

Town of Purcellville
Weekly Water Demand Report
 12/18/2017- 12/24/2017

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	12/18	126,500	32,287	57,615	0	26,400	82,800	325,602	281,700	607,302	39,800	14.1%	71.1%
Tue	12/19	130,700	31,988	57,511	0	21,700	51,200	293,099	286,800	579,899	39,400	13.7%	67.9%
Wed	12/20	121,200	29,914	53,489	0	24,500	51,100	280,203	208,200	488,403	28,200	13.5%	57.2%
Thu	12/21	141,000	34,888	62,470	0	22,500	51,200	312,058	222,000	534,058	30,300	13.6%	62.5%
Fri	12/22	108,900	34,312	61,606	0	24,900	51,200	280,918	262,900	543,818	35,900	13.7%	63.7%
Sat	12/23	137,700	35,139	63,029	0	19,300	51,200	306,368	202,200	508,568	27,400	13.6%	59.6%
Sun	12/24	131,700	33,951	60,880	0	21,800	66,900	315,231	216,700	531,931	30,200	13.9%	62.3%
Weekly Total		897,700	232,479	416,600	0	161,100	405,600	2,113,479	1,680,500	3,793,979	231,200		
Daily Avg's		128,243	33,211	59,514	0	23,014	57,943	301,926	240,071	541,997	33,029	13.8%	63.5%
Weekly Max's		141,000	35,139	63,029	0	26,400	82,800	325,602	286,800	607,302	39,800	14.1%	71.1%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	301,926	207,043	240,071	541,997	26,817,290

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	12/18	4.40	4.10	
Tue	12/19	4.30	4.16	
Wed	12/20	4.28	4.18	
Thu	12/21	4.20	4.18	
Fri	12/22	4.18	4.18	
Sat	12/23	4.10	4.20	0.17
Sun	12/24	4.20	4.25	0.35
Weekly Total				0.52

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	111.71
Based on Current Daily Average WTP Production Using Jefferies	129.53
Based on Current (Permitted) Maximum Reservoir Safe Yield	89.39

Bulk Water Usage

Date	
12/18	
12/19	
12/20	
12/21	
12/22	
12/23	
12/24	
Total	0

Exceeds safe yield or permitted capacity