

Town of Purcellville  
**Weekly Water Demand Report**  
 03/13/2017- 03/19/2017

**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	3/13	117,900	35,443	63,356	0	30,800	51,400	298,899	299,400	598,299	56,600	18.9%	70.1%
Tue	3/14	106,500	35,838	63,735	0	22,500	51,300	279,873	138,000	417,873	26,700	19.3%	48.9%
Wed	3/15	111,500	33,913	60,998	0	26,100	51,300	283,811	260,400	544,211	48,500	18.6%	63.7%
Thu	3/16	108,500	35,038	62,605	0	32,100	51,400	289,643	229,600	519,243	42,400	18.5%	60.8%
Fri	3/17	121,000	35,110	64,388	0	30,400	51,400	302,298	263,000	565,298	52,000	19.8%	66.2%
Sat	3/18	107,500	35,392	63,942	0	25,600	51,000	283,434	186,400	469,834	32,200	17.3%	55.0%
Sun	3/19	99,600	33,497	59,827	0	27,900	46,400	267,224	183,200	450,424	35,700	19.5%	52.7%
<b>Weekly Total</b>		<b>772,500</b>	<b>244,231</b>	<b>438,851</b>	<b>0</b>	<b>195,400</b>	<b>354,200</b>	<b>2,005,182</b>	<b>1,560,000</b>	<b>3,565,182</b>	<b>294,100</b>		
Daily Avg's		110,357	34,890	62,693	0	27,914	50,600	286,455	222,857	509,312	42,014	18.9%	59.6%
Weekly Max's		121,000	35,838	64,388	0	32,100	51,400	302,298	299,400	598,299	56,600	19.8%	70.1%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	286,455	180,843	222,857	509,312	31,038,472

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	3/13	5.35	5.00	
Tue*	3/14			
Wed*	3/15			
Thu	3/16	5.34	5.00	0.30
Fri	3/17	5.34	5.08	
Sat	3/18	5.30	5.16	0.03
Sun	3/19	5.36	5.26	0.50
<b>Weekly Total</b>				<b>0.83</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **139.28**

Based on Current Daily Average WTP Production Using Jefferies **171.63**

Based on Current (Permitted) Maximum Reservoir Safe Yield **103.46**

<b>Bulk Water Usage</b>	
Date	
3/13	
3/14	
3/15	
3/16	
3/17	
3/18	
3/19	
Total	0

Exceeds safe yield or permitted capacity

\*Not measured due to weather conditions