

Town of Purcellville
Weekly Water Demand Report
 7/30/2018- 08/05/2018

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	7/30	107,252	30,722	59,917	0	26,800	51,000	275,691	270,200	545,891	0	0.0%	63.9%
Tue	7/31	93,872	29,489	57,948	0	27,900	44,300	253,509	248,800	502,309	0	0.0%	58.8%
Wed	8/1	105,023	31,206	61,157	0	28,500	51,000	276,886	213,600	490,486	0	0.0%	57.4%
Thu	8/2	94,415	29,289	57,374	0	25,500	64,300	270,878	222,700	493,578	0	0.0%	57.8%
Fri	8/3	107,129	27,090	62,333	0	29,700	51,000	277,252	284,900	562,152	0	0.0%	65.8%
Sat	8/4	102,826	32,640	75,267	0	27,600	51,400	289,733	234,000	523,733	0	0.0%	61.3%
Sun	8/5	95,387	27,746	54,282	0	21,800	64,600	263,815	246,800	510,615	0	0.0%	59.8%
Weekly Total		705,904	208,182	428,278	0	187,800	377,600	1,907,764	1,721,000	3,628,764	0		
Daily Avg's		100,843	29,740	61,183	0	26,829	53,943	272,538	245,857	518,395	0	0.0%	60.7%
Weekly Max's		107,252	32,640	75,267	0	29,700	64,600	289,733	284,900	562,152	0	0.0%	65.8%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	272,538	245,857	245,857	518,395	30,779,647

Day	Date	Front Lake (5.6' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	7/30	5.59	5.00	
Tue	7/31	5.62	5.08	0.94
Wed	8/1	5.66	5.10	0.40
Thu	8/2	5.60	5.04	0.20
Fri	8/3	5.60	5.10	0.45
Sat	8/4	5.64	5.10	0.47
Sun	8/5	5.64	5.08	
Weekly Total				2.46

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	125.19
Based on Current Daily Average WTP Production Using Jefferies	125.19
Based on Current (Permitted) Maximum Reservoir Safe Yield	102.60

Bulk Water Usage

Date	
7/30	
7/31	
8/1	
8/2	
8/3	
8/4	
8/5	
Total	0

Exceeds safe yield or permitted capacity