

Town of Purcellville
Weekly Water Demand Report
 10/31/2016 - 11/06/2016

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	10/31	36,600	32,126	62,862	34,200	23,200	82,700	271,688	262,500	534,188	49,000	18.7%	59.8%
Tue	11/1	88,000	39,531	63,141	37,000	26,100	81,100	334,872	195,300	530,172	36,900	18.9%	59.3%
Wed	11/2	103,600	41,191	63,307	34,200	32,500	80,000	354,798	167,500	522,298	35,500	21.2%	58.4%
Thu	11/3	97,000	39,794	59,943	31,500	32,700	69,100	330,037	158,300	488,337	32,800	20.7%	54.6%
Fri	11/4	108,500	45,764	69,714	36,700	34,100	79,900	374,678	166,100	540,778	33,600	20.2%	60.5%
Sat	11/5	108,800	46,865	70,846	35,100	27,800	67,200	356,611	143,100	499,711	29,100	20.3%	55.9%
Sun	11/6	106,400	42,078	63,768	33,100	29,200	64,300	338,846	125,600	464,446	27,900	22.2%	52.0%
Weekly Total		648,900	287,349	453,581	241,800	205,600	524,300	2,361,530	1,218,400	3,579,930	244,800		
Daily Avg's		92,700	41,050	64,797	34,543	29,371	74,900	337,361	174,057	511,419	34,971	20.1%	57.2%
Weekly Max's		108,800	46,865	70,846	37,000	34,100	82,700	374,678	262,500	540,778	49,000	22.2%	60.5%

Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)	
Daily Average Usages:	337,361	139,086	174,057	511,419	18,921,792

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	10/31	2.45	1.50	0.05
Tue	11/1	2.35	1.52	
Wed	11/2	2.45	1.39	
Thu	11/3	2.55	1.29	
Fri	11/4	2.40	1.25	0.05
Sat	11/5	2.50	0.80	
Sun	11/6	2.50	0.50	
Weekly Total				0.10

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **108.71**

Based on Current Daily Average WTP Production Using Jefferies **136.04**

Based on Current (Permitted) Maximum Reservoir Safe Yield **63.07**

Bulk Water Usage	
Date	
10/31	
11/1	
11/2	
11/3	
11/4	
11/5	
11/6	
Total	0

Notes: Main Street Well #1 was off-line on 10-31-2016 for pump and column pipe replacement.

Exceeds safe yield or permitted capacity