

Town of Purcellville  
**Weekly Water Demand Report**  
 07/18/2016 - 07/24/2016

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	7/18	101,700	33,240	59,230	0	26,400	84,000	304,570	261,100	565,670	46,400	17.8%	67.1%
Tue	7/19	113,300	34,832	61,677	0	29,500	85,800	325,109	232,100	557,209	37,500	16.2%	66.1%
Wed	7/20	100,600	33,037	58,385	0	33,600	82,300	307,922	254,700	562,622	40,500	15.9%	66.7%
Thu	7/21	112,100	34,578	61,262	0	23,900	83,000	314,840	221,900	536,740	33,700	15.2%	63.7%
Fri	7/22	108,300	41,532	74,030	0	29,000	85,500	338,362	277,300	615,662	41,300	14.9%	73.0%
Sat	7/23	104,200	38,005	67,779	0	34,400	71,600	315,984	206,900	522,884	30,400	14.7%	62.0%
Sun	7/24	106,100	31,870	56,913	0	0	89,100	283,983	250,400	534,383	36,000	14.4%	63.4%
<b>Weekly Total</b>		<b>746,300</b>	<b>247,094</b>	<b>439,276</b>	<b>0</b>	<b>176,800</b>	<b>581,300</b>	<b>2,190,770</b>	<b>1,704,400</b>	<b>3,895,170</b>	<b>265,800</b>		
Daily Avg's		106,614	35,299	62,754	0	25,257	83,043	312,967	243,486	556,453	37,971	15.6%	66.0%
Weekly Max's		113,300	41,532	74,030	0	34,400	89,100	338,362	277,300	615,662	46,400	17.8%	73.0%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	312,967	205,514	243,486	556,453	29,028,913

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)	Days of Water Storage in Reservoir		Bulk Water Usage		
Mon	7/18	5.10	4.38		Based on Current Daily Average WTP Production	119.22	7/18	21,400	Bulk Water Sales
Tue	7/19	5.12	4.50	0.38			7/19	9,400	Bulk Water Sales
Wed	7/20	5.10	4.58		Based on Current Daily Average WTP Production Using Jefferies	141.25	7/20	20,200	Bulk Water Sales
Thu	7/21	5.06	4.60				7/21	23,200	Bulk Water Sales
Fri	7/22	5.00	4.60		Based on Current (Permitted) Maximum Reservoir Safe Yield	96.76	7/22	5,000	Bulk Water Sales
Sat	7/23	4.90	4.65				7/23		
Sun	7/24	4.87	4.65				7/24		
Weekly Total				0.38			Total	79,200	

**Notes:** Conducted flushing on Country Club Drive, Bolingbrook Court, and H Street (used approximately 5,000 gallons 7/20 through 7/21)

Exceeds safe yield or permitted capacity