Town of Purcellville

Weekly Water Demand Report

12/07/2015- 12/13/2015

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	12/7	96,900	25,751	57,395	0	48,000	52,400	280,446	272,000	552,446	0	0.0%	65.5%
Tue	12/8	98,700	26,735	60,048	0	40,700	53,500	279,683	210,700	490,383	0	0.0%	58.2%
Wed	12/9	102,100	26,294	58,689	0	29,500	48,400	264,983	184,200	449,183	0	0.0%	53.3%
Thu	12/10	99,800	26,765	58,212	0	44,900	53,100	282,777	248,100	530,877	0	0.0%	63.0%
Fri	12/11	101,100	28,857	65,097	0	23,300	65,500	283,854	197,100	480,954	0	0.0%	57.1%
Sat	12/12	105,500	29,752	67,543	0	0	52,800	255,595	212,900	468,495	0	0.0%	55.6%
Sun	12/13	97,600	27,039	61,963	0	0	75,600	262,202	180,100	442,302	0	0.0%	52.5%
Weekly Total		**701,700**	**191,193**	**428,947**	**0**	**186,400**	**401,300**	**1,909,540**	**1,505,100**	**3,414,640**	**0**		
Daily Avg's		**100,243**	**27,313**	**61,278**	**0**	**26,629**	**57,329**	**272,791**	**215,014**	**487,806**	**0**	**0.0%**	**57.9%**
Weekly Max's		**105,500**	**29,752**	**67,543**	**0**	**48,000**	**75,600**	**283,854**	**272,000**	**552,446**	**0**	**0.0%**	**65.5%**

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	**272,791**	**215,014**	**215,014**	**487,806**	**30,649,566**

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	12/7	5.32	5.06	
Tue	12/8	5.30	5.06	
Wed	12/9	5.30	5.00	
Thu	12/10	5.32	5.06	0.01
Fri	12/11	5.30	5.00	
Sat	12/12	5.30	5.06	0.01
Sun	12/13	5.30	5.06	
Weekly Total				**0.02**

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	**142.55**
Based on Current Daily Average WTP Production Using Jefferies	**142.55**
Based on Current (Permitted) Maximum Reservoir Safe Yield	**102.17**

Unusual Usage

Date		
12/7		
12/8		
12/9		
12/10		
12/11		
12/12		
12/13		
Total	0	