

Town of Purcellville  
**Weekly Water Demand Report**  
 09/11/2017- 09/17/2017

**Notes:** Contractor used approximately 48,000 gallons for Maple Avenue project on 9/12/2017 through 9/13/2017.

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	9/11	109,200	33,122	54,629	0	21,400	52,700	271,051	298,300	569,351	0	0.0%	66.7%
Tue	9/12	102,600	35,873	58,986	0	30,400	52,700	280,559	288,500	569,059	0	0.0%	66.6%
Wed	9/13	119,900	35,163	61,377	0	20,800	70,100	307,340	304,100	611,440	0	0.0%	71.6%
Thu	9/14	110,600	37,365	61,272	0	30,700	52,500	292,437	224,700	517,137	0	0.0%	60.6%
Fri	9/15	120,500	40,118	66,354	0	26,300	85,000	338,272	293,400	631,672	0	0.0%	74.0%
Sat	9/16	105,500	38,254	63,032	0	23,100	52,200	282,086	225,900	507,986	0	0.0%	59.5%
Sun	9/17	114,200	38,855	64,251	0	26,000	69,800	313,106	231,200	544,306	0	0.0%	63.7%
<b>Weekly Total</b>		<b>782,500</b>	<b>258,750</b>	<b>429,901</b>	<b>0</b>	<b>178,700</b>	<b>435,000</b>	<b>2,084,851</b>	<b>1,866,100</b>	<b>3,950,951</b>	<b>0</b>		
Daily Avg's		111,786	36,964	61,414	0	25,529	62,143	297,836	266,586	564,422	0	0.0%	66.1%
Weekly Max's		120,500	40,118	66,354	0	30,700	85,000	338,272	304,100	631,672	0	0.0%	74.0%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	297,836	266,586	266,586	564,422	28,860,942

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	9/11	4.90	4.57	
Tue	9/12	5.00	4.30	
Wed	9/13	5.00	4.30	0.02
Thu	9/14	5.00	4.30	0.03
Fri	9/15	5.00	4.10	0.01
Sat	9/16	5.00	4.20	
Sun	9/17	5.00	4.18	
<b>Weekly Total</b>		■ ■ ■ ■	■ ■ ■ ■	<b>0.06</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **108.26**

Based on Current Daily Average WTP Production Using Jefferies **108.26**

Based on Current (Permitted) Maximum Reservoir Safe Yield **96.20**

**Bulk Water Usage**

Date	
9/11	
9/12	
9/13	
9/14	
9/15	
9/16	
9/17	
Total	0 ■ ■ ■ ■ ■ ■ ■ ■

Exceeds safe yield or permitted capacity