

Town of Purcellville
Weekly Water Demand Report
 10/30/2017- 11/05/2017

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	10/30	122,700	34,644	60,394	0	23,600	82,400	323,738	273,800	597,538	35,500	13.0%	70.0%
Tue	10/31	121,700	34,209	60,014	0	22,400	63,000	301,323	209,400	510,723	27,900	13.3%	59.8%
Wed	11/1	112,300	32,913	57,872	0	26,000	50,900	279,985	223,900	503,885	29,600	13.2%	59.0%
Thu	11/2	121,400	31,926	56,238	0	17,600	50,700	277,864	295,000	572,864	37,700	12.8%	67.1%
Fri	11/3	126,400	38,056	67,041	0	24,800	52,000	308,297	261,800	570,097	33,700	12.9%	66.8%
Sat	11/4	124,300	40,998	72,071	0	21,200	50,600	309,169	194,100	503,269	26,600	13.7%	58.9%
Sun	11/5	114,100	30,378	53,769	0	19,100	63,400	280,747	192,000	472,747	25,900	13.5%	55.4%
Weekly Total		842,900	243,124	427,399	0	154,700	413,000	2,081,123	1,650,000	3,731,123	216,900		
Daily Avg's		120,414	34,732	61,057	0	22,100	59,000	297,303	235,714	533,018	30,986	13.1%	62.4%
Weekly Max's		126,400	40,998	72,071	0	26,000	82,400	323,738	295,000	597,538	37,700	13.7%	70.0%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	297,303	204,729	235,714	533,018	28,616,540

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	10/30	4.50	4.98	2.25
Tue	10/31	4.50	5.02	0.05
Wed	11/1	4.70	4.52	0.03
Thu	11/2	4.70	4.48	
Fri	11/3	4.70	4.45	
Sat	11/4	4.70	4.38	
Sun	11/5	4.78	4.50	0.48
Weekly Total				2.81

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	121.40
Based on Current Daily Average WTP Production Using Jefferies	139.78
Based on Current (Permitted) Maximum Reservoir Safe Yield	95.39

Bulk Water Usage	
Date	
10/30	
10/31	
11/1	
11/2	
11/3	
11/4	
11/5	
Total	0

Exceeds safe yield or permitted capacity