

Town of Purcellville  
**Weekly Water Demand Report**  
 09/04/2017- 09/10/2017

**Notes:** Approximately 56,000 gallons were used as part of maintenance and inspection activities on 9/5/17.

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	9/4	114,100	36,530	59,676	0	21,300	68,600	300,206	224,000	524,206	0	0.0%	61.4%
Tue	9/5	106,500	37,865	61,438	0	21,500	85,400	312,703	301,200	613,903	0	0.0%	71.9%
Wed	9/6	115,300	37,325	60,323	0	22,000	52,500	287,448	311,800	599,248	0	0.0%	70.2%
Thu	9/7	121,100	37,821	61,084	0	25,600	50,400	296,005	258,000	554,005	0	0.0%	64.9%
Fri	9/8	116,200	40,700	66,790	0	26,600	52,500	302,790	291,200	593,990	0	0.0%	69.6%
Sat	9/9	116,800	41,890	68,623	0	24,500	51,700	303,513	216,000	519,513	0	0.0%	60.8%
Sun	9/10	114,600	39,607	64,896	0	27,200	71,800	318,103	230,700	548,803	0	0.0%	64.3%
<b>Weekly Total</b>		<b>804,600</b>	<b>271,738</b>	<b>442,830</b>	<b>0</b>	<b>168,700</b>	<b>432,900</b>	<b>2,120,768</b>	<b>1,832,900</b>	<b>3,953,668</b>	<b>0</b>		
Daily Avg's		114,943	38,820	63,261	0	24,100	61,843	302,967	261,843	564,810	0	0.0%	66.1%
Weekly Max's		121,100	41,890	68,623	0	27,200	85,400	318,103	311,800	613,903	0	0.0%	71.9%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	302,967	261,843	261,843	564,810	29,304,497

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	9/4	4.80	4.20	
Tue	9/5	4.70	4.10	
Wed	9/6	4.90	4.60	1.30
Thu	9/7	4.90	5.00	0.70
Fri	9/8	4.90	4.90	
Sat	9/9	4.90	4.80	
Sun	9/10	4.96	4.68	
<b>Weekly Total</b>				<b>2.00</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **111.92**

Based on Current Daily Average WTP Production **111.92**  
 Using Jefferies

Based on Current (Permitted) Maximum Reservoir Safe Yield **97.68**

**Bulk Water Usage**

Date	
9/4	
9/5	
9/6	3,900 Bulk Water Sales
9/7	
9/8	
9/9	
9/10	
Total	3,900

Exceeds safe yield or permitted capacity