

Town of Purcellville
Weekly Water Demand Report
 03/27/2017- 04/02/2017

Notes: Village Case Well turned off for repairs on 3/29/2017. Unidirectional flushing started on 4/2/2017.

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	3/27	104,300	32,280	58,286	0	26,400	78,300	299,566	254,900	554,466	51,300	20.1%	64.9%
Tue	3/28	109,500	31,600	57,019	0	24,700	70,400	293,219	251,000	544,219	51,600	20.6%	63.7%
Wed	3/29	57,500	32,725	59,272	0	26,500	60,800	236,797	254,200	490,997	52,400	20.6%	57.5%
Thu	3/30	129,900	33,065	60,233	0	25,500	52,400	301,098	158,900	459,998	33,400	21.0%	53.9%
Fri	3/31	127,000	35,963	64,980	0	28,900	61,400	318,243	233,900	552,143	49,400	21.1%	64.7%
Sat	4/1	125,000	35,176	64,232	0	28,300	49,300	302,008	188,800	490,808	40,400	21.4%	57.5%
Sun	4/2	130,700	34,213	62,152	0	28,300	69,800	325,165	275,200	600,365	59,400	21.6%	70.3%
Weekly Total		783,900	235,022	426,174	0	188,600	442,400	2,076,096	1,616,900	3,692,996	337,900		
Daily Avg's		111,986	33,575	60,882	0	26,943	63,200	296,585	230,986	527,571	48,271	20.9%	61.8%
Weekly Max's		130,700	35,963	64,980	0	28,900	78,300	325,165	275,200	600,365	59,400	21.6%	70.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	296,585	182,714	230,986	527,571	31,459,559

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	3/27	5.44	5.20	0.06
Tue	3/28	5.48	5.28	0.40
Wed	3/29	5.48	5.25	0.20
Thu	3/30	5.46	5.22	
Fri	3/31	5.50	5.34	0.50
Sat	4/1	5.50	5.32	0.24
Sun	4/2	5.50	5.30	
Weekly Total				1.40

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **136.20**

Based on Current Daily Average WTP Production Using Jefferies **172.18**

Based on Current (Permitted) Maximum Reservoir Safe Yield **104.87**

Bulk Water Usage	
Date	
3/27	
3/28	
3/29	
3/30	
3/31	
4/1	
4/2	
Total	0

Exceeds safe yield or permitted capacity