

Town of Purcellville
Weekly Water Demand Report
 11/13/2017- 11/19/2017

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	11/13	118,800	31,062	54,854	0	21,400	51,200	277,316	290,000	567,316	40,300	13.9%	66.4%
Tue	11/14	121,400	32,409	57,568	0	23,800	51,200	286,377	193,800	480,177	26,300	13.6%	56.2%
Wed	11/15	124,900	33,783	60,312	0	24,200	69,900	313,095	286,700	599,795	40,200	14.0%	70.2%
Thu	11/16	125,200	33,805	60,456	0	26,400	51,200	297,061	224,500	521,561	29,800	13.3%	61.1%
Fri	11/17	131,300	37,508	66,558	0	25,800	51,200	312,366	284,200	596,566	38,600	13.6%	69.9%
Sat	11/18	121,900	37,383	65,975	0	21,900	51,400	298,558	178,000	476,558	24,400	13.7%	55.8%
Sun	11/19	117,900	32,206	56,639	0	25,100	50,400	282,245	227,400	509,645	32,200	14.2%	59.7%
Weekly Total		861,400	238,156	422,362	0	168,600	376,500	2,067,018	1,684,600	3,751,618	231,800		
Daily Avg's		123,057	34,022	60,337	0	24,086	53,786	295,288	240,657	535,945	33,114	13.8%	62.8%
Weekly Max's		131,300	37,508	66,558	0	26,400	69,900	313,095	290,000	599,795	40,300	14.2%	70.2%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	295,288	207,543	240,657	535,945	29,554,898

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	11/13	5.30	4.36	0.10
Tue	11/14	5.22	4.32	
Wed	11/15	5.22	4.39	
Thu	11/16	5.14	4.50	0.05
Fri	11/17	5.10	4.50	
Sat	11/18	5.10	4.50	
Sun	11/19	5.15	4.45	
Weekly Total				0.15

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	122.81
Based on Current Daily Average WTP Production Using Jefferies	142.40
Based on Current (Permitted) Maximum Reservoir Safe Yield	98.52

Bulk Water Usage	
Date	
11/13	
11/14	
11/15	
11/16	
11/17	
11/18	
11/19	
Total	0

Exceeds safe yield or permitted capacity