

Town of Purcellville  
**Weekly Water Demand Report**  
 12/12/2016 - 12/18/2016

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	12/12	113,000	41,115	63,765	0	34,100	80,700	332,680	184,000	516,680	36,000	19.6%	60.5%
Tue	12/13	103,200	39,642	61,962	0	31,800	80,800	317,404	191,000	508,404	41,800	21.9%	59.5%
Wed	12/14	109,100	36,833	57,549	0	31,000	81,500	315,982	158,000	473,982	32,300	20.4%	55.5%
Thu	12/15	112,200	40,533	63,850	0	32,100	80,900	329,583	168,200	497,783	36,500	21.7%	58.3%
Fri	12/16	126,300	48,645	77,348	0	36,800	81,000	370,093	198,800	568,893	42,400	21.3%	66.6%
Sat	12/17	86,700	37,385	59,184	0	28,500	82,100	293,869	201,000	494,869	31,600	15.7%	57.9%
Sun	12/18	114,700	34,766	54,757	0	23,500	74,100	301,823	200,000	501,823	37,500	18.8%	58.8%
<b>Weekly Total</b>		<b>765,200</b>	<b>278,919</b>	<b>438,415</b>	<b>0</b>	<b>217,800</b>	<b>561,100</b>	<b>2,261,434</b>	<b>1,301,000</b>	<b>3,562,434</b>	<b>258,100</b>		
Daily Avg's		109,314	39,846	62,631	0	31,114	80,157	323,062	185,857	508,919	36,871	19.8%	59.6%
Weekly Max's		126,300	48,645	77,348	0	36,800	82,100	370,093	201,000	568,893	42,400	21.9%	66.6%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	323,062	148,986	185,857	508,919	16,839,911

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)	Days of Water Storage in Reservoir	Date	Bulk Water Usage
Mon	12/12	1.50	1.20	0.10	Based on Current Daily Average WTP Production	12/12	
Tue	12/13	1.60	0.90			12/13	
Wed	12/14	1.60	0.65		Based on Current Daily Average WTP Production Using Jefferies	12/14	
Thu	12/15	1.60	0.50			12/15	
Fri	12/16	1.62	0.50		Based on Current (Permitted) Maximum Reservoir Safe Yield	12/16	
Sat	12/17					12/17	
Sun	12/18	1.64	0.45	0.32		12/18	
Weekly Total				0.42		Total	0

**Notes:**

Exceeds safe yield or permitted capacity