

Town of Purcellville
Weekly Water Demand Report
 10/15/2017- 10/21/2017

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	10/15	110,200	33,379	54,866	0	20,600	66,500	285,545	218,000	503,545	29,700	13.6%	59.0%
Tue	10/16	121,500	39,118	64,114	0	24,500	75,700	324,932	251,000	575,932	33,400	13.3%	67.4%
Wed	10/17	112,300	30,592	52,494	0	24,200	76,800	296,386	295,800	592,186	38,100	12.9%	69.3%
Thu	10/18	114,200	34,525	58,526	0	25,300	73,200	305,751	218,200	523,951	29,100	13.3%	61.4%
Fri	10/19	119,200	35,406	59,751	0	23,500	71,700	309,557	230,000	539,557	30,200	13.1%	63.2%
Sat	10/20	129,200	35,536	60,575	0	20,500	81,600	327,411	288,000	615,411	38,100	13.2%	72.1%
Sun	10/21	119,300	39,407	66,963	0	21,800	65,700	313,170	184,800	497,970	24,600	13.3%	58.3%
Weekly Total		825,900	247,963	417,289	0	160,400	511,200	2,162,752	1,685,800	3,848,552	223,200		
Daily Avg's		117,986	35,423	59,613	0	22,914	73,029	308,965	240,829	549,793	31,886	13.2%	64.4%
Weekly Max's		129,200	39,407	66,963	0	25,300	81,600	327,411	295,800	615,411	38,100	13.6%	72.1%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	308,965	208,943	240,829	549,793	26,185,592

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	10/15	4.55	3.60	
Tue	10/16	4.52	3.50	0.11
Wed	10/17	4.50	3.42	
Thu	10/18	4.50	3.34	
Fri	10/19	4.50	3.32	
Sat	10/20	4.48	3.30	
Sun	10/21	4.44	3.06	
Weekly Total		■ ■ ■	■ ■ ■	0.11

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	108.73
Based on Current Daily Average WTP Production Using Jefferies	125.32
Based on Current (Permitted) Maximum Reservoir Safe Yield	87.29

Bulk Water Usage	
Date	
10/15	
10/16	
10/17	
10/18	17,000 Bulk Water Sales
10/19	
10/20	
10/21	
Total	17,000 ■ ■ ■ ■ ■

Exceeds safe yield or permitted capacity