

Town of Purcellville
Weekly Water Demand Report
 06/26/2017- 07/02/2017

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	6/26	116,200	37,605	57,578	0	28,500	76,400	316,283	317,000	633,283	0	0.0%	74.2%
Tue	6/27	118,100	39,057	59,660	0	27,600	63,200	307,617	284,300	591,917	0	0.0%	69.3%
Wed	6/28	112,000	41,798	63,928	0	32,700	75,600	326,026	302,300	628,326	0	0.0%	73.6%
Thu	6/29	120,000	41,526	63,259	0	28,900	85,600	339,285	289,500	628,785	0	0.0%	73.6%
Fri	6/30	115,100	38,190	58,329	0	24,400	85,100	321,119	283,400	604,519	0	0.0%	70.8%
Sat	7/1	118,800	41,984	64,009	0	25,500	79,900	330,193	298,600	628,793	0	0.0%	73.6%
Sun	7/2	121,200	42,545	64,717	0	23,600	82,500	334,562	242,000	576,562	0	0.0%	67.5%
Weekly Total		821,400	282,705	431,480	0	191,200	548,300	2,275,085	2,017,100	4,292,185	0		
Daily Avg's		117,343	40,386	61,640	0	27,314	78,329	325,012	288,157	613,169	0	0.0%	71.8%
Weekly Max's		121,200	42,545	64,717	0	32,700	85,600	339,285	317,000	633,283	0	0.0%	74.2%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	325,012	288,157	288,157	613,169	30,158,748

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	6/26	5.24	5.08	
Tue	6/27	5.20	5.08	
Wed	6/28	5.12	5.10	
Thu	6/29	5.08	5.08	
Fri	6/30	5.05	5.07	
Sat	7/1	5.00	5.05	
Sun	7/2	5.10	5.10	1.58
Weekly Total				

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **104.66**

Based on Current Daily Average WTP Production Using Jefferies **104.66**

Based on Current (Permitted) Maximum Reservoir Safe Yield **100.53**

Bulk Water Usage	
Date	
6/26	32,300 Bulk Water Sales
6/27	
6/28	9,500 Bulk Water Sales
6/29	
6/30	
7/1	
7/2	
Total	41,800

Exceeds safe yield or permitted capacity