

Town of Purcellville
Weekly Water Demand Report
 08/29/2016 - 09/04/2016

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	8/29	101,700	32,543	59,155	0	51,500	104,900	349,798	323,600	673,398	53,500	16.5%	79.9%
Tue	8/30	91,000	31,815	58,572	0	45,100	97,100	323,587	284,000	607,587	49,900	17.6%	72.1%
Wed	8/31	95,800	32,650	60,264	0	31,100	90,900	310,714	283,000	593,714	43,200	15.3%	70.4%
Thu	9/1	109,700	33,708	61,765	0	24,000	54,600	283,773	277,000	560,773	45,200	16.3%	66.5%
Fri	9/2	85,400	34,545	63,638	0	32,900	88,500	304,983	288,000	592,983	48,800	16.9%	70.3%
Sat	9/3	98,000	37,492	68,668	0	0	76,300	280,460	223,800	504,260	36,500	16.3%	59.8%
Sun	9/4	101,700	37,798	68,918	0	0	77,600	286,016	218,600	504,616	35,900	16.4%	59.9%
Weekly Total		683,300	240,551	440,980	0	184,600	589,900	2,139,331	1,898,000	4,037,331	313,000		
Daily Avg's		97,614	34,364	62,997	0	26,371	84,271	305,619	271,143	576,762	44,714	16.5%	68.4%
Weekly Max's		109,700	37,798	68,918	0	51,500	104,900	349,798	323,600	673,398	53,500	17.6%	79.9%

Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages: 305,619	226,429	271,143	576,762	25,588,512

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	8/29	4.70	3.50	
Tue	8/30	4.65	3.40	
Wed	8/31	4.60	3.12	
Thu	9/1	4.54	3.06	0.12
Fri	9/2	4.50	2.88	0.06
Sat	9/3	4.48	2.80	
Sun	9/4	4.40	2.73	
Weekly Total				0.18

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	94.37
Based on Current Daily Average WTP Production Using Jefferies	113.01
Based on Current (Permitted) Maximum Reservoir Safe Yield	85.30

Bulk Water Usage	
Date	
8/29	18,900 Bulk Water Sales
8/30	9,300 Bulk Water Sales
8/31	18,800 Bulk Water Sales
9/1	21,600 Bulk Water Sales
9/2	4,400 Bulk Water Sales
9/3	
9/4	
Total	73,000

Notes:

Exceeds safe yield or permitted capacity