

Town of Purcellville
Weekly Water Demand Report
 02/20/2017- 02/26/2017

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	2/20	111,500	36,162	62,817	0	30,200	66,700	307,379	205,900	513,279	42,900	20.8%	60.1%
Tue	2/21	115,800	38,135	65,938	0	29,400	69,600	318,873	259,300	578,173	52,500	20.2%	67.7%
Wed	2/22	110,800	33,526	58,340	0	25,100	51,000	278,766	227,900	506,666	45,400	19.9%	59.3%
Thu	2/23	102,500	38,017	66,060	0	31,200	53,500	291,277	209,200	500,477	41,900	20.0%	58.6%
Fri	2/24	118,400	36,799	64,550	0	26,100	54,500	300,349	264,900	565,249	52,700	19.9%	66.2%
Sat	2/25	109,700	37,625	65,330	0	28,300	52,000	292,955	172,200	465,155	32,800	19.0%	54.5%
Sun	2/26	114,200	35,198	61,189	0	27,000	50,900	288,487	170,400	458,887	36,000	21.1%	53.7%
Weekly Total		782,900	255,462	444,224	0	197,300	398,200	2,078,086	1,509,800	3,587,886	304,200		
Daily Avg's		111,843	36,495	63,461	0	28,186	56,886	296,869	215,686	512,555	43,457	20.1%	60.0%
Weekly Max's		118,400	38,135	66,060	0	31,200	69,600	318,873	264,900	578,173	52,700	21.1%	67.7%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	296,869	172,229	215,686	512,555	31,000,921

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	2/20	5.42	4.85	
Tue	2/21	5.38	5.00	
Wed	2/22	5.38	5.06	
Thu	2/23	5.36	5.10	
Fri	2/24	5.38	5.10	
Sat	2/25	5.36	5.16	
Sun	2/26	5.38	5.18	0.50
Weekly Total				0.50

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	143.73
Based on Current Daily Average WTP Production Using Jefferies	180.00
Based on Current (Permitted) Maximum Reservoir Safe Yield	103.34

Unusual Usage	
Date	
2/20	
2/21	
2/22	
2/23	
2/24	
2/25	
2/26	
Total	0

Exceeds safe yield or permitted capacity