

Town of Purcellville  
**Weekly Water Demand Report**  
 02/22/2016- 02/28/2016

**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	2/22	81,100	28,049	62,261	0	45,200	92,800	309,410	269,200	578,610	0	0.0%	68.6%
Tue	2/23	51,500	7,969	50,595	0	45,500	88,100	243,664	252,000	495,664	0	0.0%	58.8%
Wed	2/24	95,600	18,256	46,681	0	33,100	61,000	254,637	238,700	493,337	0	0.0%	58.5%
Thu	2/25	94,100	33,706	56,770	0	35,700	61,400	281,676	266,200	547,876	0	0.0%	65.0%
Fri	2/26	105,700	40,320	66,985	0	36,100	76,100	325,205	273,400	598,605	0	0.0%	71.0%
Sat	2/27	97,700	41,697	68,526	0	0	57,900	265,823	202,800	468,623	0	0.0%	55.6%
Sun	2/28	88,900	35,389	58,581	0	0	78,400	261,270	203,300	464,570	0	0.0%	55.1%
<b>Weekly Total</b>		<b>614,600</b>	<b>205,386</b>	<b>410,399</b>	<b>0</b>	<b>195,600</b>	<b>515,700</b>	<b>1,941,685</b>	<b>1,705,600</b>	<b>3,647,285</b>	<b>0</b>		
<b>Daily Avg's</b>		<b>87,800</b>	<b>29,341</b>	<b>58,628</b>	<b>0</b>	<b>27,943</b>	<b>73,671</b>	<b>277,384</b>	<b>243,657</b>	<b>521,041</b>	<b>0</b>	<b>0.0%</b>	<b>61.8%</b>
<b>Weekly Max's</b>		<b>105,700</b>	<b>41,697</b>	<b>68,526</b>	<b>0</b>	<b>45,500</b>	<b>92,800</b>	<b>325,205</b>	<b>273,400</b>	<b>598,605</b>	<b>0</b>	<b>0.0%</b>	<b>71.0%</b>

	Wells	Reservoir ONLY	WTP Total	Wells + WTP	Gallons in Reservoir (As of Sunday)
<b>Daily Average Usages:</b>	<b>277,384</b>	<b>243,657</b>	<b>243,657</b>	<b>521,041</b>	<b>30,972,095</b>

Day	Date	Front Lake (5.3' = Full)	Back Lake (5.0' = Full)	Rainfall (Inches)
Mon	2/22	5.30	5.20	0.14
Tue	2/23	5.30	5.26	0.17
Wed	2/24	5.30	5.28	0.12
Thu	2/25	5.40	5.40	1.50
Fri	2/26	5.40	5.39	
Sat	2/27	5.30	5.39	
Sun	2/28	5.28	5.39	
<b>Weekly Total</b>				<b>1.93</b>

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **127.11**

Based on Current Daily Average WTP Production Using Jefferies **127.11**

Based on Current (Permitted) Maximum Reservoir Safe Yield **103.24**

<b>Unusual Usage</b>	
Date	
2/22	1,600 Bulk Water Sales
2/23	6,900 Bulk Water Sales
2/24	
2/25	6,900 Bulk Water Sales
2/26	10,000 Bulk Water Sales
2/27	
2/28	
<b>Total</b>	<b>25,400</b>