

Town of Purcellville
Weekly Water Demand Report
 1/22/2018- 1/28/2018

Notes:

The Jefferies Well was turned off on 1/23/2018 due to low water level.

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	1/22	126,600	30,749	55,116	0	23,400	69,000	304,865	391,900	696,765	38,400	9.8%	81.6%
Tue	1/23	130,400	30,769	53,709	0	23,600	75,300	313,778	337,100	650,878	15,300	4.5%	76.2%
Wed	1/24	129,600	30,292	51,691	0	31,400	71,800	314,783	311,800	626,583		0.0%	73.4%
Thu	1/25	125,000	27,804	42,910	0	14,000	75,800	285,514	292,600	578,114		0.0%	67.7%
Fri	1/26	127,200	35,506	58,232	0	26,200	62,300	309,438	370,000	679,438		0.0%	79.6%
Sat	1/27	117,700	34,990	57,720	0	19,800	80,600	310,810	278,200	589,010		0.0%	69.0%
Sun	1/28	120,400	31,253	52,905	0	23,100	62,200	289,858	265,700	555,558		0.0%	65.1%
Weekly Total		876,900	221,363	372,283	0	161,500	497,000	2,129,046	2,247,300	4,376,346	53,700		
Daily Avg's		125,271	31,623	53,183	0	23,071	71,000	304,149	321,043	625,192	7,671	2.4%	73.2%
Weekly Max's		130,400	35,506	58,232	0	31,400	80,600	314,783	391,900	696,765	38,400	9.8%	81.6%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	304,149	313,371	321,043	625,192	29,776,550

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)	Days of Water Storage in Reservoir		Bulk Water Usage	
Mon	1/22				Based on Current Daily Average WTP Production	92.75	1/22	
Tue	1/23			0.65				
Wed	1/24			0.12	Based on Current (Permitted) Maximum Reservoir Safe Yield	99.26	1/24	
Thu	1/25							
Fri	1/26				99.26	1/26		
Sat	1/27							99.26
Sun	1/28	5.00	5.00	0.17	99.26	1/28		
Weekly Total				0.94				99.26

Exceeds safe yield or permitted capacity

Notes:
 Reservoir level measurements reported in red italics are estimates. The gauges were damaged by ice.