

Town of Purcellville
Weekly Water Demand Report
 1/23/2017 - 01/29/2017

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	1/23	102,200	37,152	61,514	0	29,500	80,300	310,666	239,700	550,366	45,900	19.1%	64.4%
Tue	1/24	106,700	38,677	63,607	0	27,500	81,400	317,884	179,000	496,884	34,400	19.2%	58.2%
Wed	1/25	108,600	38,070	62,581	0	38,200	80,200	327,651	192,100	519,751	38,700	20.1%	60.9%
Thu	1/26	107,600	38,721	65,016	0	24,700	80,200	316,237	173,700	489,937	36,300	20.9%	57.4%
Fri	1/27	115,900	38,188	63,467	0	32,600	80,000	330,155	174,000	504,155	36,000	20.7%	59.0%
Sat	1/28	124,400	45,974	75,927	0	34,500	64,300	345,101	184,200	529,301	38,600	21.0%	62.0%
Sun	1/29	83,000	30,213	50,362	0	25,100	60,400	249,075	193,700	442,775	41,400	21.4%	51.8%
Weekly Total		748,400	266,995	442,474	0	212,100	526,800	2,196,769	1,336,400	3,533,169	271,300		
Daily Avg's		106,914	38,142	63,211	0	30,300	75,257	313,824	190,914	504,738	38,757	20.3%	59.1%
Weekly Max's		124,400	45,974	75,927	0	38,200	81,400	345,101	239,700	550,366	45,900	21.4%	64.4%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	313,824	152,157	190,914	504,738	30,256,353

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)	Days of Water Storage in Reservoir		Bulk Water Usage		
Mon	1/23	3.00	0.70	0.30	Based on Current Daily Average WTP Production	158.48	Date	1/23	
Tue	1/24	4.00	1.70	1.15				1/24	
Wed	1/25	4.66	1.90		Based on Current Daily Average WTP Production Using Jefferies	198.85	1/25		
Thu	1/26	4.90	2.80				1/26		
Fri	1/27	5.18	3.36				1/27		
Sat	1/28	5.30	3.90				1/28		
Sun	1/29	5.48	4.28		Based on Current (Permitted) Maximum Reservoir Safe Yield	100.85	1/29		
Weekly Total				1.45			Total	0	

Notes:

Exceeds safe yield or permitted capacity