

Town of Purcellville
Weekly Water Demand Report
 07/03/2017- 07/09/2017

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	7/3	116,500	36,464	55,546	0	23,500	85,500	317,510	343,900	661,410	0	0.0%	77.4%
Tue	7/4	106,200	36,565	55,960	0	24,000	65,600	288,325	250,700	539,025	0	0.0%	63.1%
Wed	7/5	120,900	38,766	59,213	0	27,100	81,500	327,479	337,400	664,879	0	0.0%	77.9%
Thu	7/6	107,200	40,772	62,219	0	25,700	52,700	288,591	211,900	500,491	0	0.0%	58.6%
Fri	7/7	128,500	40,035	61,334	0	22,200	52,600	304,669	278,100	582,769	0	0.0%	68.2%
Sat	7/8	112,100	45,190	69,051	0	32,100	47,600	306,041	230,200	536,241	0	0.0%	62.8%
Sun	7/9	121,100	38,183	58,205	0	20,100	41,300	278,888	237,600	516,488	0	0.0%	60.5%
Weekly Total		812,500	275,975	421,528	0	174,700	426,800	2,111,503	1,889,800	4,001,303	0		
Daily Avg's		116,071	39,425	60,218	0	24,957	60,971	301,643	269,971	571,615	0	0.0%	66.9%
Weekly Max's		128,500	45,190	69,051	0	32,100	85,500	327,479	343,900	664,879	0	0.0%	77.9%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	301,643	269,971	269,971	571,615	31,327,316

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	7/3	5.10	5.08	
Tue	7/4	5.04	5.04	
Wed	7/5	5.00	5.02	0.10
Thu	7/6	5.45	5.60	3.75
Fri	7/7	5.58	5.30	0.80
Sat	7/8	5.52	5.20	0.02
Sun	7/9	5.51	5.16	
Weekly Total				4.67

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **116.04**

Based on Current Daily Average WTP Production Using Jefferies **116.04**

Based on Current (Permitted) Maximum Reservoir Safe Yield **104.42**

Bulk Water Usage	
Date	
7/3	
7/4	
7/5	48,400 Bulk Water Sales
7/6	
7/7	
7/8	
7/9	
Total	48,400

Exceeds safe yield or permitted capacity