

Town of Purcellville  
**Weekly Water Demand Report**  
 1/9/2017 - 01/15/2017

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	1/9	109,600	39,317	62,573	0	28,900	90,400	330,790	190,400	521,190	37,200	19.5%	61.0%
Tue	1/10	110,800	38,317	61,214	0	28,300	81,000	319,631	215,900	535,531	40,200	18.6%	62.7%
Wed	1/11	114,800	41,092	65,459	0	29,600	86,200	337,151	159,600	496,751	31,500	19.7%	58.2%
Thu	1/12	109,100	37,851	60,878	0	27,900	81,800	317,529	184,100	501,629	39,300	21.3%	58.7%
Fri	1/13	104,600	41,468	66,410	0	27,100	82,500	322,078	241,200	563,278	50,400	20.9%	66.0%
Sat	1/14	112,100	40,485	64,583	0	25,000	78,700	320,868	239,000	559,868	49,600	20.8%	65.6%
Sun	1/15	114,300	40,295	65,372	0	28,900	76,200	325,067	234,100	559,167	44,600	19.1%	65.5%
<b>Weekly Total</b>		<b>775,300</b>	<b>278,825</b>	<b>446,489</b>	<b>0</b>	<b>195,700</b>	<b>576,800</b>	<b>2,273,114</b>	<b>1,464,300</b>	<b>3,737,414</b>	<b>292,800</b>		
Daily Avg's		110,757	39,832	63,784	0	27,957	82,400	324,731	209,186	533,916	41,829	20.0%	62.5%
Weekly Max's		114,800	41,468	66,410	0	29,600	90,400	337,151	241,200	563,278	50,400	21.3%	66.0%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	324,731	167,357	209,186	533,916	18,904,470

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)	Days of Water Storage in Reservoir		Bulk Water Usage	
Mon	1/9	1.86	1.26		Based on Current Daily Average WTP Production	90.37	1/9	
Tue	1/10	1.88	1.28					
Wed	1/11	1.90	1.28	0.01	Based on Current Daily Average WTP Production Using Jefferies	112.96	1/11	
Thu	1/12	1.98	1.30	0.17				
Fri	1/13	2.08	1.28	0.20	Based on Current (Permitted) Maximum Reservoir Safe Yield	63.01	1/13	
Sat	1/14	2.08	1.28	0.02				
Sun	1/15	2.20	1.34	0.25				
Weekly Total				0.65			Total	0

**Notes:** Leaks reported on 1/11/17, 1/12/17, and 1/13/17. Estimated water lost is at least 50,000 gallons.

Exceeds safe yield or permitted capacity