

Town of Purcellville  
**Weekly Water Demand Report**  
 12/05/2016 - 12/11/2016

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	12/5	107,900	37,919	58,141	0	39,400	80,100	323,460	180,900	504,360	37,700	20.8%	59.1%
Tue	12/6	101,800	38,604	59,942	0	40,300	80,400	321,046	169,000	490,046	36,800	21.8%	57.4%
Wed	12/7	109,400	40,507	62,674	0	39,400	81,100	333,081	191,000	524,081	40,800	21.4%	61.4%
Thu	12/8	113,300	40,106	61,213	0	27,900	82,700	325,219	169,200	494,419	33,100	19.6%	57.9%
Fri	12/9	108,800	43,386	68,539	0	36,400	80,100	337,225	185,900	523,125	38,800	20.9%	61.3%
Sat	12/10	104,100	43,195	66,799	0	35,900	73,600	323,594	163,900	487,494	34,900	21.3%	57.1%
Sun	12/11	114,900	38,783	60,677	0	27,300	74,000	315,660	160,000	475,660	33,400	20.9%	55.7%
<b>Weekly Total</b>		<b>760,200</b>	<b>282,500</b>	<b>437,985</b>	<b>0</b>	<b>246,600</b>	<b>552,000</b>	<b>2,279,285</b>	<b>1,219,900</b>	<b>3,499,185</b>	<b>255,500</b>		
Daily Avg's		<b>108,600</b>	<b>40,357</b>	<b>62,569</b>	<b>0</b>	<b>35,229</b>	<b>78,857</b>	<b>325,612</b>	<b>174,271</b>	<b>499,884</b>	<b>36,500</b>	<b>20.9%</b>	<b>58.5%</b>
Weekly Max's		<b>114,900</b>	<b>43,386</b>	<b>68,539</b>	<b>0</b>	<b>40,300</b>	<b>82,700</b>	<b>337,225</b>	<b>191,000</b>	<b>524,081</b>	<b>40,800</b>	<b>21.8%</b>	<b>61.4%</b>

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	325,612	137,771	174,271	499,884	17,356,768

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	12/5	1.64	0.70	0.17
Tue	12/6	1.60	0.74	0.03
Wed	12/7	1.70	1.40	0.90
Thu	12/8	1.70	1.30	
Fri	12/9	1.70	1.30	
Sat	12/10	1.60	1.25	
Sun	12/11	1.60	1.20	0.10
Weekly Total				<b>1.20</b>

**Days of Water Storage in Reservoir**

Mon 12/5	Based on Current Daily Average WTP Production	99.60
Tue 12/6		
Wed 12/7	Based on Current Daily Average WTP Production Using Jefferies	125.98
Thu 12/8		
Fri 12/9		
Sat 12/10		
Sun 12/11	Based on Current (Permitted) Maximum Reservoir Safe Yield	57.86
Weekly Total		

**Bulk Water Usage**

Date	
12/5	
12/6	
12/7	
12/8	
12/9	
12/10	
12/11	
Total	0

**Notes:**

Exceeds safe yield or permitted capacity