

Town of Purcellville  
**Weekly Water Demand Report**  
 05/30/2016 - 06/05/2016

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	5/30	101,200	36,200	61,721	0	0	79,100	278,221	227,200	505,421	0	0.0%	60.0%
Tue	5/31	114,600	37,016	63,144	0	53,400	98,300	366,460	319,000	685,460	0	0.0%	81.3%
Wed	6/1	114,400	35,389	60,328	0	35,100	85,000	330,217	316,000	646,217	0	0.0%	76.7%
Thu	6/2	114,100	34,689	59,189	0	40,000	68,100	316,078	279,900	595,978	0	0.0%	70.7%
Fri	6/3	132,502	39,487	54,917	0	39,800	66,900	333,606	304,100	637,706	0	0.0%	75.6%
Sat	6/4	119,498	44,752	48,813	0	23,500	79,900	316,463	244,400	560,863	0	0.0%	66.5%
Sun	6/5	114,700	35,104	60,721	0	0	85,000	295,525	254,600	550,125	0	0.0%	65.3%
<b>Weekly Total</b>		<b>811,000</b>	<b>262,637</b>	<b>408,833</b>	<b>0</b>	<b>191,800</b>	<b>562,300</b>	<b>2,236,570</b>	<b>1,945,200</b>	<b>4,181,770</b>	<b>0</b>		
<b>Daily Avg's</b>		<b>115,857</b>	<b>37,520</b>	<b>58,405</b>	<b>0</b>	<b>27,400</b>	<b>80,329</b>	<b>319,510</b>	<b>277,886</b>	<b>597,396</b>	<b>0</b>	<b>0.0%</b>	<b>70.9%</b>
<b>Weekly Max's</b>		<b>132,502</b>	<b>44,752</b>	<b>63,144</b>	<b>0</b>	<b>53,400</b>	<b>98,300</b>	<b>366,460</b>	<b>319,000</b>	<b>685,460</b>	<b>0</b>	<b>0.0%</b>	<b>81.3%</b>

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
<b>Daily Average Usages:</b>	<b>319,510</b>	<b>277,886</b>	<b>277,886</b>	<b>597,396</b>	<b>30,963,370</b>

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	5/30	5.40	5.10	
Tue	5/31	5.43	5.10	
Wed	6/1	5.48	5.10	
Thu	6/2	5.44	5.10	
Fri	6/3	5.45	5.10	0.10
Sat	6/4	5.45	5.10	0.05
Sun	6/5	5.40	5.10	0.03
<b>Weekly Total</b>		▪	▪	<b>0.18</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **111.42**

Based on Current Daily Average WTP Production Using Jefferies **111.42**

Based on Current (Permitted) Maximum Reservoir Safe Yield **103.21**

Unusual Usage	
Date	
5/30	
5/31	42,700 Bulk Water Sales
6/1	31,900 Bulk Water Sales
6/2	51,400 Bulk Water Sales
6/3	40,900 Bulk Water Sales
6/4	
6/5	
Total	166,900