

Town of Purcellville
Weekly Water Demand Report
 09/18/2017- 09/24/2017

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	9/18	114,500	35,040	58,360	0	25,600	71,000	304,500	293,400	597,900	0	0.0%	70.0%
Tue	9/19	114,200	37,764	62,757	0	26,300	52,300	293,321	319,400	612,721	0	0.0%	71.7%
Wed	9/20	103,200	34,369	57,160	0	23,400	52,400	270,529	298,900	569,429	0	0.0%	66.7%
Thu	9/21	120,700	36,176	60,451	0	25,900	68,500	311,727	287,500	599,227	0	0.0%	70.2%
Fri	9/22	116,700	38,742	64,589	0	24,400	78,900	323,331	294,700	618,031	0	0.0%	72.4%
Sat	9/23	111,400	39,523	65,748	0	23,300	63,900	303,871	228,900	532,771	32,900	14.4%	62.4%
Sun	9/24	113,900	36,396	60,256	0	22,100	74,200	306,852	224,200	531,052	32,700	14.6%	62.2%
Weekly Total		794,600	258,010	429,321	0	171,000	461,200	2,114,131	1,947,000	4,061,131	65,600		
Daily Avg's		113,514	36,859	61,332	0	24,429	65,886	302,019	278,143	580,162	9,371	3.4%	67.9%
Weekly Max's		120,700	39,523	65,748	0	26,300	78,900	323,331	319,400	618,031	32,900	14.6%	72.4%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	302,019	268,771	278,143	580,162	27,794,879

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)	Days of Water Storage in Reservoir		Bulk Water Usage					
Mon	9/18	5.00	4.12		Based on Current Daily Average WTP Production	99.93	9/18					
Tue	9/19	5.00	4.10						Based on Current Daily Average WTP Production Using Jefferies	103.41	9/19	
Wed	9/20	4.92	4.10		Based on Current (Permitted) Maximum Reservoir Safe Yield	92.65	9/20					
Thu	9/21	4.90	3.90									
Fri	9/22	4.88	3.80		9/22							
Sat	9/23	4.86	3.76				9/23					
Sun	9/24	4.82	3.64		9/24							
Weekly Total				0.00			Total	0				

Exceeds safe yield or permitted capacity