

Town of Purcellville  
**Weekly Water Demand Report**  
 07/24/2017- 07/30/2017

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	7/24	105,400	35,424	54,435	0	26,000	60,400	281,659	293,200	574,859	0	0.0%	67.3%
Tue	7/25	117,800	38,863	59,262	0	26,200	52,900	295,025	246,600	541,625	0	0.0%	63.4%
Wed	7/26	112,500	39,346	59,898	0	26,900	66,200	304,844	294,600	599,444	0	0.0%	70.2%
Thu	7/27	115,500	40,285	61,262	0	24,100	52,900	294,047	227,500	521,547	0	0.0%	61.1%
Fri	7/28	120,700	38,729	59,575	0	27,000	52,900	298,904	281,300	580,204	0	0.0%	67.9%
Sat	7/29	115,000	42,374	65,119	0	23,800	52,800	299,093	231,600	530,693	0	0.0%	62.1%
Sun	7/30	127,200	42,177	64,563	0	30,600	63,500	328,040	223,400	551,440	0	0.0%	64.6%
<b>Weekly Total</b>		<b>814,100</b>	<b>277,198</b>	<b>424,114</b>	<b>0</b>	<b>184,600</b>	<b>401,600</b>	<b>2,101,612</b>	<b>1,798,200</b>	<b>3,899,812</b>	<b>0</b>		
Daily Avg's		116,300	39,600	60,588	0	26,371	57,371	300,230	256,886	557,116	0	0.0%	65.2%
Weekly Max's		127,200	42,374	65,119	0	30,600	66,200	328,040	294,600	599,444	0	0.0%	70.2%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	300,230	256,886	256,886	557,116	30,862,795

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	7/24	5.38	5.00	0.30
Tue	7/25	5.35	4.90	
Wed	7/26	5.30	5.00	
Thu	7/27	5.32	5.00	
Fri	7/28	5.29	5.00	
Sat	7/29	5.62	5.30	3.60
Sun	7/30	5.32	5.20	0.07
<b>Weekly Total</b>				<b>3.97</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **120.14**

Based on Current Daily Average WTP Production Using Jefferies **120.14**

Based on Current (Permitted) Maximum Reservoir Safe Yield **102.88**

Bulk Water Usage	
Date	
7/24	8,900 Bulk Water Sales
7/25	5,100 Bulk Water Sales
7/26	17,100 Bulk Water Sales
7/27	
7/28	
7/29	
7/30	
Total	31,100

Exceeds safe yield or permitted capacity