

Town of Purcellville
Weekly Water Demand Report
 1/16/2017 - 01/22/2017

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	1/16	107,500	36,657	59,120	0	25,200	74,500	302,977	179,800	482,777	37,900	21.1%	56.5%
Tue	1/17	105,300	39,878	64,959	0	32,400	80,100	322,637	241,000	563,637	51,300	21.3%	66.0%
Wed	1/18	120,700	39,369	63,569	0	22,000	79,400	325,038	224,800	549,838	42,400	18.9%	64.4%
Thu	1/19	99,900	36,750	64,320	0	26,200	80,700	307,870	233,200	541,070	45,200	19.4%	63.4%
Fri	1/20	105,400	40,865	67,073	0	28,400	79,900	321,638	194,700	516,338	37,100	19.1%	60.5%
Sat	1/21	108,800	40,579	66,074	0	29,400	66,600	311,453	178,300	489,753	35,400	19.9%	57.3%
Sun	1/22	119,600	39,382	64,152	0	29,800	69,300	322,234	191,300	513,534	38,300	20.0%	60.1%
Weekly Total		767,200	273,480	449,267	0	193,400	530,500	2,213,847	1,443,100	3,656,947	287,600		
Daily Avg's		109,600	39,069	64,181	0	27,629	75,786	316,264	206,157	522,421	41,086	19.9%	61.2%
Weekly Max's		120,700	40,865	67,073	0	32,400	80,700	325,038	241,000	563,637	51,300	21.3%	66.0%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	316,264	165,071	206,157	522,421	20,001,762

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)	Days of Water Storage in Reservoir		Bulk Water Usage		
Mon	1/16	2.26	1.32	0.03	Based on Current Daily Average WTP Production	97.02	Date	1/16	
Tue	1/17	2.30	1.32	0.13				1/17	
Wed	1/18	2.40	1.40	0.12	Based on Current Daily Average WTP Production Using Jefferies	121.17		1/18	
Thu	1/19	2.48	1.36					1/19	
Fri	1/20	2.54	1.34		Based on Current (Permitted) Maximum Reservoir Safe Yield	66.67	Date	1/20	
Sat	1/21	2.60	1.35	0.04				1/21	
Sun	1/22	2.65	1.35	0.10				1/22	
Weekly Total				0.42			Total	0	

Notes:

Exceeds safe yield or permitted capacity