

Town of Purcellville
Weekly Water Demand Report
 08/31/2015- 09/06/2015

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	8/31	86,900	34,911	63,080	0	31,100	94,400	310,391	274,900	585,291	21,500	7.8%	69.4%
Tue	9/1	90,600	28,313	50,983	0	32,700	76,400	278,996	284,300	563,296	26,600	9.4%	66.8%
Wed	9/2	91,800	31,828	57,720	0	27,300	61,500	270,148	267,000	537,148	26,800	10.0%	63.7%
Thu	9/3	84,600	29,476	53,097	0	33,500	52,200	252,873	280,900	533,773	26,600	9.5%	63.3%
Fri	9/4	94,200	35,535	64,533	0	37,700	81,500	313,468	289,200	602,668	33,800	11.7%	71.5%
Sat	9/5	98,600	37,102	67,343	0	0	65,400	268,445	211,700	480,145	19,300	9.1%	57.0%
Sun	9/6	90,000	33,212	60,776	0	0	75,600	259,588	206,600	466,188	21,300	10.3%	55.3%
Weekly Total		636,700	230,377	417,532	0	162,300	507,000	1,953,909	1,814,600	3,768,509	175,900		
Daily Avg's		90,957	32,911	59,647	0	23,186	72,429	279,130	259,229	538,358	25,129	9.7%	63.9%
Weekly Max's		98,600	37,102	67,343	0	37,700	94,400	313,468	289,200	602,668	33,800	11.7%	71.5%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	279,130	234,100	259,229	538,358	28,722,355

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	8/31	4.09	4.20	
Tue	9/1	4.02	4.28	
Wed	9/2	4.90	4.28	
Thu	9/3	4.90	4.30	0.06
Fri	9/4	5.00	4.30	
Sat	9/5	5.00	4.30	0.20
Sun	9/6	4.90	4.30	
Weekly Total				0.26

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **110.80**

Based on Current Daily Average WTP Production Using Jefferies **122.69**

Based on Current (Permitted) Maximum Reservoir Safe Yield **95.74**

Unusual Usage	
Date	
8/31	
9/1	
9/2	
9/3	5,000 Fire Dept.
9/4	
9/5	
9/6	
Total	5,000