

Town of Purcellville  
**Weekly Water Demand Report**  
 07/31/2017- 08/06/2017

**Notes:** Catocin Corner water flushing conducted on 8/3/2017 and 8/4/2017. Total water use was 17,030 gallons.

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	7/31	112,400	36,266	56,030	0	20,100	78,400	303,196	293,400	596,596	0	0.0%	69.9%
Tue	8/1	112,500	36,531	56,033	0	23,000	52,900	280,964	272,000	552,964	0	0.0%	64.7%
Wed	8/2	122,200	36,148	55,431	0	27,400	78,400	319,579	285,200	604,779	0	0.0%	70.8%
Thu	8/3	101,000	39,645	61,253	0	25,100	81,700	308,698	345,400	654,098	0	0.0%	76.6%
Fri	8/4	110,300	39,104	60,752	0	23,300	52,600	286,056	308,600	594,656	0	0.0%	69.6%
Sat	8/5	117,100	42,565	66,105	0	27,200	52,700	305,670	202,200	507,870	0	0.0%	59.5%
Sun	8/6	114,100	39,018	60,475	0	26,300	52,900	292,793	219,700	512,493	0	0.0%	60.0%
<b>Weekly Total</b>		<b>789,600</b>	<b>269,277</b>	<b>416,079</b>	<b>0</b>	<b>172,400</b>	<b>449,600</b>	<b>2,096,956</b>	<b>1,926,500</b>	<b>4,023,456</b>	<b>0</b>		
<b>Daily Avg's</b>		<b>112,800</b>	<b>38,468</b>	<b>59,440</b>	<b>0</b>	<b>24,629</b>	<b>64,229</b>	<b>299,565</b>	<b>275,214</b>	<b>574,779</b>	<b>0</b>	<b>0.0%</b>	<b>67.3%</b>
<b>Weekly Max's</b>		<b>122,200</b>	<b>42,565</b>	<b>66,105</b>	<b>0</b>	<b>27,400</b>	<b>81,700</b>	<b>319,579</b>	<b>345,400</b>	<b>654,098</b>	<b>0</b>	<b>0.0%</b>	<b>76.6%</b>

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
<b>Daily Average Usages:</b>	<b>299,565</b>	<b>275,214</b>	<b>275,214</b>	<b>574,779</b>	<b>30,105,107</b>

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	7/31	5.26	5.12	
Tue	8/1	5.22	5.12	
Wed	8/2	5.20	5.10	
Thu	8/3	5.10	5.10	
Fri	8/4	5.10	5.10	0.08
Sat	8/5	5.10	5.10	0.09
Sun	8/6	5.08	5.10	
<b>Weekly Total</b>				<b>0.17</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **109.39**

Based on Current Daily Average WTP Production Using Jefferies **109.39**

Based on Current (Permitted) Maximum Reservoir Safe Yield **100.35**

**Bulk Water Usage**

Date		
7/31	14,000	Bulk Water Sales
8/1		
8/2	31,200	Bulk Water Sales
8/3	36,100	Bulk Water Sales
8/4		
8/5		
8/6		
<b>Total</b>	<b>81,300</b>	

Exceeds safe yield or permitted capacity