

Town of Purcellville
Weekly Water Demand Report
 11/14/2016 - 11/20/2016

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	11/14	103,900	39,820	60,454	33,600	22,800	78,200	338,774	207,400	546,174	41,300	19.9%	61.1%
Tue	11/15	106,600	40,754	62,395	36,600	23,100	80,000	349,449	143,000	492,449	29,800	20.8%	55.1%
Wed	11/16	102,000	39,580	60,942	33,100	23,500	80,900	340,022	176,300	516,322	38,800	22.0%	57.8%
Thu	11/17	107,500	41,466	62,964	35,200	22,600	70,600	340,330	142,500	482,830	28,000	19.6%	54.0%
Fri	11/18	111,800	42,232	65,908	37,900	25,400	80,200	363,440	209,700	573,140	43,300	20.6%	64.1%
Sat	11/19	101,500	40,243	62,223	30,000	20,600	75,800	330,366	121,900	452,266	27,300	22.4%	50.6%
Sun	11/20	110,700	37,366	57,954	33,800	22,000	75,200	337,020	135,900	472,920	29,700	21.9%	52.9%
Weekly Total		744,000	281,461	432,840	240,200	160,000	540,900	2,399,401	1,136,700	3,536,101	238,200		
Daily Avg's		106,286	40,209	61,834	34,314	22,857	77,271	342,772	162,386	505,157	34,029	21.0%	56.5%
Weekly Max's		111,800	42,232	65,908	37,900	25,400	80,900	363,440	209,700	573,140	43,300	22.4%	64.1%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	342,772	128,357	162,386	505,157	17,268,206

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)	Days of Water Storage in Reservoir	Date	Bulk Water Usage
Mon	11/14	2.25	0.70		Based on Current Daily Average WTP Production	11/14	
Tue	11/15	2.00	0.79	0.10		11/15	
Wed	11/16	2.00	0.86		Based on Current Daily Average WTP Production Using Jefferies	11/16	
Thu	11/17	1.80	0.90			11/17	
Fri	11/18	1.85	0.96		Based on Current (Permitted) Maximum Reservoir Safe Yield	11/18	
Sat	11/19	1.75	0.95			11/19	
Sun	11/20	1.65	0.95	0.05		11/20	
Weekly Total				0.15		Total	0

Notes:

Exceeds safe yield or permitted capacity