

Town of Purcellville
Weekly Water Demand Report
 02/29/2016 - 03/06/2016

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	2/29	105,400	25,708	48,219	0	41,300	88,200	308,827	240,000	548,827	0	0.0%	65.1%
Tue	3/1	96,600	35,106	57,603	0	28,700	53,700	271,709	190,700	462,409	0	0.0%	54.9%
Wed	3/2	99,700	36,955	60,129	0	32,500	74,600	303,884	224,700	528,584	0	0.0%	62.7%
Thu	3/3	104,700	38,175	62,021	0	24,000	57,200	286,096	219,200	505,296	0	0.0%	59.9%
Fri	3/4	102,300	43,115	69,367	0	26,200	60,900	301,882	264,800	566,682	0	0.0%	67.2%
Sat	3/5	103,700	43,746	70,931	0	0	79,800	298,177	208,200	506,377	0	0.0%	60.1%
Sun	3/6	87,000	31,276	50,590	0	0	84,000	252,866	213,200	466,066	0	0.0%	55.3%
Weekly Total		699,400	254,081	418,860	0	152,700	498,400	2,023,441	1,560,800	3,584,241	0		
Daily Avg's		99,914	36,297	59,837	0	21,814	71,200	289,063	222,971	512,034	0	0.0%	60.7%
Weekly Max's		105,400	43,746	70,931	0	41,300	88,200	308,827	264,800	566,682	0	0.0%	67.2%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	289,063	222,971	222,971	512,034	30,514,126

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	2/29	5.28	5.32	
Tue	3/1	5.27	5.32	
Wed	3/2	5.27	5.30	
Thu	3/3	5.28	5.30	
Fri	3/4	5.20	5.24	0.08
Sat	3/5	5.20	5.20	
Sun	3/6	5.19	5.20	
Weekly Total				0.08

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **136.85**

Based on Current Daily Average WTP Production Using Jefferies **136.85**

Based on Current (Permitted) Maximum Reservoir Safe Yield **101.71**

Unusual Usage		
Date		
2/29	11,800	Bulk Water Sales
3/1	2,300	Bulk Water Sales
3/2	8,900	Bulk Water Sales
3/3	2,600	Bulk Water Sales
3/4		
3/5		
3/6		
Total	25,600	