat	4/9	99,600	40,218	66,122	0	0	85,000	290,940	208,600	499,540	0	0.0%	59.3%
Sun	4/10	111,400	36,829	60,383	0	0	107,000	315,612	237,000	552,612	0	0.0%	65.6%
Weekly Total		724,400	264,233	430,771	0	165,600	576,300	2,161,304	1,747,200	3,908,504	0		
Daily Avg's		103,486	37,748	61,539	0	23,657	82,329	308,758	249,600	558,358	0	0.0%	66.2%
Weekly Max's		111,400	41,510	68,136	0	41,500	107,000	339,851	277,200	617,051	0	0.0%	73.2%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	308,758	249,600	249,600	558,358	30,695,163

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	4/4	5.32	5.10	0.04
Tue	4/5	5.30	5.10	0.04
Wed	4/6	5.30	5.10	
Thu	4/7	5.30	5.14	0.46
Fri	4/8	5.30	5.10	0.20
Sat	4/9	5.30	5.10	
Sun	4/10	5.30	5.10	
Weekly Total				0.74

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **122.98**

Based on Current Daily Average WTP Production Using Jefferies **122.98**

Based on Current (Permitted) Maximum Reservoir Safe Yield **102.32**

Unusual Usage	
Date	
4/4	500 Bulk Water Sales
4/5	9,200 Bulk Water Sales
4/6	
4/7	5,000 Bulk Water Sales
4/8	3,800 Bulk Water Sales
4/9	
4/10	
Total	18,500