

Town of Purcellville
Weekly Water Demand Report
 11/27/2017- 12/03/2017

Notes:

Jefferies Well out of service on 11/30/2017 for repairs.

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	11/27	122,800	31,453	55,710	0	21,200	51,400	282,563	288,100	570,663	39,100	13.6%	66.8%
Tue	11/28	118,500	33,362	58,946	0	22,800	52,200	285,808	266,300	552,108	34,800	13.1%	64.6%
Wed	11/29	116,800	31,061	55,094	0	21,500	50,400	274,855	212,800	487,655	28,700	13.5%	57.1%
Thu	11/30	126,900	34,960	61,947	0	24,000	51,500	299,307	250,000	549,307	400	0.2%	64.3%
Fri	12/1	117,600	33,747	60,062	0	27,100	51,500	290,009	287,000	577,009	39,800	13.9%	67.6%
Sat	12/2	127,700	38,674	68,368	0	23,000	51,300	309,042	166,400	475,442	22,600	13.6%	55.7%
Sun	12/3	119,900	32,698	57,913	0	21,600	51,400	283,511	205,700	489,211	26,700	13.0%	57.3%
Weekly Total		850,200	235,955	418,040	0	161,200	359,700	2,025,095	1,676,300	3,701,395	192,100		
Daily Avg's		121,457	33,708	59,720	0	23,029	51,386	289,299	239,471	528,771	27,443	11.5%	61.9%
Weekly Max's		127,700	38,674	68,368	0	27,100	52,200	309,042	288,100	577,009	39,800	13.9%	67.6%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	289,299	212,029	239,471	528,771	28,743,958

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	11/27	4.85	4.79	
Tue	11/28	4.89	4.66	
Wed	11/29	4.89	4.52	
Thu	11/30	4.90	4.46	
Fri	12/1	4.90	4.40	
Sat	12/2	4.90	4.38	
Sun	12/3	4.90	4.32	0.14
Weekly Total				0.14

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	120.03
Based on Current Daily Average WTP Production Using Jefferies	135.57
Based on Current (Permitted) Maximum Reservoir Safe Yield	95.81

Bulk Water Usage

Date	
11/27	
11/28	
11/29	
11/30	
12/1	
12/2	
12/3	
Total	0

Exceeds safe yield or permitted capacity