

Town of Purcellville
Weekly Water Demand Report
 12/19/2016 - 12/25/2016

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	12/19	107,000	38,795	62,436	0	29,500	87,200	324,931	222,300	547,231	53,100	23.9%	64.1%
Tue	12/20	111,100	39,721	62,504	0	35,500	87,600	336,425	240,000	576,425	50,500	21.0%	67.5%
Wed	12/21	102,600	39,732	62,182	0	19,800	87,400	311,714	239,500	551,214	50,000	20.9%	64.5%
Thu	12/22	93,820	49,100	76,164	0	30,800	90,200	340,084	241,300	581,384	50,000	20.7%	68.1%
Fri	12/23	106,680	30,702	48,022	0	26,600	79,700	291,704	210,400	502,104	41,900	19.9%	58.8%
Sat	12/24	106,800	41,026	63,876	0	25,800	77,100	314,602	200,600	515,202	36,800	18.3%	60.3%
Sun	12/25	113,400	39,727	61,349	0	26,700	73,800	314,976	160,000	474,976	32,200	20.1%	55.6%
Weekly Total		741,400	278,803	436,533	0	194,700	583,000	2,234,436	1,514,100	3,748,536	314,500		
Daily Avg's		105,914	39,829	62,362	0	27,814	83,286	319,205	216,300	535,505	44,929	20.8%	62.7%
Weekly Max's		113,400	49,100	76,164	0	35,500	90,200	340,084	241,300	581,384	53,100	23.9%	68.1%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	319,205	171,371	216,300	535,505	16,260,522

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	12/19	1.60	0.40	
Tue	12/20	1.60	0.40	
Wed	12/21	1.58	0.40	
Thu	12/22	1.54	0.36	
Fri	12/23	1.46	0.30	
Sat	12/24	1.44	0.32	0.50
Sun	12/25	1.40	0.42	0.01
Weekly Total				0.51

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	75.18
Based on Current Daily Average WTP Production Using Jefferies	94.88
Based on Current (Permitted) Maximum Reservoir Safe Yield	54.20

Bulk Water Usage	
Date	
12/19	
12/20	
12/21	
12/22	
12/23	
12/24	
12/25	
Total	0

Notes:

Exceeds safe yield or permitted capacity