

Town of Purcellville
Weekly Water Demand Report
 11/16/2015- 11/22/2015

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	11/16	88,900	15,992	47,916	0	29,100	72,300	254,208	276,000	530,208	33,700	12.2%	62.9%
Tue	11/17	97,700	39,121	58,002	0	28,400	52,300	275,523	222,000	497,523	27,400	12.3%	59.0%
Wed	11/18	102,100	33,742	59,178	0	32,800	56,000	283,820	239,800	523,620	24,900	10.4%	62.1%
Thu	11/19	111,700	34,109	61,583	0	32,000	55,200	294,592	180,100	474,692	20,800	11.5%	56.3%
Fri	11/20	113,900	32,053	71,328	0	32,200	63,800	313,281	272,400	585,681	35,300	13.0%	69.5%
Sat	11/21	102,500	29,052	64,395	0	0	56,200	252,147	215,700	467,847	28,400	13.2%	55.5%
Sun	11/22	90,900	26,028	57,752	0	0	66,600	241,280	223,800	465,080	25,900	11.6%	55.2%
Weekly Total		707,700	210,097	420,154	0	154,500	422,400	1,914,851	1,629,800	3,544,651	196,400		
Daily Avg's		101,100	30,014	60,022	0	22,071	60,343	273,550	232,829	506,379	28,057	12.1%	60.1%
Weekly Max's		113,900	39,121	71,328	0	32,800	72,300	313,281	276,000	585,681	35,300	13.2%	69.5%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	273,550	204,771	232,829	506,379	29,206,596

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	11/16	4.74	4.61	
Tue	11/17	4.72	4.54	
Wed	11/18	4.72	4.54	
Thu	11/19	4.80	4.75	0.70
Fri	11/20	5.00	4.52	0.03
Sat	11/21	5.00	4.50	
Sun	11/22	5.00	4.50	
Weekly Total				0.73

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **125.44**

Based on Current Daily Average WTP Production Using Jefferies **142.63**

Based on Current (Permitted) Maximum Reservoir Safe Yield **97.36**

Unusual Usage	
Date	
11/16	
11/17	
11/18	
11/19	
11/20	
11/21	
11/22	
Total	0