

Town of Purcellville
Weekly Water Demand Report
 11/28/2016 - 12/04/2016

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	11/28	105,600	42,529	64,538	37,200	21,900	71,200	342,967	183,200	526,167	53,300	29.1%	58.9%
Tue	11/29	108,600	63,228	65,520	38,800	35,900	74,700	386,748	165,200	551,948	37,300	22.6%	61.7%
Wed	11/30	103,700	24,998	68,825	29,900	50,100	74,700	352,223	98,500	450,723	38,100	38.7%	50.4%
Thu	12/1	111,600	36,643	56,468	33,700	58,700	116,600	413,711	157,500	571,211	32,400	20.6%	63.9%
Fri	12/2	107,300	43,811	67,152	39,800	38,100	64,600	360,763	149,800	510,563	32,000	21.4%	57.1%
Sat	12/3	103,600	41,749	64,680	8,280	43,500	72,900	334,709	149,000	483,709	30,500	20.5%	54.1%
Sun	12/4	106,200	41,897	64,484	0	40,400	72,600	325,581	136,100	461,681	27,900	20.5%	51.6%
Weekly Total		746,600	294,855	451,667	187,680	288,600	547,300	2,516,702	1,039,300	3,556,002	251,500		
Daily Avg's		106,657	42,122	64,524	26,811	41,229	78,186	359,529	148,471	508,000	35,929	24.2%	56.8%
Weekly Max's		111,600	63,228	68,825	39,800	58,700	116,600	413,711	183,200	571,211	53,300	38.7%	63.9%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	359,529	112,543	148,471	508,000	17,179,644

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	11/28	1.52	0.90	
Tue	11/29	1.70	0.40	0.12
Wed	11/30	1.70	0.40	0.70
Thu	12/1	1.75	0.90	0.85
Fri	12/2	1.80	0.86	
Sat	12/3	1.80	0.70	
Sun	12/4	1.70	0.70	
Weekly Total				1.67

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production		115.71
Based on Current Daily Average WTP Production Using Jefferies		152.65
Based on Current (Permitted) Maximum Reservoir Safe Yield		57.27

Bulk Water Usage

Date	
11/28	
11/29	
11/30	
12/1	
12/2	
12/3	
12/4	
Total	0

Notes: Hirst Well turned off on 12/3/2016 due to presence of E. coli in raw water sample.

Exceeds safe yield or permitted capacity