

Town of Purcellville
Weekly Water Demand Report
 09/12/2016 - 09/18/2016

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	9/12	94,000	31,726	58,350	0	36,300	95,700	316,076	341,000	657,076	56,700	16.6%	77.9%
Tue	9/13	91,200	33,648	61,937	0	33,800	81,100	301,685	296,200	597,885	48,000	16.2%	70.9%
Wed	9/14	85,900	31,342	58,495	0	37,500	97,200	310,437	360,900	671,337	56,700	15.7%	79.6%
Thu	9/15	103,900	35,314	65,229	0	29,700	86,100	320,243	329,900	650,143	50,800	15.4%	77.1%
Fri	9/16	103,500	41,174	76,678	0	12,300	90,400	324,052	277,200	601,252	44,400	16.0%	71.3%
Sat	9/17	96,900	31,846	59,589	0	28,900	82,200	299,435	173,000	472,435	28,400	16.4%	56.0%
Sun	9/18	97,000	32,107	59,678	0	26,900	76,400	292,085	215,100	507,185	35,900	16.7%	60.2%
Weekly Total		672,400	237,157	439,956	0	205,400	609,100	2,164,013	1,993,300	4,157,313	320,900		
Daily Avg's		96,057	33,880	62,851	0	29,343	87,014	309,145	284,757	593,902	45,843	16.1%	70.5%
Weekly Max's		103,900	41,174	76,678	0	37,500	97,200	324,052	360,900	671,337	56,700	16.7%	79.6%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	309,145	238,914	284,757	593,902	21,664,495

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	9/12	3.80	2.20	
Tue	9/13	3.70	2.10	
Wed	9/14	3.60	2.04	
Thu	9/15	3.50	2.00	
Fri	9/16	3.40	1.98	
Sat	9/17	3.30	1.78	
Sun	9/18	3.20	1.68	
Weekly Total				0.00

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production		76.08
Based on Current Daily Average WTP Production Using Jefferies		90.68
Based on Current (Permitted) Maximum Reservoir Safe Yield		72.21

Bulk Water Usage

Date		
9/12	9,500	Bulk Water Sales
9/13	18,900	Bulk Water Sales
9/14		
9/15	13,500	Bulk Water Sales
9/16		
9/17		
9/18		
Total	41,900	

Notes: Fire Dept. used approximately 15,000 gallons on 9/13/2016. Police report of water theft and hydrant testing on 9/14/2016.

Exceeds safe yield or permitted capacity