

Town of Purcellville
Weekly Water Demand Report
 03/20/2017- 03/26/2017

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	3/20	110,100	29,383	54,348	0	23,300	72,600	289,731	269,800	559,531	51,800	19.2%	65.5%
Tue	3/21	103,700	32,006	58,207	0	25,900	61,700	281,513	250,000	531,513	47,200	18.9%	62.2%
Wed	3/22	112,000	31,319	58,779	0	24,700	56,700	283,498	198,200	481,698	37,500	18.9%	56.4%
Thu	3/23	104,400	32,166	58,976	0	27,000	51,400	273,942	259,600	533,542	51,600	19.9%	62.5%
Fri	3/24	114,600	38,984	70,669	0	32,300	51,500	308,053	258,100	566,153	48,500	18.8%	66.3%
Sat	3/25	112,700	37,139	66,867	0	27,500	51,500	295,706	198,800	494,506	38,900	19.6%	57.9%
Sun	3/26	100,500	31,393	57,264	0	19,200	64,900	273,257	203,000	476,257	40,100	19.8%	55.8%
Weekly Total		758,000	232,390	425,110	0	179,900	410,300	2,005,700	1,637,500	3,643,200	315,600		
Daily Avg's		108,286	33,199	60,730	0	25,700	58,614	286,529	233,929	520,457	45,086	19.3%	60.9%
Weekly Max's		114,600	38,984	70,669	0	32,300	72,600	308,053	269,800	566,153	51,800	19.9%	66.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	286,529	188,843	233,929	520,457	30,963,370

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	3/20	5.36	5.24	
Tue	3/21	5.30	5.24	0.02
Wed	3/22	5.32	5.24	
Thu	3/23	5.36	5.20	
Fri	3/24	5.34	5.22	0.24
Sat	3/25	5.36	5.20	0.10
Sun	3/26	5.40	5.10	
Weekly Total				0.36

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **132.36**

Based on Current Daily Average WTP Production Using Jefferies **163.96**

Based on Current (Permitted) Maximum Reservoir Safe Yield **103.21**

Bulk Water Usage	
Date	
3/20	
3/21	
3/22	
3/23	
3/24	
3/25	
3/26	
Total	0

Exceeds safe yield or permitted capacity