

Town of Purcellville
Weekly Water Demand Report
 12/04/2017- 12/10/2017

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	12/4	123,800	31,767	56,602	0	24,600	51,400	288,169	283,300	571,469	38,400	13.6%	66.9%
Tue	12/5	126,500	34,123	60,773	0	24,100	51,500	296,996	261,600	558,596	32,500	12.4%	65.4%
Wed	12/6	118,200	32,501	57,386	0	22,700	51,500	282,287	237,200	519,487	32,200	13.6%	60.8%
Thu	12/7	123,300	32,346	57,739	0	22,800	51,300	287,485	275,200	562,685	35,900	13.0%	65.9%
Fri	12/8	124,600	34,646	62,242	0	22,900	51,400	295,788	222,600	518,388	30,000	13.5%	60.7%
Sat	12/9	128,300	36,914	65,709	0	21,900	51,300	304,123	181,200	485,323	27,000	14.9%	56.8%
Sun	12/10	121,800	37,035	65,971	0	25,600	51,900	302,306	205,000	507,306	28,300	13.8%	59.4%
Weekly Total		866,500	239,332	426,422	0	164,600	360,300	2,057,154	1,666,100	3,723,254	224,300		
Daily Avg's		123,786	34,190	60,917	0	23,514	51,471	293,879	238,014	531,893	32,043	13.5%	62.3%
Weekly Max's		128,300	37,035	65,971	0	25,600	51,900	304,123	283,300	571,469	38,400	14.9%	66.9%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	293,879	205,971	238,014	531,893	28,152,435

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	12/4	4.90	4.26	
Tue	12/5	4.82	4.22	
Wed	12/6	4.80	4.22	0.15
Thu	12/7	4.80	4.20	
Fri	12/8	4.76	4.18	
Sat	12/9	4.76	4.14	
Sun	12/10	4.76	4.12	
Weekly Total				0.15

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	118.28
Based on Current Daily Average WTP Production Using Jefferies	136.68
Based on Current (Permitted) Maximum Reservoir Safe Yield	93.84

Bulk Water Usage

Date	
12/4	
12/5	
12/6	
12/7	
12/8	
12/9	
12/10	
Total	0

Exceeds safe yield or permitted capacity