

Town of Purcellville
Weekly Water Demand Report
 5/14/2018- 05/20/2018

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	5/14	111,700	28,828	56,488	0	20,200	86,400	303,616	307,200	610,816	0	0.0%	71.5%
Tue	5/15	134,900	32,051	60,756	0	18,000	74,400	320,107	295,000	615,107	0	0.0%	72.0%
Wed	5/16	120,500	27,458	52,593	0	19,600	65,100	285,251	272,200	557,451	0	0.0%	65.3%
Thu	5/17	131,200	33,393	63,715	0	17,200	54,400	299,908	266,800	566,708	0	0.0%	66.4%
Fri	5/18	130,200	35,755	68,681	0	28,400	54,900	317,936	225,800	543,736	0	0.0%	63.7%
Sat	5/19	128,600	35,333	67,730	0	6,000	48,000	285,663	209,200	494,863	0	0.0%	57.9%
Sun	5/20	121,500	31,323	60,141	0	8,600	60,500	282,064	220,100	502,164	0	0.0%	58.8%
Weekly Total		878,600	224,141	430,104	0	118,000	443,700	2,094,545	1,796,300	3,890,845	0		72.0%
Daily Avg's		125,514	32,020	61,443	0	16,857	63,386	299,221	256,614	555,835	0	0.0%	65.1%
Weekly Max's		134,900	35,755	68,681	0	28,400	86,400	320,107	307,200	615,107	0	0.0%	72.0%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	299,221	256,614	256,614	555,835	30,869,503

Day	Date	Front Lake (5.6' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	5/14	5.50	5.08	0.10
Tue	5/15	5.72	5.26	2.05
Wed	5/16	5.64	5.26	1.10
Thu	5/17	5.80	5.48	3.70
Fri	5/18	5.64	5.30	0.34
Sat	5/19	5.64	5.30	1.31
Sun	5/20	5.58	5.30	0.05
Weekly Total				8.65

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **120.30**

Based on Current Daily Average WTP Production Using Jefferies **120.30**

Based on Current (Permitted) Maximum Reservoir Safe Yield **102.90**

Bulk Water Usage	
Date	
5/14	
5/15	
5/16	
5/17	
5/18	
5/19	
5/20	
Total	0

Exceeds safe yield or permitted capacity