

Town of Purcellville
Weekly Water Demand Report
 8/20/2018- 08/26/2018

Notes:

Main Street Well #1 out-of-service on 8/20/18 for pump replacement.

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	8/20	60,000	28,820	58,642	0	23,100	84,400	254,962	348,800	603,762	0	0.0%	70.7%
Tue	8/21	118,700	28,228	57,043	0	21,600	54,600	280,171	328,900	609,071	0	0.0%	71.3%
Wed	8/22	100,774	30,381	61,904	0	25,500	64,700	283,259	302,200	585,459	0	0.0%	68.6%
Thu	8/23	94,528	27,297	56,486	0	27,300	64,700	270,311	310,400	580,711	0	0.0%	68.0%
Fri	8/24	106,977	32,074	66,374	0	25,400	77,200	308,025	302,500	610,525	0	0.0%	71.5%
Sat	8/25	103,529	34,244	70,396	0	27,600	75,400	311,169	252,100	563,269	0	0.0%	66.0%
Sun	8/26	95,196	28,024	57,494	0	21,000	74,800	276,514	256,800	533,314	0	0.0%	62.4%
Weekly Total		679,704	209,068	428,339	0	171,500	495,800	1,984,411	2,101,700	4,086,111	0		
Daily Avg's		97,101	29,867	61,191	0	24,500	70,829	283,487	300,243	583,730	0	0.0%	68.4%
Weekly Max's		118,700	34,244	70,396	0	27,600	84,400	311,169	348,800	610,525	0	0.0%	71.5%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	283,487	300,243	300,243	583,730	30,500,698

Day	Date	Front Lake (5.6' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	8/20	5.52	5.00	
Tue	8/21	5.49	5.00	0.22
Wed	8/22	5.52	5.00	0.80
Thu	8/23	5.46	4.98	
Fri	8/24	5.58	4.76	
Sat	8/25	5.68	4.60	
Sun	8/26	5.74	4.60	
Weekly Total				1.02

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	101.59
Based on Current Daily Average WTP Production Using Jefferies	101.59
Based on Current (Permitted) Maximum Reservoir Safe Yield	101.67

Bulk Water Usage

Date	
8/20	
8/21	
8/22	
8/23	
8/24	
8/25	
8/26	
Total	0

Exceeds safe yield or permitted capacity