

Town of Purcellville
Weekly Water Demand Report
 05/15/2017- 05/21/2017

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	5/15	121,600	33,266	65,691	0	35,200	76,400	332,157	285,100	617,257	0	0.0%	72.3%
Tue	5/16	112,700	32,175	63,420	0	33,900	71,900	314,095	284,700	598,795	0	0.0%	70.1%
Wed	5/17	115,900	32,224	63,256	0	27,000	51,900	290,280	305,600	595,880	0	0.0%	69.8%
Thu	5/18	116,900	30,757	63,372	0	35,700	52,000	298,729	314,100	612,829	0	0.0%	71.8%
Fri	5/19	110,000	34,686	68,631	0	29,000	58,500	300,817	290,000	590,817	0	0.0%	69.2%
Sat	5/20	115,900	34,360	67,779	0	33,700	17,700	269,439	206,900	476,339	0	0.0%	55.8%
Sun	5/21	115,200	32,191	63,742	0	33,700	29,800	274,633	217,300	491,933	0	0.0%	57.6%
Weekly Total		808,200	229,659	455,891	0	228,200	358,200	2,080,150	1,903,700	3,983,850	0		
Daily Avg's		115,457	32,808	65,127	0	32,600	51,171	297,164	271,957	569,121	0	0.0%	66.6%
Weekly Max's		121,600	34,686	68,631	0	35,700	76,400	332,157	314,100	617,257	0	0.0%	72.3%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	297,164	271,957	271,957	569,121	31,441,244

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	5/15	5.48	5.30	
Tue	5/16	5.48	5.24	
Wed	5/17	5.50	5.23	
Thu	5/18	5.46	5.25	
Fri	5/19	5.48	5.18	0.02
Sat	5/20	5.54	5.18	
Sun	5/21	5.56	5.14	
Weekly Total				0.02

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **115.61**

Based on Current Daily Average WTP Production Using Jefferies **115.61**

Based on Current (Permitted) Maximum Reservoir Safe Yield **104.80**

Bulk Water Usage		
Date		
5/15	27,500	Bulk Water Sales
5/16	48,900	Bulk Water Sales
5/17		
5/18	13,300	Bulk Water Sales
5/19		
5/20		
5/21		
Total	89,700	

Exceeds safe yield or permitted capacity