

Town of Purcellville  
**Weekly Water Demand Report**  
 10/02/2017- 10/08/2017

**Notes:** The Mountain View Well was not operational from 10/5/2017 through 10/9/2017 while repairs were conducted.

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	10/2	114,700	35,613	59,398	0	25,800	83,400	318,911	405,200	724,111	57,100	14.1%	84.8%
Tue	10/3	115,000	34,559	57,809	0	25,100	82,700	315,168	327,900	643,068	45,400	13.8%	75.3%
Wed	10/4	117,800	36,654	60,987	0	25,400	83,000	323,841	315,100	638,941	40,600	12.9%	74.8%
Thu	10/5	112,200	34,924	58,122	0	11,500	76,300	293,046	276,100	569,146	34,900	12.6%	66.6%
Fri	10/6	133,800	37,837	71,563	0	0	82,900	326,100	301,000	627,100	38,300	12.7%	73.4%
Sat	10/7	103,000	36,756	63,451	0	0	82,600	285,807	261,700	547,507	33,000	12.6%	64.1%
Sun	10/8	123,200	43,309	70,665	0	0	72,500	309,674	191,200	500,874	27,700	14.5%	58.7%
<b>Weekly Total</b>		<b>819,700</b>	<b>259,652</b>	<b>441,995</b>	<b>0</b>	<b>87,800</b>	<b>563,400</b>	<b>2,172,547</b>	<b>2,078,200</b>	<b>4,250,747</b>	<b>277,000</b>		
<b>Daily Avg's</b>		<b>117,100</b>	<b>37,093</b>	<b>63,142</b>	<b>0</b>	<b>12,543</b>	<b>80,486</b>	<b>310,364</b>	<b>296,886</b>	<b>607,250</b>	<b>39,571</b>	<b>13.3%</b>	<b>71.1%</b>
<b>Weekly Max's</b>		<b>133,800</b>	<b>43,309</b>	<b>71,563</b>	<b>0</b>	<b>25,800</b>	<b>83,400</b>	<b>326,100</b>	<b>405,200</b>	<b>724,111</b>	<b>57,100</b>	<b>14.5%</b>	<b>84.8%</b>

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
<b>Daily Average Usages:</b>	<b>310,364</b>	<b>257,314</b>	<b>296,886</b>	<b>607,250</b>	<b>25,254,311</b>

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	10/2	4.44	3.22	
Tue	10/3	4.43	3.10	
Wed	10/4	4.40	3.00	
Thu	10/5	4.36	2.90	
Fri	10/6	4.30	2.80	
Sat	10/7	4.28	2.70	
Sun	10/8	4.26	2.60	0.20
<b>Weekly Total</b>				<b>0.20</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production	85.06
Based on Current Daily Average WTP Production Using Jefferies	98.15
Based on Current (Permitted) Maximum Reservoir Safe Yield	84.18

**Bulk Water Usage**

Date	
10/2	
10/3	
10/4	
10/5	
10/6	
10/7	
10/8	
<b>Total</b>	0

Exceeds safe yield or permitted capacity