

Town of Purcellville
Weekly Water Demand Report
 06/20/2016 - 06/26/2016

Notes:

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	6/20	113,600	33,692	58,694	0	24,600	74,600	305,186	321,000	626,186	0	0.0%	74.3%
Tue	6/21	113,600	35,067	61,472	0	18,300	53,800	282,239	251,200	533,439	0	0.0%	63.3%
Wed	6/22	116,100	34,811	60,965	0	14,600	57,200	283,676	243,600	527,276	0	0.0%	62.5%
Thu	6/23	118,900	35,757	62,531	0	32,200	54,800	304,188	180,000	484,188	0	0.0%	57.4%
Fri	6/24	111,800	35,672	62,875	0	35,300	84,200	329,847	290,800	620,647	0	0.0%	73.6%
Sat	6/25	122,100	41,626	72,621	0	0	80,700	317,047	174,300	491,347	0	0.0%	58.3%
Sun	6/26	114,500	36,946	64,404	0	0	43,700	259,550	244,600	504,150	0	0.0%	59.8%
Weekly Total		810,600	253,571	443,562	0	125,000	449,000	2,081,733	1,705,500	3,787,233	0	0.0%	
Daily Avg's		115,800	36,224	63,366	0	17,857	64,143	297,390	243,643	541,033	0	0.0%	64.2%
Weekly Max's		122,100	41,626	72,621	0	35,300	84,200	329,847	321,000	626,186	0	0.0%	74.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	297,390	243,643	243,643	541,033	29,300,486

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	6/20	5.08	5.10	
Tue	6/21	5.00	5.10	
Wed	6/22	4.90	5.18	1.69
Thu	6/23	5.00	5.20	0.44
Fri	6/24	4.90	5.20	
Sat	6/25	4.77	5.15	0.01
Sun	6/26	4.78	5.10	
Weekly Total		▪	▪	2.14

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **120.26**

Based on Current Daily Average WTP Production Using Jefferies **120.26**

Based on Current (Permitted) Maximum Reservoir Safe Yield **97.67**

Unusual Usage		
Date		
6/20	24,600	Bulk Water Sales
6/21	5,900	Bulk Water Sales
6/22	34,400	Bulk Water Sales
6/23	3,800	Bulk Water Sales
6/24	29,500	Bulk Water Sales
6/25		
6/26		
Total	98,200	▪ ▪ ▪ ▪

Exceeds safe yield or permitted capacity