

Town of Purcellville
Weekly Water Demand Report
 10/10/2016 - 10/16/2016

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	10/10	124,000	32,385	62,610	0	19,900	68,500	307,395	216,100	523,495	34,400	15.9%	62.1%
Tue	10/11	0	32,272	62,019	0	28,200	83,500	205,991	329,100	535,091	52,700	16.0%	63.5%
Wed	10/12	109,900	35,013	67,581	0	22,700	84,100	319,294	279,200	598,494	45,100	16.2%	71.0%
Thu	10/13	103,600	32,096	63,773	0	25,200	82,500	307,169	244,800	551,969	38,900	15.9%	65.5%
Fri	10/14	105,100	37,130	70,278	0	25,500	81,800	319,808	261,900	581,708	41,400	15.8%	69.0%
Sat	10/15	116,100	36,949	71,926	0	26,300	70,800	322,075	177,900	499,975	28,900	16.2%	59.3%
Sun	10/16	92,700	28,968	57,494	0	20,300	69,700	269,162	208,100	477,262	32,400	15.6%	56.6%
Weekly Total		651,400	234,813	455,681	0	168,100	540,900	2,050,894	1,717,100	3,767,994	273,800		
Daily Avg's		93,057	33,545	65,097	0	24,014	77,271	292,985	245,300	538,285	39,114	15.9%	63.9%
Weekly Max's		124,000	37,130	71,926	0	28,200	84,100	322,075	329,100	598,494	52,700	16.2%	71.0%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	292,985	206,186	245,300	538,285	22,459,800

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	10/10	4.10	1.40	
Tue	10/11	3.99	1.40	
Wed	10/12	3.90	1.40	
Thu	10/13	3.80	1.40	
Fri	10/14	3.78	1.42	
Sat	10/15	3.70	1.45	
Sun	10/16	3.60	1.45	
Weekly Total				0.00

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production		91.56
Based on Current Daily Average WTP Production Using Jefferies		108.93
Based on Current (Permitted) Maximum Reservoir Safe Yield		74.87

Bulk Water Usage

Date	
10/10	
10/11	
10/12	
10/13	
10/14	
10/15	
10/16	
Total	0

Notes: The Main Street Well Complex was off-line on October 11, 2016 for carbon change out activities.

Exceeds safe yield or permitted capacity