

Town of Purcellville  
**Weekly Water Demand Report**  
 12/25/2017- 12/31/2017

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	12/25	132,100	31,996	57,477	0	21,500	51,200	294,273	216,400	510,673	30,600	14.1%	59.8%
Tue	12/26	118,900	35,231	63,629	0	20,100	68,800	306,660	222,000	528,660	28,800	13.0%	61.9%
Wed	12/27	128,400	29,064	52,091	0	20,800	53,100	283,455	274,800	558,255	38,800	14.1%	65.4%
Thu	12/28	133,400	32,454	58,276	0	24,500	63,700	312,330	220,000	532,330	30,100	13.7%	62.3%
Fri	12/29	135,000	34,277	62,298	0	28,500	63,700	323,775	282,200	605,975	39,900	14.1%	71.0%
Sat	12/30	124,600	33,639	60,967	0	20,800	48,400	288,406	172,800	461,206	24,000	13.9%	54.0%
Sun	12/31	154,600	42,314	76,333	0	30,100	57,600	360,947	228,200	589,147	32,400	14.2%	69.0%
<b>Weekly Total</b>		<b>927,000</b>	<b>238,975</b>	<b>431,071</b>	<b>0</b>	<b>166,300</b>	<b>406,500</b>	<b>2,169,846</b>	<b>1,616,400</b>	<b>3,786,246</b>	<b>224,600</b>		
Daily Avg's		132,429	34,139	61,582	0	23,757	58,071	309,978	230,914	540,892	32,086	13.9%	63.3%
Weekly Max's		154,600	42,314	76,333	0	30,100	68,800	360,947	282,200	605,975	39,900	14.2%	71.0%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	309,978	198,829	230,914	540,892	25,963,788

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	12/25	4.25	3.90	
Tue	12/26	4.25	3.80	
Wed	12/27	4.22	3.76	
Thu	12/28	4.20	3.70	
Fri	12/29	4.20	3.70	
Sat	12/30	4.10	3.60	snow
Sun	12/31	4.10	3.70	
<b>Weekly Total</b>				<b>0.00</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production	112.44
Based on Current Daily Average WTP Production Using Jefferies	130.58
Based on Current (Permitted) Maximum Reservoir Safe Yield	86.55

**Bulk Water Usage**

Date	
12/25	
12/26	
12/27	
12/28	
12/29	
12/30	
12/31	
Total	0

Exceeds safe yield or permitted capacity