

Town of Purcellville  
**Weekly Water Demand Report**  
 12/21/2015- 12/27/2015

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                 | 12/21 | 106,200          | 26,989         | 61,249         | 0        | 24,300        | 47,600         | 266,338                | 235,100          | 501,438          | 0              | 0.0%               | 59.5%                |
| Tue                 | 12/22 | 95,900           | 25,240         | 58,899         | 0        | 28,000        | 52,100         | 260,139                | 259,800          | 519,939          | 0              | 0.0%               | 61.7%                |
| Wed                 | 12/23 | 86,900           | 25,759         | 59,547         | 0        | 20,500        | 51,600         | 244,306                | 205,000          | 449,306          | 0              | 0.0%               | 53.3%                |
| Thu                 | 12/24 | 105,400          | 35,706         | 67,272         | 0        | 0             | 70,100         | 278,478                | 199,400          | 477,878          | 0              | 0.0%               | 56.7%                |
| Fri                 | 12/25 | 101,700          | 26,043         | 65,736         | 0        | 0             | 50,400         | 243,879                | 178,500          | 422,379          | 0              | 0.0%               | 50.1%                |
| Sat                 | 12/26 | 98,100           | 36,975         | 65,055         | 0        | 0             | 74,600         | 274,730                | 213,700          | 488,430          | 0              | 0.0%               | 57.9%                |
| Sun                 | 12/27 | 110,700          | 39,432         | 71,097         | 0        | 0             | 63,900         | 285,129                | 199,300          | 484,429          | 0              | 0.0%               | 57.5%                |
| <b>Weekly Total</b> |       | <b>704,900</b>   | <b>216,144</b> | <b>448,855</b> | <b>0</b> | <b>72,800</b> | <b>410,300</b> | <b>1,852,999</b>       | <b>1,490,800</b> | <b>3,343,799</b> | <b>0</b>       |                    |                      |
| Daily Avg's         |       | 100,700          | 30,878         | 64,122         | 0        | 10,400        | 58,614         | 264,714                | 212,971          | 477,686          | 0              | 0.0%               | 56.7%                |
| Weekly Max's        |       | 110,700          | 39,432         | 71,097         | 0        | 28,000        | 74,600         | 285,129                | 259,800          | 519,939          | 0              | 0.0%               | 61.7%                |

|                       | Wells   | Reservoir ONLY | WTP Total | Wells + WTP | Gallons in Reservoir (As of Sunday) |
|-----------------------|---------|----------------|-----------|-------------|-------------------------------------|
| Daily Average Usages: | 264,714 | 212,971        | 212,971   | 477,686     | 31,196,043                          |

| Day                 | Date  | Front Lake (5.3' = Full) | Back Lake (5.0' = Full) | Rainfall (Inches) | Days of Water Storage in Reservoir                                   |  |
|---------------------|-------|--------------------------|-------------------------|-------------------|--|--|
| Mon                 | 12/21 | 5.28                     | 5.00                    |                   | Based on Current Daily Average WTP Production 146.48                 |  |
| Tue                 | 12/22 | 5.27                     | 5.10                    | 0.20              | Based on Current Daily Average WTP Production Using Jefferies 146.48 |  |
| Wed                 | 12/23 | 5.28                     | 5.10                    |                   | Based on Current (Permitted) Maximum Reservoir Safe Yield 103.99     |  |
| Thu                 | 12/24 | 5.34                     | 5.20                    | 0.62              |  |  |
| Fri                 | 12/25 | 5.32                     | 5.28                    | 0.04              |  |  |
| Sat                 | 12/26 | 5.46                     | 5.30                    | 1.32              |  |  |
| Sun                 | 12/27 | 5.44                     | 5.21                    | 0.03              |  |  |
| <b>Weekly Total</b> |       |                          |                         | <b>2.21</b>       |  |  |

| Unusual Usage |   |
|---------------|---|
| Date          |   |
| 12/21         |   |
| 12/22         |   |
| 12/23         |   |
| 12/24         |   |
| 12/25         |   |
| 12/26         |   |
| 12/27         |   |
| Total         | 0 |