

Town of Purcellville  
**Weekly Water Demand Report**  
 02/27/2017- 03/05/2017

**Notes:**

**Power outage due to weather at WTP and wells on March 1, 2017. Generators operated approximately 3 hours during the outage.**

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	2/27	108,000	34,865	61,480	0	24,800	51,400	280,545	264,300	544,845	48,200	18.2%	63.8%
Tue	2/28	103,000	35,932	63,001	0	26,800	51,300	280,033	230,900	510,933	44,000	19.1%	59.8%
Wed	3/1	109,600	34,526	59,795	0	24,000	51,900	279,821	176,500	456,321	29,600	16.8%	53.4%
Thu	3/2	107,600	35,012	61,042	0	26,500	51,000	281,154	216,900	498,054	41,400	19.1%	58.3%
Fri	3/3	116,300	41,657	72,372	0	34,900	51,100	316,329	256,600	572,929	48,900	19.1%	67.1%
Sat	3/4	107,400	37,053	64,846	0	25,300	51,000	285,599	194,000	479,599	36,900	19.0%	56.2%
Sun	3/5	102,900	32,306	56,279	0	19,700	50,700	261,885	201,600	463,485	39,000	19.3%	54.3%
<b>Weekly Total</b>		<b>754,800</b>	<b>251,351</b>	<b>438,815</b>	<b>0</b>	<b>182,000</b>	<b>358,400</b>	<b>1,985,366</b>	<b>1,540,800</b>	<b>3,526,166</b>	<b>288,000</b>		
Daily Avg's		107,829	35,907	62,688	0	26,000	51,200	283,624	220,114	503,738	41,143	18.7%	59.0%
Weekly Max's		116,300	41,657	72,372	0	34,900	51,900	316,329	264,300	572,929	48,900	19.3%	67.1%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
<b>Daily Average Usages:</b>	<b>283,624</b>	<b>178,971</b>	<b>220,114</b>	<b>503,738</b>	<b>30,603,970</b>

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	2/27	5.32	5.12	
Tue	2/28	5.30	5.12	
Wed	3/1	5.20	5.20	0.30
Thu	3/2	5.30	5.10	0.05
Fri	3/3	5.30	5.08	0.05
Sat	3/4	5.30	5.03	
Sun	3/5	5.30	5.02	
<b>Weekly Total</b>				<b>0.40</b>

**Days of Water Storage in Reservoir**

<b>Based on Current Daily Average WTP Production</b>	<b>139.04</b>
<b>Based on Current Daily Average WTP Production Using Jefferies</b>	<b>171.00</b>
<b>Based on Current (Permitted) Maximum Reservoir Safe Yield</b>	<b>102.01</b>

Unusual Usage	
Date	
2/27	
2/28	
3/1	UK Raw Water Line Flushing
3/2	UK Raw Water Line Flushing
3/3	
3/4	
3/5	
Total	0

Exceeds safe yield or permitted capacity