

Town of Purcellville
Weekly Water Demand Report
 5/28/2018- 06/03/2018

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	5/28	108,088	31,597	63,217	0	26,700	74,200	303,802	246,000	549,802	0	0.0%	64.4%
Tue	5/29	108,608	27,681	55,994	0	22,100	88,400	302,783	310,400	613,183	0	0.0%	71.8%
Wed	5/30	90,698	32,136	64,991	0	25,500	80,100	293,425	269,000	562,425	0	0.0%	65.9%
Thu	5/31	107,654	28,520	57,666	0	23,100	70,400	287,340	217,700	505,040	0	0.0%	59.1%
Fri	6/1	106,672	33,362	67,843	0	26,000	60,800	294,677	297,100	591,777	0	0.0%	69.3%
Sat	6/2	105,944	32,417	65,974	0	15,600	53,300	273,235	222,800	496,035	0	0.0%	58.1%
Sun	6/3	103,840	29,509	60,426	0	10,700	70,900	275,375	199,800	475,175	0	0.0%	55.6%
Weekly Total		731,504	215,222	436,111	0	149,700	498,100	2,030,637	1,762,800	3,793,437	0		
Daily Avg's		104,501	30,746	62,302	0	21,386	71,157	290,091	251,829	541,920	0	0.0%	63.5%
Weekly Max's		108,608	33,362	67,843	0	26,700	88,400	303,802	310,400	613,183	0	0.0%	71.8%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	290,091	251,829	251,829	541,920	31,238,285

Day	Date	Front Lake (5.6' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	5/28	5.76	5.26	0.04
Tue	5/29	5.76	5.10	
Wed	5/30	5.77	5.10	
Thu	5/31	5.80	5.02	0.24
Fri	6/1	5.70	5.10	1.00
Sat	6/2	5.76	5.10	0.55
Sun	6/3	5.76	5.20	1.50
Weekly Total				3.33

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	124.05
Based on Current Daily Average WTP Production Using Jefferies	124.05
Based on Current (Permitted) Maximum Reservoir Safe Yield	104.13

Bulk Water Usage

Date	
5/28	
5/29	
5/30	
5/31	
6/1	
6/2	
6/3	
Total	0

Exceeds safe yield or permitted capacity