

Town of Purcellville
Weekly Water Demand Report
 8/13/2018- 08/19/2018

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	8/13	98,486	29,992	60,300	0	28,100	65,000	281,878	306,600	588,478	0	0.0%	68.9%
Tue	8/14	97,570	30,441	60,781	0	26,600	60,900	276,292	311,300	587,592	0	0.0%	68.8%
Wed	8/15	81,264	29,582	58,879	0	24,900	64,800	259,425	303,700	563,125	0	0.0%	65.9%
Thu	8/16	89,739	29,718	59,167	0	24,400	58,100	261,124	318,200	579,324	0	0.0%	67.8%
Fri	8/17	88,220	33,165	66,666	0	26,800	84,800	299,651	295,000	594,651	0	0.0%	69.6%
Sat	8/18	88,695	34,134	68,255	0	24,100	64,600	279,784	261,200	540,984	0	0.0%	63.3%
Sun	8/19	86,760	31,199	62,532	0	23,000	77,200	280,691	247,900	528,591	0	0.0%	61.9%
Weekly Total		630,734	218,231	436,580	0	177,900	475,400	1,938,845	2,043,900	3,982,745	0		
Daily Avg's		90,105	31,176	62,369	0	25,414	67,914	276,978	291,986	568,964	0	0.0%	66.6%
Weekly Max's		98,486	34,134	68,255	0	28,100	84,800	299,651	318,200	594,651	0	0.0%	69.6%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	276,978	291,986	291,986	568,964	30,527,530

Day	Date	Front Lake (5.6' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	8/13	5.78	4.94	0.10
Tue	8/14	5.74	4.94	0.02
Wed	8/15	5.74	4.94	0.12
Thu	8/16	5.74	4.94	
Fri	8/17	5.74	4.94	
Sat	8/18	5.64	5.00	0.27
Sun	8/19	5.58	5.00	0.22
Weekly Total		5.73	5.00	0.73

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	104.55
Based on Current Daily Average WTP Production Using Jefferies	104.55
Based on Current (Permitted) Maximum Reservoir Safe Yield	101.76

Bulk Water Usage

Date	
8/13	
8/14	
8/15	
8/16	
8/17	
8/18	
8/19	
Total	0

Exceeds safe yield or permitted capacity