

Town of Purcellville  
**Weekly Water Demand Report**  
 02/13/2017- 02/19/2017

**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	2/13	111,500	41,438	70,759	0	35,400	36,880	295,977	230,800	526,777	43,300	18.8%	61.7%
Tue	2/14	114,600	36,899	63,108	0	40,200	49,700	304,507	172,700	477,207	33,100	19.2%	55.9%
Wed	2/15	111,100	34,100	58,907	0	36,900	55,200	296,207	250,800	547,007	48,600	19.4%	64.1%
Thu	2/16	113,800	35,649	60,887	0	27,900	53,300	291,536	167,800	459,336	32,300	19.2%	53.8%
Fri	2/17	105,500	36,115	62,350	0	28,500	69,400	301,865	261,000	562,865	49,000	18.8%	65.9%
Sat	2/18	115,200	39,686	68,103	0	33,800	60,000	316,789	191,000	507,789	38,200	20.0%	59.5%
Sun	2/19	118,700	36,010	61,525	0	30,300	65,500	312,035	200,800	512,835	40,600	20.2%	60.1%
<b>Weekly Total</b>		<b>790,400</b>	<b>259,897</b>	<b>445,639</b>	<b>0</b>	<b>233,000</b>	<b>389,980</b>	<b>2,118,916</b>	<b>1,474,900</b>	<b>3,593,816</b>	<b>285,100</b>		
<b>Daily Avg's</b>		<b>112,914</b>	<b>37,128</b>	<b>63,663</b>	<b>0</b>	<b>33,286</b>	<b>55,711</b>	<b>302,702</b>	<b>210,700</b>	<b>513,402</b>	<b>40,729</b>	<b>19.3%</b>	<b>60.1%</b>
<b>Weekly Max's</b>		<b>118,700</b>	<b>41,438</b>	<b>70,759</b>	<b>0</b>	<b>40,200</b>	<b>69,400</b>	<b>316,789</b>	<b>261,000</b>	<b>562,865</b>	<b>49,000</b>	<b>20.2%</b>	<b>65.9%</b>

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
<b>Daily Average Usages:</b>	<b>302,702</b>	<b>169,971</b>	<b>210,700</b>	<b>513,402</b>	<b>30,835,963</b>

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	2/13	5.38	5.10	0.10
Tue	2/14	5.42	5.00	
Wed	2/15	5.48	4.90	
Thu	2/16	5.42	5.10	
Fri	2/17	5.38	5.18	
Sat	2/18	5.42	5.00	
Sun	2/19	5.48	4.80	
<b>Weekly Total</b>				<b>0.10</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **146.35**

Based on Current Daily Average WTP Production Using Jefferies **181.42**

Based on Current (Permitted) Maximum Reservoir Safe Yield **102.79**

<b>Unusual Usage</b>	
Date	
2/13	
2/14	
2/15	
2/16	
2/17	
2/18	
2/19	
Total	0