

Town of Purcellville  
**Weekly Water Demand Report**  
 08/24/2015- 08/30/2015

**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	8/24	85,600	32,993	59,261	0	39,200	79,200	296,254	278,700	574,954	33,253	11.9%	68.2%
Tue	8/25	85,800	34,492	61,746	0	35,800	51,600	269,438	267,200	536,638	25,600	9.6%	63.7%
Wed	8/26	92,500	35,468	63,557	0	27,300	56,700	275,525	205,800	481,325	21,800	10.6%	57.1%
Thu	8/27	89,700	29,348	52,511	0	23,200	52,900	247,659	275,000	522,659	27,800	10.1%	62.0%
Fri	8/28	105,400	42,245	76,007	0	20,600	62,800	307,052	278,400	585,452	32,200	11.6%	69.4%
Sat	8/29	84,900	37,577	62,670	0	0	64,500	249,647	227,600	477,247	24,400	10.7%	56.6%
Sun	8/30	87,700	28,239	56,479	0	0	81,200	253,618	257,800	511,418	29,700	11.5%	60.7%
<b>Weekly Total</b>		<b>631,600</b>	<b>240,362</b>	<b>432,231</b>	<b>0</b>	<b>146,100</b>	<b>448,900</b>	<b>1,899,193</b>	<b>1,790,500</b>	<b>3,689,693</b>	<b>194,753</b>		
<b>Daily Avg's</b>		<b>90,229</b>	<b>34,337</b>	<b>61,747</b>	<b>0</b>	<b>20,871</b>	<b>64,129</b>	<b>271,313</b>	<b>255,786</b>	<b>527,099</b>	<b>27,822</b>	<b>10.9%</b>	<b>62.5%</b>
<b>Weekly Max's</b>		<b>105,400</b>	<b>42,245</b>	<b>76,007</b>	<b>0</b>	<b>39,200</b>	<b>81,200</b>	<b>307,052</b>	<b>278,700</b>	<b>585,452</b>	<b>33,253</b>	<b>11.9%</b>	<b>69.4%</b>

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
<b>Daily Average Usages:</b>	<b>271,313</b>	<b>227,964</b>	<b>255,786</b>	<b>527,099</b>	<b>26,383,096</b>

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	8/24	4.00	4.26	
Tue	8/25	4.20	4.68	0.32
Wed	8/26	4.25	4.40	
Thu	8/27	4.25	4.41	
Fri	8/28	4.35	4.00	
Sat	8/29	4.31	3.90	
Sun	8/30	4.22	3.80	
<b>Weekly Total</b>				<b>0.32</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production	<b>103.15</b>	8/24
Based on Current Daily Average WTP Production Using Jefferies	<b>115.73</b>	8/25
Based on Current (Permitted) Maximum Reservoir Safe Yield	<b>87.94</b>	8/26
		8/27
		8/28
		8/29
		8/30
		Total

**Unusual Usage**

Date		
8/24		
8/25		
8/26		
8/27		
8/28		
8/29		
8/30		
Total	0	