

Town of Purcellville  
**Weekly Water Demand Report**  
 12/11/2017- 12/17/2017

**Notes:**

The Main Street Well Complex was turned off on 12/16/17 through 12/17/17 to repair a leak.

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	12/11	130,700	30,396	54,276	0	19,000	64,300	298,672	289,000	587,672	38,800	13.4%	68.8%
Tue	12/12	114,000	30,205	54,188	0	21,400	51,500	271,293	281,600	552,893	37,700	13.4%	64.7%
Wed	12/13	127,300	35,452	63,301	0	24,700	51,400	302,153	215,800	517,953	29,300	13.6%	60.7%
Thu	12/14	127,600	30,731	54,697	0	23,700	51,400	288,128	224,600	512,728	30,700	13.7%	60.0%
Fri	12/15	122,400	34,437	61,579	0	25,500	51,500	295,416	285,500	580,916	38,900	13.6%	68.0%
Sat	12/16	68,400	36,670	65,402	0	25,800	78,200	274,472	181,100	455,572	0	0.0%	53.3%
Sun	12/17	0	32,632	58,259	0	23,900	93,700	208,491	276,500	484,991	38,600	14.0%	56.8%
<b>Weekly Total</b>		<b>690,400</b>	<b>230,523</b>	<b>411,702</b>	<b>0</b>	<b>164,000</b>	<b>442,000</b>	<b>1,938,625</b>	<b>1,754,100</b>	<b>3,692,725</b>	<b>214,000</b>		
<b>Daily Avg's</b>		<b>98,629</b>	<b>32,932</b>	<b>58,815</b>	<b>0</b>	<b>23,429</b>	<b>63,143</b>	<b>276,946</b>	<b>250,586</b>	<b>527,532</b>	<b>30,571</b>	<b>12.2%</b>	<b>61.8%</b>
<b>Weekly Max's</b>		<b>130,700</b>	<b>36,670</b>	<b>65,402</b>	<b>0</b>	<b>25,800</b>	<b>93,700</b>	<b>302,153</b>	<b>289,000</b>	<b>587,672</b>	<b>38,900</b>	<b>14.0%</b>	<b>68.8%</b>

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
<b>Daily Average Usages:</b>	<b>276,946</b>	<b>220,014</b>	<b>250,586</b>	<b>527,532</b>	<b>27,316,801</b>

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)	Days of Water Storage in Reservoir		Bulk Water Usage	
Mon	12/11	4.72	4.12	0.04	Based on Current Daily Average WTP Production	109.01	12/11	
Tue	12/12	4.68	4.18					
Wed	12/13	4.60	4.10					
Thu	12/14	4.56	4.10		Based on Current Daily Average WTP Production Using Jefferies	124.16	12/14	
Fri	12/15	4.52	4.10					
Sat	12/16	4.42	4.04		Based on Current (Permitted) Maximum Reservoir Safe Yield	91.06	12/16	
Sun	12/17	4.48	4.04					
<b>Weekly Total</b>				<b>0.04</b>				

Exceeds safe yield or permitted capacity