

Town of Purcellville
Weekly Water Demand Report
 03/21/2016 - 03/27/2016

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	3/21	100,200	33,355	65,516	0	39,500	76,600	315,171	225,100	540,271	0	0.0%	64.1%
Tue	3/22	94,900	34,958	57,128	0	35,400	63,800	286,186	195,000	481,186	0	0.0%	57.1%
Wed	3/23	101,200	38,326	62,676	0	35,100	62,500	299,802	191,200	491,002	0	0.0%	58.2%
Thu	3/24	99,500	35,134	57,418	0	25,700	71,600	289,352	189,000	478,352	0	0.0%	56.7%
Fri	3/25	74,500	28,690	68,728	0	36,600	99,500	308,018	248,000	556,018	0	0.0%	66.0%
Sat	3/26	106,000	41,807	68,015	0	30,600	86,700	333,122	173,000	506,122	0	0.0%	60.0%
Sun	3/27	87,700	36,018	59,021	0	29,700	84,000	296,439	180,400	476,839	0	0.0%	56.6%
Weekly Total		664,000	248,288	438,502	0	232,600	544,700	2,128,090	1,401,700	3,529,790	0		
Daily Avg's		94,857	35,470	62,643	0	33,229	77,814	304,013	200,243	504,256	0	0.0%	59.8%
Weekly Max's		106,000	41,807	68,728	0	39,500	99,500	333,122	248,000	556,018	0	0.0%	66.0%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	304,013	200,243	200,243	504,256	31,023,719

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	3/21	5.26	5.20	
Tue	3/22	5.28	5.20	
Wed	3/23	5.30	5.20	
Thu	3/24	5.38	5.20	
Fri	3/25	5.40	5.20	0.05
Sat	3/26	5.38	5.20	
Sun	3/27	5.38	5.20	
Weekly Total				0.05

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **154.93**

Based on Current Daily Average WTP Production Using Jefferies **154.93**

Based on Current (Permitted) Maximum Reservoir Safe Yield **103.41**

Unusual Usage	
Date	
3/21	40,000 Bulk Water Sales
3/22	24,500 Bulk Water Sales
3/23	11,200 Bulk Water Sales
3/24	
3/25	22,500 Bulk Water Sales
3/26	
3/27	
Total	98,200