

Town of Purcellville
Weekly Water Demand Report
 12/26/2016 - 01/01/2017

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	12/26	96,900	40,170	63,141	0	29,400	73,200	302,811	164,200	467,011	38,000	23.1%	54.7%
Tue	12/27	117,300	38,792	60,734	0	26,800	79,900	323,526	204,600	528,126	42,300	20.7%	61.8%
Wed	12/28	115,900	41,152	65,006	0	55,700	78,500	356,258	148,200	504,458	27,800	18.8%	59.1%
Thu	12/29	110,300	42,943	66,914	0	15,400	80,300	315,857	180,200	496,057	32,800	18.2%	58.1%
Fri	12/30	133,300	46,169	72,802	0	21,500	79,700	353,471	172,800	526,271	34,600	20.0%	61.6%
Sat	12/31	113,500	39,903	62,092	0	5,200	74,600	295,295	172,000	467,295	31,300	18.2%	54.7%
Sun	1/1	101,600	35,715	56,351	0	0	71,700	265,366	198,400	463,766	38,000	19.2%	54.3%
Weekly Total		788,800	284,844	447,040	0	154,000	537,900	2,212,584	1,240,400	3,452,984	244,800		
Daily Avg's		112,686	40,692	63,863	0	22,000	76,843	316,083	177,200	493,283	34,971	19.7%	57.8%
Weekly Max's		133,300	46,169	72,802	0	55,700	80,300	356,258	204,600	528,126	42,300	23.1%	61.8%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	316,083	142,229	177,200	493,283	15,839,400

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	12/26	1.40	0.44	
Tue	12/27	1.36	0.38	
Wed	12/28	1.32	0.40	
Thu	12/29	1.30	0.40	0.14
Fri	12/30	1.26	0.40	
Sat	12/31	1.25	0.35	
Sun	1/1	1.22	0.40	
Weekly Total				0.14

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production		89.39
Based on Current Daily Average WTP Production Using Jefferies		111.37
Based on Current (Permitted) Maximum Reservoir Safe Yield		52.80

Bulk Water Usage	
Date	
12/26	
12/27	
12/28	
12/29	
12/30	
12/31	
1/1	
Total	0

Notes:

Exceeds safe yield or permitted capacity