

Town of Purcellville  
**Weekly Water Demand Report**  
 3/05/2018- 03/11/2018

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	3/5	130,700	31,466	73,233	0	23,600	82,500	341,499	353,400	694,899		0.0%	81.4%
Tue	3/6	127,200	33,155	55,555	0	25,450	62,600	303,960	289,800	593,760		0.0%	69.5%
Wed	3/7	126,900	31,767	61,793	0	25,050	62,900	308,410	276,000	584,410		0.0%	68.4%
Thu	3/8	127,500	33,067	51,483	0	26,800	63,000	301,850	274,200	576,050		0.0%	67.5%
Fri	3/9	133,900	37,185	56,285	0	29,100	81,900	338,370	273,800	612,170		0.0%	71.7%
Sat	3/10	117,300	35,806	69,453	0	25,000	81,100	328,659	271,000	599,659		0.0%	70.2%
Sun	3/11	121,900	32,629	69,002	0	27,000	78,700	329,231	245,700	574,931		0.0%	67.3%
<b>Weekly Total</b>		<b>885,400</b>	<b>235,075</b>	<b>436,804</b>	<b>0</b>	<b>182,000</b>	<b>512,700</b>	<b>2,251,979</b>	<b>1,983,900</b>	<b>4,235,879</b>	<b>0</b>		
<b>Daily Avg's</b>		<b>126,486</b>	<b>33,582</b>	<b>62,401</b>	<b>0</b>	<b>26,000</b>	<b>73,243</b>	<b>321,711</b>	<b>283,414</b>	<b>605,126</b>	<b>0</b>	<b>0.0%</b>	<b>70.9%</b>
<b>Weekly Max's</b>		<b>133,900</b>	<b>37,185</b>	<b>73,233</b>	<b>0</b>	<b>29,100</b>	<b>82,500</b>	<b>341,499</b>	<b>353,400</b>	<b>694,899</b>	<b>0</b>	<b>0.0%</b>	<b>81.4%</b>

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
<b>Daily Average Usages:</b>	<b>321,711</b>	<b>283,414</b>	<b>283,414</b>	<b>605,126</b>	<b>30,581,172</b>

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	3/5			
Tue	3/6			
Wed	3/7			0.07
Thu	3/8			0.01
Fri	3/9			
Sat	3/10			
Sun	3/11	<i>5.30</i>	<i>5.00</i>	
<b>Weekly Total</b>				<b>0.08</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production	<b>107.90</b>
Based on Current Daily Average WTP Production Using Jefferies	<b>107.90</b>
Based on Current (Permitted) Maximum Reservoir Safe Yield	<b>101.94</b>

**Bulk Water Usage**

Date		
3/5		
3/6		
3/7		
3/8		
3/9		
3/10		
3/11		
Total	0	

Exceeds safe yield or permitted capacity

Notes:  
 Reservoir level measurements reported in red italics are estimates. The gauges were damaged by ice.