

Town of Purcellville
Weekly Water Demand Report
 11/23/2015- 11/29/2015

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	11/23	94,600	26,194	57,671	0	25,300	80,100	283,865	276,200	560,065	23,600	8.5%	66.4%
Tue	11/24	94,900	28,322	63,023	0	26,600	75,100	287,945	269,800	557,745	32,500	12.0%	66.2%
Wed	11/25	101,900	29,869	66,658	0	31,800	44,000	274,227	219,600	493,827	23,500	10.7%	58.6%
Thu	11/26	99,500	29,669	65,947	0	0	59,900	255,016	214,800	469,816	26,600	12.4%	55.7%
Fri	11/27	114,600	33,617	74,955	0	0	51,800	274,972	202,700	477,672	29,800	14.7%	56.7%
Sat	11/28	103,900	30,199	67,619	0	0	45,900	247,618	189,900	437,518	26,500	14.0%	51.9%
Sun	11/29	94,800	26,625	59,393	0	0	68,000	248,818	207,400	456,218	31,300	15.1%	54.1%
Weekly Total		704,200	204,495	455,266	0	83,700	424,800	1,872,461	1,580,400	3,452,861	193,800		
Daily Avg's		100,600	29,214	65,038	0	11,957	60,686	267,494	225,771	493,266	27,686	12.3%	58.5%
Weekly Max's		114,600	33,617	74,955	0	31,800	80,100	287,945	276,200	560,065	32,500	15.1%	66.4%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	267,494	198,086	225,771	493,266	29,280,361

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	11/23	5.00	4.58	
Tue	11/24	5.00	4.60	
Wed	11/25	4.92	4.60	
Thu	11/26	4.90	4.62	
Fri	11/27	4.90	4.66	
Sat	11/28	4.90	4.70	
Sun	11/29	4.90	4.80	0.40
Weekly Total				

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **129.69**

Based on Current Daily Average WTP Production Using Jefferies **147.82**

Based on Current (Permitted) Maximum Reservoir Safe Yield **97.60**

Unusual Usage		
Date		
11/23	UK	Mayfair filling water line
11/24		
11/25		
11/26		
11/27		
11/28		
11/29		
Total	0	