

Town of Purcellville
Weekly Water Demand Report
 11/07/2016 - 11/13/2016

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	11/7	110,400	40,218	61,679	35,500	26,500	71,500	345,797	168,900	514,697	35,200	20.8%	57.6%
Tue	11/8	92,100	40,767	61,728	33,800	25,600	77,300	331,295	145,000	476,295	31,900	22.0%	53.3%
Wed	11/9	104,400	40,333	60,895	33,800	24,100	71,600	335,128	140,300	475,428	30,000	21.4%	53.2%
Thu	11/10	111,200	45,681	69,463	37,600	26,900	76,400	367,244	167,000	534,244	34,500	20.7%	59.8%
Fri	11/11	102,000	43,638	65,828	34,400	23,300	75,300	344,466	156,700	501,166	30,800	19.7%	56.1%
Sat	11/12	109,500	44,222	66,584	35,400	23,500	74,800	354,006	151,100	505,106	29,600	19.6%	56.5%
Sun	11/13	103,000	39,725	60,787	29,100	23,600	74,800	331,012	138,200	469,212	27,200	19.7%	52.5%
Weekly Total		732,600	294,584	446,964	239,600	173,500	521,700	2,408,948	1,067,200	3,476,148	219,200		
Daily Avg's		104,657	42,083	63,852	34,229	24,786	74,529	344,135	152,457	496,593	31,314	20.5%	55.5%
Weekly Max's		111,200	45,681	69,463	37,600	26,900	77,300	367,244	168,900	534,244	35,200	22.0%	59.8%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	344,135	121,143	152,457	496,593	18,577,704

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)	Days of Water Storage in Reservoir		Bulk Water Usage	
Mon	11/7	2.60	0.28		Based on Current Daily Average WTP Production	121.86	Date	11/7
Tue	11/8	2.50	0.38					11/8
Wed	11/9	2.40	0.42	0.13	Based on Current Daily Average WTP Production Using Jefferies	153.35	Date	11/9
Thu	11/10	2.45	0.50	0.10				11/10
Fri	11/11	2.40	0.54		Based on Current (Permitted) Maximum Reservoir Safe Yield	61.93	Date	11/11
Sat	11/12	2.30	0.60					11/12
Sun	11/13	2.30	0.66					11/13
Weekly Total				0.23			Total	0

Notes:

Exceeds safe yield or permitted capacity