

Town of Purcellville
Weekly Water Demand Report
 11/02/2015- 11/08/2015

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	11/2	107,700	31,234	60,929	0	35,500	67,300	302,663	212,500	515,163	22,500	10.6%	61.1%
Tue	11/3	93,200	29,362	55,831	0	36,100	51,400	265,893	196,200	462,093	17,400	8.9%	54.8%
Wed	11/4	91,400	31,057	59,029	0	33,900	66,900	282,286	235,400	517,686	26,000	11.0%	61.4%
Thu	11/5	114,300	31,643	60,183	0	35,000	67,700	308,826	235,500	544,326	26,300	11.2%	64.6%
Fri	11/6	104,600	35,750	69,410	0	38,500	71,600	319,860	286,000	605,860	31,100	10.9%	71.9%
Sat	11/7	101,900	35,768	69,265	0	0	58,700	265,633	178,400	444,033	21,300	11.9%	52.7%
Sun	11/8	87,600	27,656	54,023	0	35,500	62,900	267,679	191,500	459,179	15,300	8.0%	54.5%
Weekly Total		700,700	222,470	428,670	0	214,500	446,500	2,012,840	1,535,500	3,548,340	159,900		
Daily Avg's		100,100	31,781	61,239	0	30,643	63,786	287,549	219,357	506,906	22,843	10.4%	60.1%
Weekly Max's		114,300	35,768	69,410	0	38,500	71,600	319,860	286,000	605,860	31,100	11.9%	71.9%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	287,549	196,514	219,357	506,906	27,843,957

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	11/2	4.48	4.58	
Tue	11/3	4.46	4.60	
Wed	11/4	4.48	4.60	
Thu	11/5	4.48	4.50	
Fri	11/6	4.50	4.50	0.02
Sat	11/7	4.50	4.48	
Sun	11/8	4.50	4.48	
Weekly Total				0.02

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production	126.93
Based on Current Daily Average WTP Production Using Jefferies	141.69
Based on Current (Permitted) Maximum Reservoir Safe Yield	92.81

Unusual Usage	
Date	
11/2	
11/3	
11/4	
11/5	
11/6	40,000 Mayfair flushing*
11/7	
11/8	
Total	40,000

*approximate value