

Town of Purcellville
Weekly Water Demand Report
 09/05/2016 - 09/11/2016

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	9/5	95,200	37,207	68,297	0	0	94,400	295,104	276,400	571,504	45,200	16.4%	67.8%
Tue	9/6	121,600	40,093	58,465	0	30,300	55,000	305,458	310,200	615,658	50,400	16.2%	73.0%
Wed	9/7	75,200	25,072	60,419	0	27,800	54,800	243,291	281,000	524,291	49,600	17.7%	62.2%
Thu	9/8	91,600	32,092	59,928	0	40,500	54,800	278,920	291,600	570,520	49,300	16.9%	67.7%
Fri	9/9	97,900	36,711	67,287	0	37,800	61,300	300,998	298,300	599,298	50,000	16.8%	71.1%
Sat	9/10	98,000	36,702	67,172	0	0	79,800	281,674	232,500	514,174	38,900	16.7%	61.0%
Sun	9/11	93,200	33,833	62,868	0	22,000	78,300	290,201	250,400	540,601	41,500	16.6%	64.1%
Weekly Total		672,700	241,710	444,436	0	158,400	478,400	1,995,646	1,940,400	3,936,046	324,900		
Daily Avg's		96,100	34,530	63,491	0	22,629	68,343	285,092	277,200	562,292	46,414	16.7%	66.7%
Weekly Max's		121,600	40,093	68,297	0	40,500	94,400	305,458	310,200	615,658	50,400	17.7%	73.0%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	285,092	230,786	277,200	562,292	23,869,698

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	9/5	4.36	2.68	
Tue	9/6	NM	NM	
Wed	9/7	4.20	2.52	0.07
Thu	9/8	4.10	2.50	0.12
Fri	9/9	4.00	2.45	
Sat	9/10	3.98	2.40	
Sun	9/11	3.90	2.36	
Weekly Total				0.19

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	86.11
Based on Current Daily Average WTP Production Using Jefferies	103.43
Based on Current (Permitted) Maximum Reservoir Safe Yield	79.57

Bulk Water Usage	
Date	
9/5	
9/6	
9/7	8,000 Bulk Water Sales
9/8	4,900 Bulk Water Sales
9/9	
9/10	
9/11	
Total	12,900

Notes:

Exceeds safe yield or permitted capacity