

Town of Purcellville
Weekly Water Demand Report
 10/17/2016 - 10/23/2016

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	10/17	105,500	33,431	64,897	0	24,200	97,700	325,728	321,100	646,828	46,200	14.4%	76.7%
Tue	10/18	106,900	33,389	64,595	0	31,000	84,400	320,284	240,900	561,184	38,400	15.9%	66.6%
Wed	10/19	104,900	32,082	63,153	0	18,900	82,700	301,735	247,100	548,835	40,800	16.5%	65.1%
Thu	10/20	105,600	33,446	64,952	0	34,500	78,800	317,298	208,800	526,098	36,900	17.7%	62.4%
Fri	10/21	89,700	33,760	65,636	0	11,500	68,300	268,896	220,400	489,296	37,100	16.8%	58.0%
Sat	10/22	109,100	32,830	64,273	0	28,700	67,800	302,703	224,600	527,303	39,000	17.4%	62.6%
Sun	10/23	113,400	36,678	71,367	0	28,800	72,100	322,345	204,200	526,545	36,400	17.8%	62.5%
Weekly Total		735,100	235,616	458,873	0	177,600	551,800	2,158,989	1,667,100	3,826,089	274,800		
Daily Avg's		105,014	33,659	65,553	0	25,371	78,829	308,427	238,157	546,584	39,257	16.5%	64.8%
Weekly Max's		113,400	36,678	71,367	0	34,500	97,700	325,728	321,100	646,828	46,200	17.8%	76.7%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	308,427	198,900	238,157	546,584	20,980,923

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	10/17	3.56	1.48	
Tue	10/18	3.44	1.50	
Wed	10/19	3.38	1.50	
Thu	10/20	3.30	1.48	
Fri	10/21	3.25	1.45	
Sat	10/22	3.00	1.50	0.12
Sun	10/23	3.00	1.48	
Weekly Total				0.12

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	88.10
Based on Current Daily Average WTP Production Using Jefferies	105.48
Based on Current (Permitted) Maximum Reservoir Safe Yield	69.94

Bulk Water Usage	
Date	
10/17	
10/18	
10/19	
10/20	
10/21	
10/22	
10/23	
Total	0

Notes:

Exceeds safe yield or permitted capacity