

Town of Purcellville  
**Weekly Water Demand Report**  
 08/15/2016 - 08/21/2016

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	8/15	97,100	32,784	59,067	0	31,400	66,000	286,351	223,000	509,351	40,600	18.2%	60.4%
Tue	8/16	102,100	33,540	60,940	0	28,100	73,200	297,880	244,000	541,880	45,000	18.4%	64.3%
Wed	8/17	96,400	32,532	59,216	0	21,200	76,600	285,948	238,200	524,148	42,800	18.0%	62.2%
Thu	8/18	101,700	32,878	59,500	0	31,700	73,400	299,178	189,700	488,878	36,500	19.2%	58.0%
Fri	8/19	100,500	37,585	68,417	0	0	74,500	281,002	199,300	480,302	36,500	18.3%	57.0%
Sat	8/20	96,300	36,791	66,864	0	0	68,900	268,855	220,800	489,655	41,400	18.8%	58.1%
Sun	8/21	101,500	38,937	71,112	0	0	71,900	283,449	227,700	511,149	39,800	17.5%	60.6%
<b>Weekly Total</b>		<b>695,600</b>	<b>245,047</b>	<b>445,116</b>	<b>0</b>	<b>112,400</b>	<b>504,500</b>	<b>2,002,663</b>	<b>1,542,700</b>	<b>3,545,363</b>	<b>282,600</b>		
Daily Avg's		99,371	35,007	63,588	0	16,057	72,071	286,095	220,386	506,480	40,371	18.3%	60.1%
Weekly Max's		102,100	38,937	71,112	0	31,700	76,600	299,178	244,000	541,880	45,000	19.2%	64.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	286,095	180,014	220,386	506,480	28,953,142

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	8/15	4.80	4.20	0.52
Tue	8/16	4.84	4.10	0.38
Wed	8/17	4.88	4.60	1.00
Thu	8/18	4.90	4.76	0.64
Fri	8/19	4.90	4.72	
Sat	8/20	4.90	4.63	
Sun	8/21	4.88	4.56	
<b>Weekly Total</b>				<b>2.54</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **131.37**

Based on Current Daily Average WTP Production Using Jefferies **160.84**

Based on Current (Permitted) Maximum Reservoir Safe Yield **96.51**

Bulk Water Usage	
Date	
8/15	4,600 Bulk Water Sales
8/16	6,500 Bulk Water Sales
8/17	4,600 Bulk Water Sales
8/18	
8/19	
8/20	
8/21	
Total	15,700

**Notes:**

Exceeds safe yield or permitted capacity