

Town of Purcellville  
**Weekly Water Demand Report**  
 08/21/2017- 08/27/2017

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	8/21	116,000	34,687	55,715	0	25,800	72,400	304,602	297,000	601,602	0	0.0%	70.4%
Tue	8/22	115,000	39,035	62,541	0	26,500	67,800	310,876	303,000	613,876	0	0.0%	71.9%
Wed	8/23	115,500	35,399	55,910	0	30,500	65,200	302,509	258,100	560,609	0	0.0%	65.6%
Thu	8/24	108,900	39,212	63,935	0	24,400	71,700	308,147	302,100	610,247	0	0.0%	71.5%
Fri	8/25	116,000	38,833	62,586	0	23,500	58,400	299,319	297,600	596,919	0	0.0%	69.9%
Sat	8/26	119,000	43,259	69,542	0	21,400	53,600	306,801	221,600	528,401	0	0.0%	61.9%
Sun	8/27	117,400	37,478	60,312	0	25,700	68,500	309,390	229,000	538,390	0	0.0%	63.0%
<b>Weekly Total</b>		<b>807,800</b>	<b>267,903</b>	<b>430,541</b>	<b>0</b>	<b>177,800</b>	<b>457,600</b>	<b>2,141,644</b>	<b>1,908,400</b>	<b>4,050,044</b>	<b>0</b>		
Daily Avg's		115,400	38,272	61,506	0	25,400	65,371	305,949	272,629	578,578	0	0.0%	67.7%
Weekly Max's		119,000	43,259	69,542	0	30,500	72,400	310,876	303,000	613,876	0	0.0%	71.9%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	305,949	272,629	272,629	578,578	29,206,596

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	8/21	4.88	5.10	
Tue	8/22	4.90	4.80	
Wed	8/23	4.90	4.82	0.30
Thu	8/24	5.06	4.76	
Fri	8/25	5.00	4.70	0.04
Sat	8/26	5.00	4.60	
Sun	8/27	5.00	4.50	
<b>Weekly Total</b>				<b>0.34</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **107.13**

Based on Current Daily Average WTP Production Using Jefferies **107.13**

Based on Current (Permitted) Maximum Reservoir Safe Yield **97.36**

Bulk Water Usage	
Date	
8/21	
8/22	9,400 Bulk Water Sales
8/23	8,100 Bulk Water Sales
8/24	
8/25	
8/26	
8/27	
Total	17,500

Exceeds safe yield or permitted capacity