

Town of Purcellville  
**Weekly Water Demand Report**  
 8/6/2018- 08/12/2018

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	8/6	102,386	30,429	59,711	0	26,000	76,900	295,426	317,000	612,426	0	0.0%	71.7%
Tue	8/7	100,549	29,929	59,350	0	25,800	53,400	269,028	317,000	586,028	0	0.0%	68.6%
Wed	8/8	97,934	31,946	62,950	0	25,100	57,800	275,730	299,000	574,730	0	0.0%	67.3%
Thu	8/9	105,638	29,340	57,916	0	25,600	51,300	269,794	318,400	588,194	0	0.0%	68.9%
Fri	8/10	85,709	32,027	63,738	0	30,500	64,800	276,774	298,500	575,274	0	0.0%	67.4%
Sat	8/11	108,971	35,420	70,174	0	27,600	67,400	309,565	241,100	550,665	0	0.0%	64.5%
Sun	8/12	79,860	28,349	56,141	0	17,200	64,900	246,450	243,400	489,850	0	0.0%	57.4%
<b>Weekly Total</b>		<b>681,047</b>	<b>217,440</b>	<b>429,980</b>	<b>0</b>	<b>177,800</b>	<b>436,500</b>	<b>1,942,767</b>	<b>2,034,400</b>	<b>3,977,167</b>	<b>0</b>		
Daily Avg's		97,292	31,063	61,426	0	25,400	62,357	277,538	290,629	568,167	0	0.0%	66.5%
Weekly Max's		108,971	35,420	70,174	0	30,500	76,900	309,565	318,400	612,426	0	0.0%	71.7%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	277,538	290,629	290,629	568,167	30,911,065

Day	Date	Front Lake (5.6' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	8/6	5.64	5.04	
Tue	8/7	5.68	5.00	
Wed	8/8	5.70	4.80	0.10
Thu	8/9	5.72	4.98	
Fri	8/10	5.74	4.96	
Sat	8/11	5.74	4.96	
Sun	8/12	5.74	4.96	
Weekly Total				0.10

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production	106.36
Based on Current Daily Average WTP Production Using Jefferies	106.36
Based on Current (Permitted) Maximum Reservoir Safe Yield	103.04

**Bulk Water Usage**

Date	
8/6	
8/7	
8/8	
8/9	
8/10	
8/11	
8/12	
Total	0

Exceeds safe yield or permitted capacity