

Town of Purcellville
Weekly Water Demand Report
 11/06/2017- 11/12/2017

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	11/6	119,800	32,885	58,054	0	22,500	57,200	290,439	273,900	564,339	38,000	13.9%	66.1%
Tue	11/7	119,800	35,074	52,778	0	26,000	50,900	284,552	205,700	490,252	27,300	13.3%	57.4%
Wed	11/8	125,700	34,975	70,774	0	21,700	51,000	304,149	182,800	486,949	24,400	13.3%	57.0%
Thu	11/9	124,500	31,041	55,241	0	26,300	55,200	292,282	209,300	501,582	28,000	13.4%	58.7%
Fri	11/10	120,900	35,809	63,181	0	27,700	66,300	313,890	237,300	551,190	34,000	14.3%	64.5%
Sat	11/11	119,600	39,163	68,830	0	25,300	50,900	303,793	200,000	503,793	28,000	14.0%	59.0%
Sun	11/12	125,600	33,395	59,107	0	19,800	51,000	288,902	228,200	517,102	32,100	14.1%	60.6%
Weekly Total		855,900	242,342	427,965	0	169,300	382,500	2,078,007	1,537,200	3,615,207	211,800		
Daily Avg's		122,271	34,620	61,138	0	24,186	54,643	296,858	219,600	516,458	30,257	13.8%	60.5%
Weekly Max's		125,700	39,163	70,774	0	27,700	66,300	313,890	273,900	564,339	38,000	14.3%	66.1%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	296,858	189,343	219,600	516,458	29,667,031

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	11/6	4.82	4.54	0.03
Tue	11/7	4.82	4.50	0.16
Wed	11/8	4.90	5.00	0.60
Thu	11/9	4.95	5.00	0.10
Fri	11/10	5.04	4.82	0.05
Sat	11/11	5.14	4.64	
Sun	11/12	5.22	4.38	
Weekly Total				0.94

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	135.10
Based on Current Daily Average WTP Production Using Jefferies	156.68
Based on Current (Permitted) Maximum Reservoir Safe Yield	98.89

Bulk Water Usage	
Date	
11/6	
11/7	
11/8	
11/9	
11/10	
11/11	
11/12	
Total	0

Exceeds safe yield or permitted capacity