

Town of Purcellville
Weekly Water Demand Report
 11/20/2017- 11/26/2017

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	11/20	126,900	33,231	58,804	0	31,300	76,300	326,535	236,000	562,535	13,000	5.5%	65.9%
Tue	11/21	119,700	32,920	58,036	0	14,100	77,900	302,656	286,300	588,956	0	0.0%	69.0%
Wed	11/22	128,800	38,491	67,661	0	24,000	51,000	309,952	214,900	524,852	0	0.0%	61.5%
Thu	11/23	120,400	37,252	65,650	0	23,200	51,000	297,502	204,400	501,902	0	0.0%	58.8%
Fri	11/24	117,500	37,320	65,580	0	22,500	51,100	294,000	186,600	480,600	0	0.0%	56.3%
Sat	11/25	128,500	37,732	66,158	0	23,100	51,300	306,790	185,000	491,790	26,400	14.3%	57.6%
Sun	11/26	120,500	37,868	67,286	0	24,800	57,600	308,054	220,800	528,854	31,200	14.1%	61.9%
Weekly Total		862,300	254,814	449,175	0	163,000	416,200	2,145,489	1,534,000	3,679,489	70,600		
Daily Avg's		123,186	36,402	64,168	0	23,286	59,457	306,498	219,143	525,641	10,086	4.6%	61.6%
Weekly Max's		128,800	38,491	67,661	0	31,300	77,900	326,535	286,300	588,956	31,200	14.3%	69.0%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	306,498	209,057	219,143	525,641	29,127,482

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	11/20	5.10	4.56	
Tue	11/21	5.00	4.68	0.06
Wed	11/22	4.90	4.80	
Thu	11/23	4.90	4.76	
Fri	11/24	4.90	4.76	
Sat	11/25	4.89	4.76	
Sun	11/26	4.86	4.76	
Weekly Total				0.06

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **132.92**

Based on Current Daily Average WTP Production Using Jefferies **139.33**

Based on Current (Permitted) Maximum Reservoir Safe Yield **97.09**

Bulk Water Usage	
Date	
11/20	
11/21	8,200 Bulk Water Sales
11/22	
11/23	
11/24	
11/25	
11/26	
Total	8,200

Exceeds safe yield or permitted capacity