

Town of Purcellville
Weekly Water Demand Report
 09/19/2016 - 09/25/2016

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	9/19	108,000	34,471	63,714	0	32,100	87,400	325,685	291,800	617,485	47,000	16.1%	73.2%
Tue	9/20	93,100	34,284	64,920	0	26,300	84,500	303,104	283,900	587,004	45,400	16.0%	69.6%
Wed	9/21	103,500	35,324	66,044	0	35,700	82,600	323,168	297,900	621,068	48,300	16.2%	73.7%
Thu	9/22	101,100	33,118	61,944	0	32,200	75,400	303,762	239,000	542,762	38,300	16.0%	64.4%
Fri	9/23	106,400	40,669	76,449	0	33,700	77,400	334,618	281,300	615,918	39,500	14.0%	73.1%
Sat	9/24	98,600	32,649	61,174	0	0	53,700	246,123	232,400	478,523	34,100	14.7%	56.8%
Sun	9/25	112,500	35,247	66,262	0	0	69,700	283,709	225,600	509,309	35,400	15.7%	60.4%
Weekly Total		723,200	245,762	460,507	0	160,000	530,700	2,120,169	1,851,900	3,972,069	288,000		
Daily Avg's		103,314	35,109	65,787	0	22,857	75,814	302,881	264,557	567,438	41,143	15.6%	67.3%
Weekly Max's		112,500	40,669	76,449	0	35,700	87,400	334,618	297,900	621,068	48,300	16.2%	73.7%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	302,881	223,414	264,557	567,438	20,167,771

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	9/19	3.20	1.64	0.25
Tue	9/20	3.10	1.68	0.07
Wed	9/21	3.00	1.70	
Thu	9/22	3.00	1.70	
Fri	9/23	2.90	1.60	
Sat	9/24	2.80	1.48	
Sun	9/25	2.70	1.40	
Weekly Total				0.32

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **76.23**

Based on Current Daily Average WTP Production Using Jefferies **90.27**

Based on Current (Permitted) Maximum Reservoir Safe Yield **67.23**

Bulk Water Usage	
Date	
9/19	
9/20	
9/21	
9/22	
9/23	
9/24	
9/25	
Total	0

Notes:

Exceeds safe yield or permitted capacity