

Town of Purcellville  
**Weekly Water Demand Report**  
 08/28/2017- 09/03/2017

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	8/28	118,200	35,411	57,607	0	23,900	79,300	314,418	294,500	608,918	0	0.0%	71.3%
Tue	8/29	114,000	38,035	61,600	0	25,900	52,600	292,135	286,100	578,235	0	0.0%	67.7%
Wed	8/30	118,500	37,198	60,206	0	26,600	52,600	295,104	213,900	509,004	0	0.0%	59.6%
Thu	8/31	115,200	34,970	56,524	0	24,600	83,100	314,394	295,300	609,694	0	0.0%	71.4%
Fri	9/1	112,500	38,562	63,215	0	30,900	84,300	329,477	279,800	609,277	0	0.0%	71.3%
Sat	9/2	123,600	45,151	73,530	0	27,600	52,300	322,181	226,000	548,181	0	0.0%	64.2%
Sun	9/3	121,500	39,206	63,637	0	26,000	52,400	302,743	204,000	506,743	0	0.0%	59.3%
<b>Weekly Total</b>		<b>823,500</b>	<b>268,533</b>	<b>436,319</b>	<b>0</b>	<b>185,500</b>	<b>456,600</b>	<b>2,170,452</b>	<b>1,799,600</b>	<b>3,970,052</b>	<b>0</b>		
Daily Avg's		117,643	38,362	62,331	0	26,500	65,229	310,065	257,086	567,150	0	0.0%	66.4%
Weekly Max's		123,600	45,151	73,530	0	30,900	84,300	329,477	295,300	609,694	0	0.0%	71.4%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	310,065	257,086	257,086	567,150	28,534,243

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	8/28	5.00	4.40	
Tue	8/29	5.00	4.40	0.20
Wed	8/30	4.98	4.50	0.41
Thu	8/31	4.98	4.40	
Fri	9/1	4.94	4.36	
Sat	9/2	4.90	4.25	
Sun	9/3	4.85	4.25	0.20
<b>Weekly Total</b>				<b>0.81</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production	110.99
Based on Current Daily Average WTP Production Using Jefferies	110.99
Based on Current (Permitted) Maximum Reservoir Safe Yield	95.11

**Bulk Water Usage**

Date	Usage
8/28	
8/29	
8/30	
8/31	27,800 Bulk Water Sales
9/1	
9/2	
9/3	
Total	27,800

Exceeds safe yield or permitted capacity