

Town of Purcellville
Weekly Water Demand Report
 05/22/2017- 05/28/2017

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	5/22	116,100	31,467	63,154	0	33,000	62,700	306,421	311,100	617,521	0	0.0%	72.3%
Tue	5/23	118,800	33,160	66,164	0	32,400	52,300	302,824	294,000	596,824	0	0.0%	69.9%
Wed	5/24	114,600	30,840	62,200	0	31,200	53,100	291,940	238,000	529,940	0	0.0%	62.1%
Thu	5/25	110,000	28,020	55,170	0	29,800	52,600	275,590	286,800	562,390	0	0.0%	65.9%
Fri	5/26	111,200	32,056	64,256	0	29,700	52,900	290,112	262,300	552,412	0	0.0%	64.7%
Sat	5/27	123,700	34,384	68,489	0	0	52,700	279,273	189,300	468,573	0	0.0%	54.9%
Sun	5/28	109,600	29,725	59,737	0	0	52,800	251,862	223,800	475,662	0	0.0%	55.7%
Weekly Total		804,000	219,652	439,170	0	156,100	379,100	1,998,022	1,805,300	3,803,322	0		
Daily Avg's		114,857	31,379	62,739	0	22,300	54,157	285,432	257,900	543,332	0	0.0%	63.6%
Weekly Max's		123,700	34,384	68,489	0	33,000	62,700	306,421	311,100	617,521	0	0.0%	72.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	285,432	257,900	257,900	543,332	31,550,625

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	5/22	5.58	5.20	0.40
Tue	5/23	5.55	5.14	0.02
Wed	5/24	5.54	5.16	0.32
Thu	5/25	5.61	5.30	0.84
Fri	5/26	5.60	5.22	0.68
Sat	5/27	5.58	5.18	
Sun	5/28	5.60	5.14	0.15
Weekly Total				2.41

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production 122.34

Based on Current Daily Average WTP Production Using Jefferies 122.34

Based on Current (Permitted) Maximum Reservoir Safe Yield 105.17

Bulk Water Usage		
Date		
5/22	32,100	Bulk Water Sales
5/23	34,700	Bulk Water Sales
5/24	26,000	Bulk Water Sales
5/25	40,300	Bulk Water Sales
5/26		
5/27		
5/28		
Total	133,100	

Exceeds safe yield or permitted capacity