

Town of Purcellville
Weekly Water Demand Report
 10/24/2016 - 10/30/2016

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	10/24	103,900	37,019	72,093	17,600	33,600	80,000	344,212	266,000	610,212	47,500	17.9%	68.3%
Tue	10/25	100,700	30,284	58,901	43,200	21,300	81,200	335,585	179,200	514,785	34,300	19.1%	57.6%
Wed	10/26	58,000	28,605	56,994	29,800	28,100	79,800	281,299	216,500	497,799	38,700	17.9%	55.7%
Thu	10/27	82,100	33,027	64,758	34,800	26,800	80,400	321,885	190,000	511,885	34,500	18.2%	57.3%
Fri	10/28	82,500	36,767	71,954	27,700	22,200	79,700	320,821	210,300	531,121	36,600	17.4%	59.4%
Sat	10/29	84,100	36,576	71,421	34,500	27,400	73,100	327,097	172,400	499,497	31,600	18.3%	55.9%
Sun	10/30	69,700	31,594	62,110	31,500	19,800	73,700	288,404	184,000	472,404	34,400	18.7%	52.8%
Weekly Total		581,000	233,872	458,231	219,100	179,200	547,900	2,219,303	1,418,400	3,637,703	257,600		
Daily Avg's		83,000	33,410	65,462	31,300	25,600	78,271	317,043	202,629	519,672	36,800	18.2%	58.1%
Weekly Max's		103,900	37,019	72,093	43,200	33,600	81,200	344,212	266,000	610,212	47,500	19.1%	68.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	317,043	165,829	202,629	519,672	20,002,024

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	10/24	3.00	1.46	
Tue	10/25	3.00	1.44	
Wed	10/26	2.80	1.44	
Thu	10/27	2.75	1.45	
Fri	10/28	2.70	1.48	0.08
Sat	10/29	2.70	1.50	
Sun	10/30	2.60	1.50	
Weekly Total				0.08

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production		98.71
Based on Current Daily Average WTP Production Using Jefferies		120.62
Based on Current (Permitted) Maximum Reservoir Safe Yield		66.67

Bulk Water Usage	
Date	
10/24	
10/25	
10/26	
10/27	
10/28	
10/29	
10/30	
Total	0

Notes:

Exceeds safe yield or permitted capacity