

Town of Purcellville
Weekly Water Demand Report
 04/11/2016 - 04/17/2016

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	4/11	95,200	37,298	61,580	0	43,900	91,400	329,378	263,800	593,178	0	0.0%	70.4%
Tue	4/12	100,200	37,026	60,921	0	25,400	62,700	286,247	326,600	612,847	0	0.0%	72.7%
Wed	4/13	106,800	37,753	61,983	0	22,400	58,500	287,436	255,800	543,236	0	0.0%	64.4%
Thu	4/14	105,200	35,500	58,398	0	30,800	82,600	312,498	270,000	582,498	0	0.0%	69.1%
Fri	4/15	108,400	41,768	69,043	0	39,100	87,700	346,011	255,700	601,711	0	0.0%	71.4%
Sat	4/16	109,500	43,287	71,324	0	39,400	68,600	332,111	227,200	559,311	0	0.0%	66.3%
Sun	4/17	94,600	35,350	58,384	0	36,600	83,900	308,834	357,300	666,134	0	0.0%	79.0%
Weekly Total		719,900	267,982	441,633	0	237,600	535,400	2,202,515	1,956,400	4,158,915	0	0.0%	
Daily Avg's		102,843	38,283	63,090	0	33,943	76,486	314,645	279,486	594,131	0	0.0%	70.5%
Weekly Max's		109,500	43,287	71,324	0	43,900	91,400	346,011	357,300	666,134	0	0.0%	79.0%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	314,645	279,486	279,486	594,131	30,656,943

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	4/11	5.32	5.12	0.08
Tue	4/12	5.30	5.12	0.06
Wed	4/13	5.30	5.10	
Thu	4/14	5.30	5.10	
Fri	4/15	5.30	5.10	
Sat	4/16	5.30	5.09	
Sun	4/17	5.29	5.09	
Weekly Total		▪	▪	0.14

Days of Water Storage in Reservoir

Based on Current Daily Average WTP Production **109.69**

Based on Current Daily Average WTP Production Using Jefferies **109.69**

Based on Current (Permitted) Maximum Reservoir Safe Yield **102.19**

Unusual Usage	
Date	
4/11	4,100 Bulk Water Sales
4/12	4,500 Bulk Water Sales
4/13	26,800 Bulk Water Sales
4/14	48,100 Bulk Water Sales
4/15	8,700 Bulk Water Sales
4/16	
4/17	126,800 Purcellville Green pool filling
Total	219,000