

Town of Purcellville  
**Weekly Water Demand Report**  
 07/25/2016 - 07/31/2016

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	7/25	105,500	32,920	59,085	0	39,300	85,800	322,605	253,000	575,605	36,500	14.4%	68.3%
Tue	7/26	98,600	33,564	60,200	0	21,600	82,200	296,164	225,700	521,864	36,800	16.3%	61.9%
Wed	7/27	110,900	34,255	56,880	0	23,100	82,400	307,535	263,600	571,135	42,100	16.0%	67.8%
Thu	7/28	109,300	35,759	68,952	0	23,100	82,300	319,411	243,600	563,011	38,400	15.8%	66.8%
Fri	7/29	90,500	32,723	58,948	0	19,800	81,100	283,071	191,500	474,571	29,900	15.6%	56.3%
Sat	7/30	132,600	45,426	81,765	0	0	67,900	327,691	226,000	553,691	35,900	15.9%	65.7%
Sun	7/31	79,800	29,098	52,315	0	0	50,600	211,813	220,400	432,213	35,800	16.2%	51.3%
<b>Weekly Total</b>		<b>727,200</b>	<b>243,745</b>	<b>438,145</b>	<b>0</b>	<b>126,900</b>	<b>532,300</b>	<b>2,068,290</b>	<b>1,623,800</b>	<b>3,692,090</b>	<b>255,400</b>		
Daily Avg's		103,886	34,821	62,592	0	18,129	76,043	295,470	231,971	527,441	36,486	15.7%	62.6%
Weekly Max's		132,600	45,426	81,765	0	39,300	85,800	327,691	263,600	575,605	42,100	16.3%	68.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	295,470	195,486	231,971	527,441	29,374,240

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	7/25	4.82	4.60	0.02
Tue	7/26	4.80	4.72	0.22
Wed	7/27	4.76	4.75	
Thu	7/28	4.72	4.76	
Fri	7/29	4.86	5.14	2.00
Sat	7/30	4.80	5.00	
Sun	7/31	4.85	5.00	0.23
Weekly Total				2.47

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production	126.63
Based on Current Daily Average WTP Production Using Jefferies	150.26
Based on Current (Permitted) Maximum Reservoir Safe Yield	97.91

**Bulk Water Usage**

Date	
7/25	28,300 Bulk Water Sales
7/26	11,600 Bulk Water Sales
7/27	13,000 Bulk Water Sales
7/28	33,600 Bulk Water Sales
7/29	
7/30	
7/31	
Total	86,500

**Notes:**

Exceeds safe yield or permitted capacity