

Town of Purcellville
Weekly Water Demand Report
 10/09/2017- 10/15/2017

Notes:

Mountain View Well was not operational on 10/09/17 due to repairs. Main Street Complex wells were not operational on 10/10/17 due to routine carbon change-out activities.

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	10/9	119,500	37,073	60,507	0	0	72,400	289,480	222,100	511,580	29,100	13.1%	59.9%
Tue	10/10	3,700	38,796	63,874	0	28,710	56,700	191,780	388,200	579,980	51,600	13.3%	67.9%
Wed	10/11	109,600	41,390	67,204	0	27,300	82,600	328,094	322,900	650,994	42,400	13.1%	76.2%
Thu	10/12	116,400	34,078	55,932	0	25,100	65,400	296,910	210,600	507,510	28,900	13.7%	59.4%
Fri	10/13	129,100	40,920	67,445	0	30,300	82,400	350,165	232,100	582,265	30,800	13.3%	68.2%
Sat	10/14	129,300	42,805	70,200	0	26,400	46,700	315,405	195,200	510,605	27,700	14.2%	59.8%
Sun	10/15	110,200	33,379	54,866	0	20,600	66,500	285,545	218,000	503,545	29,700	13.6%	59.0%
Weekly Total		717,800	268,441	440,028	0	158,410	472,700	2,057,379	1,789,100	3,846,479	240,200		
Daily Avg's		102,543	38,349	62,861	0	22,630	67,529	293,911	255,586	549,497	34,314	13.4%	64.3%
Weekly Max's		129,300	42,805	70,200	0	30,300	82,600	350,165	388,200	650,994	51,600	14.2%	76.2%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	293,911	221,271	255,586	549,497	27,027,513

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	10/9	4.38	3.04	1.25
Tue	10/10	4.42	3.18	
Wed	10/11	4.38	3.10	0.15
Thu	10/12	4.50	3.74	1.00
Fri	10/13	4.50	3.68	0.03
Sat	10/14	4.50	3.60	0.10
Sun	10/15	4.55	3.60	
Weekly Total				2.53

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **105.75**

Based on Current Daily Average WTP Production Using Jefferies **122.15**

Based on Current (Permitted) Maximum Reservoir Safe Yield **90.09**

Bulk Water Usage	
Date	
10/9	
10/10	
10/11	
10/12	
10/13	
10/14	
10/15	
Total	0

Exceeds safe yield or permitted capacity