

Town of Purcellville
Weekly Water Demand Report
 08/14/2017- 08/20/2017

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	8/14	120,200	35,947	57,643	0	26,100	70,200	310,090	304,100	614,190	0	0.0%	71.9%
Tue	8/15	116,500	38,066	61,039	0	25,900	71,900	313,405	289,600	603,005	0	0.0%	70.6%
Wed	8/16	121,500	38,328	61,190	0	25,600	52,500	299,118	292,300	591,418	0	0.0%	69.3%
Thu	8/17	109,800	34,342	54,703	0	30,400	52,700	281,945	290,300	572,245	0	0.0%	67.0%
Fri	8/18	129,100	44,192	70,819	0	31,000	65,700	340,811	265,700	606,511	0	0.0%	71.0%
Sat	8/19	122,200	43,709	69,901	0	26,800	50,800	313,410	232,100	545,510	0	0.0%	63.9%
Sun	8/20	114,600	37,235	59,583	0	18,400	72,700	302,518	232,900	535,418	0	0.0%	62.7%
Weekly Total		833,900	271,819	434,878	0	184,200	436,500	2,161,297	1,907,000	4,068,297	0		
Daily Avg's		119,129	38,831	62,125	0	26,314	62,357	308,757	272,429	581,185	0	0.0%	68.1%
Weekly Max's		129,100	44,192	70,819	0	31,000	72,700	340,811	304,100	614,190	0	0.0%	71.9%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	308,757	272,429	272,429	581,185	29,662,559

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	8/14	5.26	5.04	
Tue	8/15	5.22	5.04	0.13
Wed	8/16	5.20	5.04	0.04
Thu	8/17	5.18	5.02	
Fri	8/18	5.18	5.00	
Sat	8/19	5.10	5.00	
Sun	8/20	5.00	4.90	
Weekly Total				0.17

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **108.88**

Based on Current Daily Average WTP Production Using Jefferies **108.88**

Based on Current (Permitted) Maximum Reservoir Safe Yield **98.88**

Bulk Water Usage

Date	
8/14	
8/15	400 Bulk Water Sales
8/16	
8/17	20,300 Bulk Water Sales
8/18	
8/19	
8/20	
Total	20,700

Exceeds safe yield or permitted capacity