

Town of Purcellville  
**Weekly Water Demand Report**  
 06/13/2016 - 06/19/2016

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	6/13	120,800	36,227	62,976	0	36,200	83,500	339,703	367,300	707,003	0	0.0%	83.9%
Tue	6/14	110,700	33,894	58,765	0	27,400	84,200	314,959	352,000	666,959	0	0.0%	79.1%
Wed	6/15	117,000	35,203	61,161	0	26,200	65,600	305,164	287,000	592,164	0	0.0%	70.2%
Thu	6/16	112,000	31,455	55,014	0	35,600	63,900	297,969	299,000	596,969	0	0.0%	70.8%
Fri	6/17	113,600	36,441	63,413	0	24,200	51,300	288,954	231,200	520,154	0	0.0%	61.7%
Sat	6/18	133,200	46,611	81,381	0	25,400	127,000	413,592	204,700	618,292	0	0.0%	73.3%
Sun	6/19	107,500	32,295	56,298	0	0	40,600	236,693	166,200	402,893	0	0.0%	47.8%
<b>Weekly Total</b>		<b>814,800</b>	<b>252,126</b>	<b>439,008</b>	<b>0</b>	<b>175,000</b>	<b>516,100</b>	<b>2,197,034</b>	<b>1,907,400</b>	<b>4,104,434</b>	<b>0</b>	<b>0.0%</b>	<b>69.6%</b>
Daily Avg's		116,400	36,018	62,715	0	25,000	73,729	313,862	272,486	586,348	0	0.0%	69.6%
Weekly Max's		133,200	46,611	81,381	0	36,200	127,000	413,592	367,300	707,003	0	0.0%	83.9%

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
Daily Average Usages:	313,862	272,486	272,486	586,348	30,292,852

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	6/13	5.30	5.00	
Tue	6/14	5.30	5.00	
Wed	6/15	5.28	5.00	
Thu	6/16	5.30	5.10	0.33
Fri	6/17	5.34	5.14	2.00
Sat	6/18	5.20	5.10	
Sun	6/19	5.15	5.10	
<b>Weekly Total</b>		▪	▪	<b>2.33</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **111.17**

Based on Current Daily Average WTP Production Using Jefferies **111.17**

Based on Current (Permitted) Maximum Reservoir Safe Yield **100.98**

Unusual Usage	
Date	
6/13	38,700 Bulk Water Sales
6/14	13,000 Bulk Water Sales
6/15	27,100 Bulk Water Sales
6/16	35,100 Bulk Water Sales
6/17	19,800 Bulk Water Sales
6/18	
6/19	
Total	133,700

Exceeds safe yield or permitted capacity