

Town of Purcellville
Weekly Water Demand Report
 07/17/2017- 07/23/2017

Notes:

Water line break on Maple Avenue on Friday, July 21, 2017. Repaired on the same day.

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	7/17	119,000	38,383	58,925	0	29,400	69,000	314,708	313,000	627,708	0	0.0%	73.5%
Tue	7/18	116,700	38,483	58,875	0	19,300	53,300	286,658	247,400	534,058	0	0.0%	62.5%
Wed	7/19	114,200	37,839	57,628	0	26,200	53,200	289,067	292,300	581,367	0	0.0%	68.1%
Thu	7/20	119,600	36,812	56,219	0	24,200	66,400	303,231	297,500	600,731	0	0.0%	70.3%
Fri	7/21	121,200	44,904	68,565	0	28,800	86,000	349,469	340,800	690,269	0	0.0%	80.8%
Sat	7/22	113,400	42,162	64,052	0	25,200	52,500	297,314	234,700	532,014	0	0.0%	62.3%
Sun	7/23	122,200	40,585	61,155	0	24,500	33,700	282,140	186,800	468,940	0	0.0%	54.9%
Weekly Total		826,300	279,168	425,419	0	177,600	414,100	2,122,587	1,912,500	4,035,087	0		
Daily Avg's		118,043	39,881	60,774	0	25,371	59,157	303,227	273,214	576,441	0	0.0%	67.5%
Weekly Max's		122,200	44,904	68,565	0	29,400	86,000	349,469	340,800	690,269	0	0.0%	80.8%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	303,227	273,214	273,214	576,441	30,809,153

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	7/17	5.28	5.14	
Tue	7/18	5.26	5.14	
Wed	7/19	5.24	5.14	
Thu	7/20	5.22	5.12	
Fri	7/21	5.20	5.12	
Sat	7/22	5.13	5.12	
Sun	7/23	5.30	5.20	1.14
Weekly Total				1.14

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **112.77**

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 Using Jefferies

Based on Current (Permitted) Maximum Reservoir Safe Yield **102.70**

Bulk Water Usage

Date	
7/17	17,500 Bulk Water Sales
7/18	200 Bulk Water Sales
7/19	
7/20	14,800 Bulk Water Sales
7/21	1,100 Bulk Water Sales
7/22	
7/23	
Total	33,600

 Exceeds safe yield or permitted capacity