

Town of Purcellville  
**Weekly Water Demand Report**  
 12/28/2015- 01/03/2016

**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	12/28	96,700	26,318	58,585	0	35,400	64,400	281,403	203,000	484,403	0	0.0%	57.5%
Tue	12/29	98,600	28,589	60,784	0	30,800	71,000	289,773	185,200	474,973	0	0.0%	56.3%
Wed	12/30	103,800	29,410	53,774	0	30,300	55,100	272,384	247,900	520,284	0	0.0%	61.7%
Thu	12/31	101,400	33,632	65,395	0	37,000	59,000	296,427	138,200	434,627	0	0.0%	51.6%
Fri	1/1	100,200	35,582	68,677	0	0	71,600	276,059	198,700	474,759	0	0.0%	56.3%
Sat	1/2	104,100	37,226	70,333	0	0	68,400	280,059	197,300	477,359	0	0.0%	56.6%
Sun	1/3	93,800	28,259	54,603	0	0	71,600	248,262	208,000	456,262	0	0.0%	54.1%
<b>Weekly Total</b>		<b>698,600</b>	<b>219,016</b>	<b>432,151</b>	<b>0</b>	<b>133,500</b>	<b>461,100</b>	<b>1,944,367</b>	<b>1,378,300</b>	<b>3,322,667</b>	<b>0</b>		
<b>Daily Avg's</b>		<b>99,800</b>	<b>31,288</b>	<b>61,736</b>	<b>0</b>	<b>19,071</b>	<b>65,871</b>	<b>277,767</b>	<b>196,900</b>	<b>474,667</b>	<b>0</b>	<b>0.0%</b>	<b>56.3%</b>
<b>Weekly Max's</b>		<b>104,100</b>	<b>37,226</b>	<b>70,333</b>	<b>0</b>	<b>37,000</b>	<b>71,600</b>	<b>296,427</b>	<b>247,900</b>	<b>520,284</b>	<b>0</b>	<b>0.0%</b>	<b>61.7%</b>

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
<b>Daily Average Usages:</b>	<b>277,767</b>	<b>196,900</b>	<b>196,900</b>	<b>474,667</b>	<b>31,074,007</b>

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	12/28	5.42	5.20	0.08
Tue	12/29	5.50	5.28	0.78
Wed	12/30	5.48	5.22	0.03
Thu	12/31	5.40	5.20	0.04
Fri	1/1	5.40	5.18	
Sat	1/2	5.40	5.15	
Sun	1/3	5.42	5.15	
<b>Weekly Total</b>				<b>0.93</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **157.82**

Based on Current Daily Average WTP Production Using Jefferies **157.82**

Based on Current (Permitted) Maximum Reservoir Safe Yield **103.58**

<b>Unusual Usage</b>		
Date		
12/28	40,000	Mayfair filling trucks
12/29		
12/30		
12/31		
1/1		
1/2		
1/3		
Total	40,000	