

Town of Purcellville
Weekly Water Demand Report
 06/27/2016 - 07/03/2016

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	6/27	119,600	34,613	60,845	0	38,200	53,500	306,758	283,300	590,058	0	0.0%	70.0%
Tue	6/28	105,900	33,357	58,449	0	25,100	55,200	278,006	302,000	580,006	0	0.0%	68.8%
Wed	6/29	119,400	36,260	63,418	0	24,500	51,000	294,578	302,400	596,978	0	0.0%	70.8%
Thu	6/30	123,700	34,943	60,932	0	25,100	49,800	294,475	290,600	585,075	0	0.0%	69.4%
Fri	7/1	113,100	41,106	72,167	0	25,100	51,400	302,873	306,800	609,673	0	0.0%	72.3%
Sat	7/2	112,600	38,868	67,965	0	33,400	55,800	308,633	204,100	512,733	0	0.0%	60.8%
Sun	7/3	118,800	37,311	65,173	0	0	59,400	280,684	228,100	508,784	0	0.0%	60.4%
Weekly Total		813,100	256,458	448,949	0	171,400	376,100	2,066,007	1,917,300	3,983,307	0	0.0%	
Daily Avg's		116,157	36,637	64,136	0	24,486	53,729	295,144	273,900	569,044	0	0.0%	67.5%
Weekly Max's		123,700	41,106	72,167	0	38,200	59,400	308,633	306,800	609,673	0	0.0%	72.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	295,144	273,900	273,900	569,044	28,532,735

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	6/27	4.70	5.10	
Tue	6/28	4.66	5.10	
Wed	6/29	4.60	5.10	0.06
Thu	6/30	4.60	5.08	
Fri	7/1	4.58	5.06	
Sat	7/2	4.50	5.10	
Sun	7/3	4.60	4.85	
Weekly Total		▪	▪	0.06

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **104.17**

Based on Current Daily Average WTP Production Using Jefferies **104.17**

Based on Current (Permitted) Maximum Reservoir Safe Yield **95.11**

Unusual Usage		
Date		
6/27	32,300	Bulk Water Sales
6/28	63,400	Bulk Water Sales
6/29	14,200	Bulk Water Sales
6/30	63,900	Bulk Water Sales
7/1	26,300	Bulk Water Sales
7/2		
7/3		
Total	200,100	▪ ▪ ▪ ▪

Exceeds safe yield or permitted capacity