

Town of Purcellville
Weekly Water Demand Report
 1/2/2017 - 01/08/2017

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	1/2	101,600	35,715	56,351	0	0	70,600	264,266	200,400	464,666	35,000	17.5%	54.4%
Tue	1/3	100,900	36,280	56,955	0	20,800	90,200	305,135	244,100	549,235	46,100	18.9%	64.3%
Wed	1/4	112,200	38,704	61,091	0	40,800	80,300	333,095	174,900	507,995	34,700	19.8%	59.5%
Thu	1/5	116,900	39,822	63,578	0	34,500	82,000	336,800	190,400	527,200	37,200	19.5%	61.7%
Fri	1/6	117,200	38,718	61,256	0	31,100	84,000	332,274	215,900	548,174	40,200	18.6%	64.2%
Sat	1/7	112,100	42,587	67,954	0	32,300	70,500	325,441	159,600	485,041	31,500	19.7%	56.8%
Sun	1/8	116,300	42,374	66,810	0	29,500	73,400	328,384	184,100	512,484	39,300	21.3%	60.0%
Weekly Total		777,200	274,200	433,995	0	189,000	551,000	2,225,395	1,369,400	3,594,795	264,000		
Daily Avg's		111,029	39,171	61,999	0	27,000	78,714	317,914	195,629	513,542	37,714	19.3%	60.1%
Weekly Max's		117,200	42,587	67,954	0	40,800	90,200	336,800	244,100	549,235	46,100	21.3%	64.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	317,914	157,914	195,629	513,542	18,138,932

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)	Days of Water Storage in Reservoir		Bulk Water Usage		
Mon	1/2	1.20	0.40	0.25	Based on Current Daily Average WTP Production	92.72	Date	1/2	
Tue	1/3	1.24	0.70	0.65				1/3	
Wed	1/4	1.56	1.44	0.45	Based on Current Daily Average WTP Production Using Jefferies	114.87		1/4	
Thu	1/5	1.72	1.30					1/5	
Fri	1/6	1.80	1.30		1/6				
Sat	1/7	1.84	1.28	0.01	1/7				
Sun	1/8	1.90	1.28		1/8				
Weekly Total				1.36	Based on Current (Permitted) Maximum Reservoir Safe Yield	60.46		Total	0

Notes: Small water break reported by Maintenance on January 3, 2017.

Exceeds safe yield or permitted capacity