

Town of Purcellville
Weekly Water Demand Report
 09/26/2016 - 10/02/2016

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	9/26	98,500	31,176	59,296	0	33,600	86,600	309,172	278,000	587,172	46,800	16.8%	69.7%
Tue	9/27	104,000	36,351	70,071	0	31,600	81,700	323,722	276,000	599,722	46,500	16.8%	71.1%
Wed	9/28	106,200	30,547	58,371	0	30,100	84,700	309,918	226,400	536,318	39,700	17.5%	63.6%
Thu	9/29	106,000	31,976	60,849	0	23,800	82,400	305,025	214,400	519,425	34,300	16.0%	61.6%
Fri	9/30	105,200	37,369	70,923	0	29,100	90,100	332,692	212,000	544,692	32,700	15.4%	64.6%
Sat	10/1	102,800	33,980	64,825	0	14,400	53,800	269,805	200,000	469,805	28,600	14.3%	55.7%
Sun	10/2	105,400	33,326	63,606	0	0	72,700	275,032	235,400	510,432	29,400	12.5%	60.5%
Weekly Total		728,100	234,725	447,941	0	162,600	552,000	2,125,366	1,642,200	3,767,566	258,000		
Daily Avg's		104,014	33,532	63,992	0	23,229	78,857	303,624	234,600	538,224	36,857	15.7%	63.8%
Weekly Max's		106,200	37,369	70,923	0	33,600	90,100	332,692	278,000	599,722	46,800	17.5%	71.1%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	303,624	197,743	234,600	538,224	24,458,219

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	9/26	2.60	1.30	
Tue	9/27	2.40	1.26	0.10
Wed	9/28	2.30	1.20	0.04
Thu	9/29	2.90	3.10	3.39
Fri	9/30	3.65	2.65	0.87
Sat	10/1	4.10	1.80	0.26
Sun	10/2	4.30	1.65	0.02
Weekly Total				4.68

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	104.25
Based on Current Daily Average WTP Production Using Jefferies	123.69
Based on Current (Permitted) Maximum Reservoir Safe Yield	81.53

Bulk Water Usage

Date	
9/26	
9/27	
9/28	
9/29	
9/30	
10/1	
10/2	
Total	0

Notes:

Exceeds safe yield or permitted capacity