Town of Purcellville

Weekly Water Demand Report

7/16/2018- 07/22/2018

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	7/16	109,650	33,633	63,717	0	23,500	78,600	309,100	350,800	659,900	0	0.0%	77.3%
Tue	7/17	91,843	27,828	53,241	0	21,600	70,200	264,712	295,600	560,312	0	0.0%	65.6%
Wed	7/18	97,060	29,697	56,658	0	28,800	72,200	284,415	299,800	584,215	0	0.0%	68.4%
Thu	7/19	105,993	33,971	65,204	0	23,300	70,300	298,768	238,400	537,168	0	0.0%	62.9%
Fri	7/20	80,128	36,020	69,429	0	25,200	82,600	293,377	294,800	588,177	0	0.0%	68.9%
Sat	7/21	97,734	31,219	60,370	0	23,100	56,300	268,723	236,100	504,823	0	0.0%	59.1%
Sun	7/22	95,876	31,367	60,609	0	21,000	52,500	261,352	222,300	483,652	0	0.0%	56.6%
Weekly Total		**678,284**	**223,735**	**429,228**	**0**	**166,500**	**482,700**	**1,980,447**	**1,937,800**	**3,918,247**	**0**		
Daily Avg's		**96,898**	**31,962**	**61,318**	**0**	**23,786**	**68,957**	**282,921**	**276,829**	**559,750**	**0**	**0.0%**	**65.5%**
Weekly Max's		**109,650**	**36,020**	**69,429**	**0**	**28,800**	**82,600**	**309,100**	**350,800**	**659,900**	**0**	**0.0%**	**77.3%**

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	**282,921**	**276,829**	**276,829**	**559,750**	**31,041,146**

Day	Date	Front Lake (5.6' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	7/16	5.62	4.88	0.20
Tue	7/17	5.62	4.86	
Wed	7/18	5.67	4.92	1.00
Thu	7/19	5.66	4.84	
Fri	7/20	5.60	4.78	
Sat	7/21	5.60	4.74	
Sun	7/22	5.78	4.98	2.00
Weekly Total		▪ ▪	▪ ▪	**3.20**

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	**112.13**
Based on Current Daily Average WTP Production Using Jefferies	**112.13**
Based on Current (Permitted) Maximum Reservoir Safe Yield	**103.47**

Bulk Water Usage

Date		
7/16		
7/17		
7/18		
7/19		
7/20		
7/21		
7/22		
Total	0	▪ ▪ ▪ ▪ ▪

Exceeds safe yield or permitted capacity