

Town of Purcellville  
**Weekly Water Demand Report**  
 5/7/2018- 05/13/2018

**Notes:**

Approximately 30,000 to 40,000 gallons of leaked water reported from 5/11 through 5/13.

| 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                 | 5/7  | 140,500          | 33,255         | 63,900         | 0        | 22,200         | 88,600         | 348,455                | 337,900          | 686,355          | 0              | 0.0%               | 80.4%               |
| Tue                 | 5/8  | 129,900          | 31,326         | 60,186         | 0        | 26,500         | 80,700         | 328,612                | 310,200          | 638,812          | 0              | 0.0%               | 74.8%               |
| Wed                 | 5/9  | 140,100          | 33,642         | 64,610         | 0        | 27,000         | 72,400         | 337,752                | 287,500          | 625,252          | 0              | 0.0%               | 73.2%               |
| Thu                 | 5/10 | 137,900          | 32,608         | 62,696         | 0        | 29,000         | 85,800         | 348,004                | 302,700          | 650,704          | 0              | 0.0%               | 76.2%               |
| Fri                 | 5/11 | 143,400          | 36,521         | 70,559         | 0        | 27,900         | 88,400         | 366,780                | 293,700          | 660,480          | 0              | 0.0%               | 77.3%               |
| Sat                 | 5/12 | 137,200          | 34,894         | 67,208         | 0        | 22,900         | 87,300         | 349,502                | 260,300          | 609,802          | 0              | 0.0%               | 71.4%               |
| Sun                 | 5/13 | 131,200          | 32,618         | 62,840         | 0        | 21,900         | 86,900         | 335,458                | 271,600          | 607,058          | 0              | 0.0%               | 71.1%               |
| <b>Weekly Total</b> |      | <b>960,200</b>   | <b>234,864</b> | <b>451,999</b> | <b>0</b> | <b>177,400</b> | <b>590,100</b> | <b>2,414,563</b>       | <b>2,063,900</b> | <b>4,478,463</b> | <b>0</b>       |                    |                     |
| Daily Avg's         |      | 137,171          | 33,552         | 64,571         | 0        | 25,343         | 84,300         | 344,938                | 294,843          | 639,780          | 0              | 0.0%               | 74.9%               |
| Weekly Max's        |      | 143,400          | 36,521         | 70,559         | 0        | 29,000         | 88,600         | 366,780                | 337,900          | 686,355          | 0              | 0.0%               | 80.4%               |

|                       | Wells   | Reservoir ONLY | WTP Total | Wells + WTP | Gallons in Reservoir (As of Sunday) |
|-----------------------|---------|----------------|-----------|-------------|-------------------------------------|
| Daily Average Usages: | 344,938 | 294,843        | 294,843   | 639,780     | 30,795,737                          |

| Day                 | Date | Front Lake (5.6' = Full) | Back Lake (5.0' = Full) | Rainfall (Inches) |
|---------------------|------|--------------------------|-------------------------|-------------------|
| Mon                 | 5/7  | 5.78                     | 5.10                    | 0.30              |
| Tue                 | 5/8  | 5.76                     | 4.96                    |                   |
| Wed                 | 5/9  | 5.76                     | 4.90                    |                   |
| Thu                 | 5/10 | 5.76                     | 4.88                    |                   |
| Fri                 | 5/11 | 5.64                     | 5.08                    | 0.44              |
| Sat                 | 5/12 | 5.60                     | 4.64                    |                   |
| Sun                 | 5/13 | 5.68                     | 5.00                    | 0.41              |
| <b>Weekly Total</b> |      |                          |                         | <b>1.15</b>       |

**Days of Water Storage in Reservoir**

Based on Current Daily Average WTP Production **104.45**

Based on Current Daily Average WTP Production Using Jefferies **104.45**

Based on Current (Permitted) Maximum Reservoir Safe Yield **102.65**

**Bulk Water Usage**

| Date  |   |
|-------|---|
| 5/7   |   |
| 5/8   |   |
| 5/9   |   |
| 5/10  |   |
| 5/11  |   |
| 5/12  |   |
| 5/13  |   |
| Total | 0 |

Exceeds safe yield or permitted capacity