

Town of Purcellville
Weekly Water Demand Report
 09/07/2015- 09/13/2015

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	9/7	93,700	32,867	59,794	0	0	67,400	253,761	310,400	564,161	31,600	10.2%	66.9%
Tue	9/8	96,000	32,483	58,967	0	48,500	89,000	324,950	279,200	604,150	26,900	9.6%	71.7%
Wed	9/9	88,500	30,659	55,953	0	46,100	83,800	305,012	280,000	585,012	32,700	11.7%	69.4%
Thu	9/10	97,800	33,441	61,098	0	31,200	70,500	294,039	211,000	505,039	18,900	9.0%	59.9%
Fri	9/11	89,900	32,224	59,256	0	34,100	58,900	274,380	255,000	529,380	20,400	8.0%	62.8%
Sat	9/12	93,000	36,084	66,471	0	0	68,700	264,255	219,000	483,255	10,100	4.6%	57.3%
Sun	9/13	98,800	35,516	65,478	0	0	57,400	257,194	216,000	473,194	19,200	8.9%	56.1%
Weekly Total		657,700	233,274	427,017	0	159,900	495,700	1,973,591	1,770,600	3,744,191	159,800		
Daily Avg's		93,957	33,325	61,002	0	22,843	70,814	281,942	252,943	534,884	22,829	9.0%	63.5%
Weekly Max's		98,800	36,084	66,471	0	48,500	89,000	324,950	310,400	604,150	32,700	11.7%	71.7%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	281,942	230,114	252,943	534,884	28,179,364

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	9/7	4.85	4.30	
Tue	9/8	4.85	4.30	
Wed	9/9	4.70	4.24	
Thu	9/10	4.62	4.22	0.16
Fri	9/11	4.60	4.28	0.03
Sat	9/12	4.58	4.28	
Sun	9/13	4.60	4.54	0.62
Weekly Total				0.81

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	111.41
Based on Current Daily Average WTP Production Using Jefferies	122.46
Based on Current (Permitted) Maximum Reservoir Safe Yield	93.93

Unusual Usage	
Date	
9/7	
9/8	
9/9	5,000 Hydrant Flush
9/10	
9/11	
9/12	
9/13	
Total	5,000