

Town of Purcellville  
**Weekly Water Demand Report**  
 4/30/2018- 05/06/2018

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	4/30	136,000	32,782	63,889	0	22,000	94,400	349,071	286,000	635,071	0	0.0%	74.4%
Tue	5/1	123,800	32,077	61,857	0	21,600	94,500	333,834	303,800	637,634	0	0.0%	74.7%
Wed	5/2	139,700	33,959	63,661	0	21,800	94,300	353,420	308,900	662,320	0	0.0%	77.6%
Thu	5/3	138,600	34,751	66,702	0	22,300	80,200	342,553	316,100	658,653	0	0.0%	77.1%
Fri	5/4	133,600	35,133	66,957	0	21,600	85,100	342,390	356,800	699,190	0	0.0%	81.9%
Sat	5/5	144,000	36,300	69,516	0	20,700	81,100	351,616	234,000	585,616	0	0.0%	68.6%
Sun	5/6	126,600	29,910	57,496	0	17,300	80,900	312,206	227,900	540,106	0	0.0%	63.2%
<b>Weekly Total</b>		<b>942,300</b>	<b>234,912</b>	<b>450,078</b>	<b>0</b>	<b>147,300</b>	<b>610,500</b>	<b>2,385,090</b>	<b>2,033,500</b>	<b>4,418,590</b>	<b>0</b>		
Daily Avg's		134,614	33,559	64,297	0	21,043	87,214	340,727	290,500	631,227	0	0.0%	73.9%
Weekly Max's		144,000	36,300	69,516	0	22,300	94,500	353,420	356,800	699,190	0	0.0%	81.9%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	340,727	290,500	290,500	631,227	30,581,172

Day	Date	Front Lake (5.6' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	4/30	5.60	5.08	
Tue	5/1	5.60	5.08	
Wed	5/2	5.52	5.08	
Thu	5/3	5.50	5.06	
Fri	5/4	5.60	5.00	
Sat	5/5	5.60	5.00	
Sun	5/6	5.60	5.00	0.30
Weekly Total				<b>0.30</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **105.27**

Based on Current Daily Average WTP Production Using Jefferies **105.27**

Based on Current (Permitted) Maximum Reservoir Safe Yield **101.94**

<b>Bulk Water Usage</b>	
Date	
4/30	
5/1	
5/2	
5/3	
5/4	
5/5	
5/6	
Total	0

Exceeds safe yield or permitted capacity