

Town of Purcellville  
**Weekly Water Demand Report**  
 01/30/2017- 02/05/2017

**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	1/30	109,900	36,095	59,765	0	21,400	71,100	298,260	209,000	507,260	43,600	20.9%	59.4%
Tue	1/31	109,500	41,432	63,661	0	30,200	71,400	316,193	233,300	549,493	50,000	21.4%	64.3%
Wed	2/1	115,700	36,982	62,074	0	30,200	56,000	300,956	238,100	539,056	50,500	21.2%	63.1%
Thu	2/2	111,600	37,719	63,243	0	26,900	54,300	293,762	196,800	490,562	40,100	20.4%	57.4%
Fri	2/3	109,600	39,618	66,260	0	30,300	62,200	307,978	243,400	551,378	48,900	20.1%	64.6%
Sat	2/4	116,800	42,047	71,278	0	29,900	58,300	318,325	181,700	500,025	35,700	19.6%	58.6%
Sun	2/5	107,900	35,242	59,320	0	26,300	57,700	286,462	199,300	485,762	37,300	18.7%	56.9%
<b>Weekly Total</b>		<b>781,000</b>	<b>269,135</b>	<b>445,601</b>	<b>0</b>	<b>195,200</b>	<b>431,000</b>	<b>2,121,936</b>	<b>1,501,600</b>	<b>3,623,536</b>	<b>306,100</b>		
<b>Daily Avg's</b>		<b>111,571</b>	<b>38,448</b>	<b>63,657</b>	<b>0</b>	<b>27,886</b>	<b>61,571</b>	<b>303,134</b>	<b>214,514</b>	<b>517,648</b>	<b>43,729</b>	<b>20.4%</b>	<b>60.6%</b>
<b>Weekly Max's</b>		<b>116,800</b>	<b>42,047</b>	<b>71,278</b>	<b>0</b>	<b>30,300</b>	<b>71,400</b>	<b>318,325</b>	<b>243,400</b>	<b>551,378</b>	<b>50,500</b>	<b>21.4%</b>	<b>64.6%</b>

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
<b>Daily Average Usages:</b>	<b>303,134</b>	<b>170,786</b>	<b>214,514</b>	<b>517,648</b>	<b>30,947,280</b>

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	1/30	5.44	4.48	
Tue	1/31	5.40	5.18	
Wed	2/1	5.52	4.94	0.02
Thu	2/2	5.40	4.90	
Fri	2/3	5.42	5.12	
Sat	2/4	5.38	5.16	
Sun	2/5	5.36	5.18	
<b>Weekly Total</b>				<b>0.02</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **144.27**

Based on Current Daily Average WTP Production Using Jefferies **181.21**

Based on Current (Permitted) Maximum Reservoir Safe Yield **103.16**

<b>Unusual Usage</b>	
Date	
1/30	
1/31	
2/1	
2/2	
2/3	
2/4	
2/5	
Total	0