

Town of Purcellville
Weekly Water Demand Report
 01/04/2016- 01/10/2016

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	1/4	100,100	30,385	58,850	0	49,000	71,100	309,435	243,100	552,535	0	0.0%	65.5%
Tue	1/5	109,500	31,612	61,266	0	35,900	63,600	301,878	204,200	506,078	0	0.0%	60.0%
Wed	1/6	93,000	32,353	56,431	0	39,800	61,900	283,484	219,700	503,184	0	0.0%	59.7%
Thu	1/7	103,800	36,097	59,982	0	42,300	66,800	308,979	230,000	538,979	0	0.0%	63.9%
Fri	1/8	114,000	38,107	69,037	0	37,600	61,900	320,644	223,200	543,844	0	0.0%	64.5%
Sat	1/9	113,300	43,645	73,216	0	0	51,400	281,561	191,900	473,461	0	0.0%	56.2%
Sun	1/10	80,000	30,820	55,667	0	0	53,300	219,787	213,900	433,687	0	0.0%	51.4%
Weekly Total		713,700	243,019	434,449	0	204,600	430,000	2,025,768	1,526,000	3,551,768	0		
Daily Avg's		101,957	34,717	62,064	0	29,229	61,429	289,395	218,000	507,395	0	0.0%	60.2%
Weekly Max's		114,000	43,645	73,216	0	49,000	71,100	320,644	243,100	552,535	0	0.0%	65.5%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	289,395	218,000	218,000	507,395	31,008,966

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	1/4	5.46	5.12	
Tue	1/5	5.40	5.10	
Wed	1/6	5.40	5.10	
Thu	1/7	5.38	5.10	
Fri	1/8	5.34	5.10	
Sat	1/9	5.36	5.11	0.10
Sun	1/10	5.40	5.14	1.30
Weekly Total				1.40

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	142.24
Based on Current Daily Average WTP Production Using Jefferies	142.24
Based on Current (Permitted) Maximum Reservoir Safe Yield	103.36

Unusual Usage	
Date	
1/4	
1/5	
1/6	
1/7	
1/8	
1/9	
1/10	
Total	0