

Town of Purcellville  
**Weekly Water Demand Report**  
 09/25/2017- 10/01/2017

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	9/25	113,900	35,623	60,163	0	28,100	83,900	321,686	339,000	660,686	46,600	13.7%	77.4%
Tue	9/26	120,300	35,322	58,843	0	20,400	76,800	311,665	323,400	635,065	43,700	13.5%	74.4%
Wed	9/27	116,300	35,900	59,973	0	24,700	83,200	320,073	320,800	640,873	44,300	13.8%	75.0%
Thu	9/28	123,400	37,963	63,105	0	23,400	79,800	327,668	324,800	652,468	46,600	14.3%	76.4%
Fri	9/29	111,900	37,083	61,832	0	24,300	82,600	317,715	314,000	631,715	44,900	14.3%	74.0%
Sat	9/30	117,000	40,480	68,004	0	28,800	59,800	314,084	233,000	547,084	33,300	14.3%	64.1%
Sun	10/1	114,700	36,769	61,513	0	25,700	74,600	313,282	235,700	548,982	33,200	14.1%	64.3%
<b>Weekly Total</b>		<b>817,500</b>	<b>259,140</b>	<b>433,433</b>	<b>0</b>	<b>175,400</b>	<b>540,700</b>	<b>2,226,173</b>	<b>2,090,700</b>	<b>4,316,873</b>	<b>292,600</b>		
Daily Avg's		116,786	37,020	61,919	0	25,057	77,243	318,025	298,671	616,696	41,800	14.0%	72.2%
Weekly Max's		123,400	40,480	68,004	0	28,800	83,900	327,668	339,000	660,686	46,600	14.3%	77.4%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	318,025	256,871	298,671	616,696	26,421,993

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	9/25	4.82	3.54	
Tue	9/26	4.82	3.52	
Wed	9/27	4.74	3.40	
Thu	9/28	4.68	3.36	
Fri	9/29	4.60	3.30	
Sat	9/30	4.52	3.22	
Sun	10/1	4.50	3.14	
<b>Weekly Total</b>				<b>0.00</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production	88.47
Based on Current Daily Average WTP Production Using Jefferies	102.86
Based on Current (Permitted) Maximum Reservoir Safe Yield	88.07

**Bulk Water Usage**

Date	Usage
9/25	
9/26	4,700 Bulk Water Sales
9/27	
9/28	
9/29	
9/30	
10/1	
Total	4,700

Exceeds safe yield or permitted capacity