

Town of Purcellville  
**Weekly Water Demand Report**  
 11/21/2016 - 11/27/2016

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	11/21	114,400	41,131	62,619	34,800	24,600	85,000	362,550	241,300	603,850	53,300	22.1%	67.5%
Tue	11/22	77,200	37,748	56,797	31,300	20,800	80,500	304,345	192,400	496,745	37,300	19.4%	55.6%
Wed	11/23	126,400	47,100	71,347	41,800	22,100	85,400	394,147	191,300	585,447	38,100	19.9%	65.5%
Thu	11/24	108,000	42,818	64,141	37,900	20,400	73,200	346,459	139,100	485,559	27,700	19.9%	54.3%
Fri	11/25	100,300	42,248	64,479	36,400	22,500	72,800	338,727	103,000	441,727	19,900	19.3%	49.4%
Sat	11/26	111,200	43,264	65,483	39,300	21,400	74,400	355,047	126,600	481,647	25,400	20.1%	53.9%
Sun	11/27	103,200	40,472	61,379	34,200	20,200	74,600	334,051	146,400	480,451	31,600	21.6%	53.7%
<b>Weekly Total</b>		<b>740,700</b>	<b>294,781</b>	<b>446,245</b>	<b>255,700</b>	<b>152,000</b>	<b>545,900</b>	<b>2,435,326</b>	<b>1,140,100</b>	<b>3,575,426</b>	<b>233,300</b>		
<b>Daily Avg's</b>		<b>105,814</b>	<b>42,112</b>	<b>63,749</b>	<b>36,529</b>	<b>21,714</b>	<b>77,986</b>	<b>347,904</b>	<b>162,871</b>	<b>510,775</b>	<b>33,329</b>	<b>20.5%</b>	<b>57.1%</b>
<b>Weekly Max's</b>		<b>126,400</b>	<b>47,100</b>	<b>71,347</b>	<b>41,800</b>	<b>24,600</b>	<b>85,400</b>	<b>394,147</b>	<b>241,300</b>	<b>603,850</b>	<b>53,300</b>	<b>22.1%</b>	<b>67.5%</b>

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
<b>Daily Average Usages:</b>	<b>347,904</b>	<b>129,543</b>	<b>162,871</b>	<b>510,775</b>	<b>16,965,316</b>

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	11/21	1.65	1.00	
Tue	11/22	1.70	1.02	
Wed	11/23	1.60	1.02	
Thu	11/24	1.55	0.99	0.01
Fri	11/25	1.55	0.97	
Sat	11/26	1.53	0.93	
Sun	11/27	1.53	0.93	
<b>Weekly Total</b>				<b>0.01</b>

**Days of Water Storage in Reservoir**

<b>Based on Current Daily Average WTP Production</b>		<b>104.16</b>
<b>Based on Current Daily Average WTP Production Using Jefferies</b>		<b>130.96</b>
<b>Based on Current (Permitted) Maximum Reservoir Safe Yield</b>		<b>56.55</b>

**Bulk Water Usage**

Date		
11/21		
11/22		
11/23		
11/24		
11/25		
11/26		
11/27		
<b>Total</b>	<b>0</b>	

**Notes:** Water line break on E Street on Monday, November 21, 2016.

Exceeds safe yield or permitted capacity