

Water Report for September 2014

Eagle Bend Metropolitan District No. 2

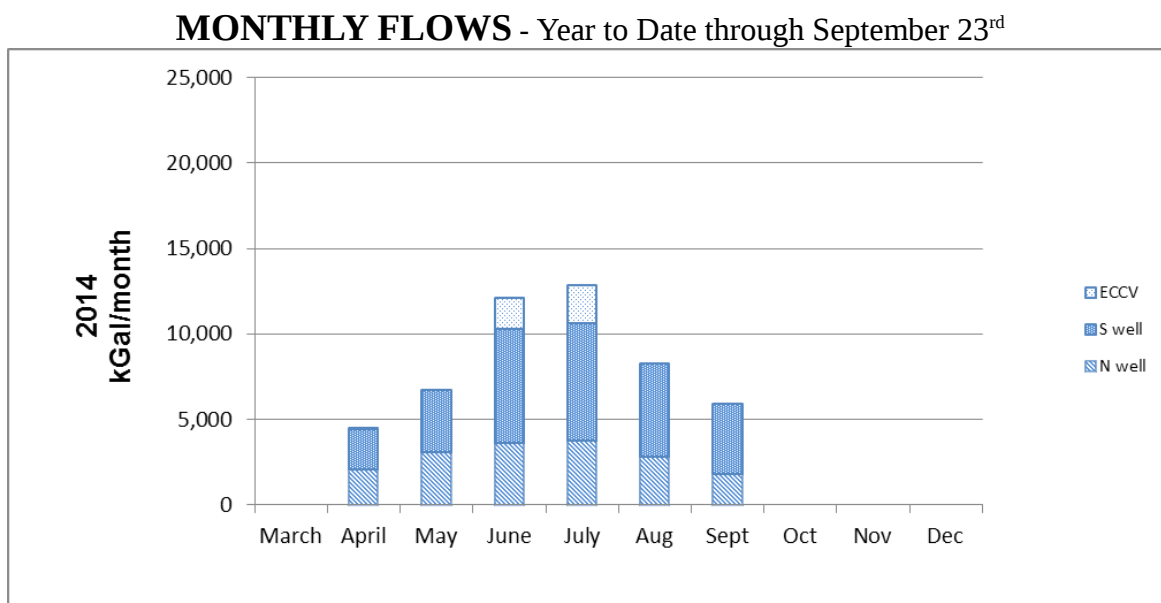
Water use continues to be low compared with recent years. We are currently at about 50 million gallons; which is about 71% of the running five year average (about 70 MG) and only about 57% of the recent peak year (88 MG in 2012). The wells have run about 50% of the time during September. No additional water has been pulled from the ECCV Service Line since July; with this source representing only about 8% for the year to date.

Along with relocating the Wi-Fi equipment into separate enclosures, which we are in the process of shop fabrication and plan to later this year, we want to add the ability to restart the two wells when in the automatic “Fairway 4 Pond Water Level” mode. Currently the wells turn off when the water level reaches ½-foot below full (or when we see likely rain on the horizon), and restart when the level drops to 1½-foot down. The change will allow us to restart the wells immediately if the forecast is for dry weather.

During the past month, the North Well required manual restart once due to a “motor torque” fault on automatic startup. The pump restarted and performed as expected upon manual restart with all other parameters (e.g., drive output amperage and voltage) looking normal. We will keep a close eye on this. It is hard to predict when electrical components will fail. Besides keeping the ventilation openings and the cooling fins clean, there is little preventative maintenance for the drives. For information purposes, back in August 2012, the variable frequency drive for the South Well failed; with a replacement drive being quickly installed by Layne for about \$60,000. We anticipate that costs to replace the North Well VFD would be in this same range (smaller horsepower drive but with inflation).

Otherwise, there were no other problems with the wells or Wi-Fi telemetry system.

We will be providing additional information concerning the long term, post-WISE use of the ECCV Service Line and a possible third Denver Basin groundwater well during the upcoming off-season.



(Note that our peak month supply during June and August of 2012 was about 20 MG)

CURRENT/HISTORIC CUMULATIVE FLOWS - Year to Date through September 23rd

YEAR TO DATE - through September 23rd

| Eagle Bend - 2014 | thru September 23, 2014 for flows | | | | | | | | |
|--|-----------------------------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Service Month (nominal) | <u>Initial</u> | <u>March</u> | <u>April</u> | <u>May</u> | <u>June</u> | <u>July</u> | <u>Aug</u> | <u>Sept</u> | <u>YTD</u> |
| Meter Reads | | | | | | | | | |
| North Well | 6223 | 6223 | 8315 | 11418 | 15013 | 18769 | 21585 | 1 | |
| South Well | 56954 | 56954 | 59280 | 62924 | 69600 | 76500 | 81941 | | |
| ECCV | 42956 | 42956 | 42959 | 42959 | 44797 | 46992 | 46992 | | |
| Aurora Potable | 25297 | 25297 | 25297 | 25297 | 25297 | 25297 | 25297 | | |
| kgal | | | | | | | | | |
| North Well | | 0 | 2,092 | 3,103 | 3,595 | 3,756 | 2,816 | 1,800 | 17,162 |
| South Well | | 0 | 2,326 | 3,644 | 6,676 | 6,900 | 5,441 | 4,108 | 29,095 |
| ECCV | | 0 | 3 | 0 | 1,838 | 2,195 | 0 | 0 | 4,036 |
| Aurora Potable | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total - kgal | | 0 | 4,421 | 6,747 | 12,109 | 12,851 | 8,257 | 5,908 | 50,293 |
| Total - af | | 0.0 | 13.6 | 20.7 | 37.2 | 39.4 | 25.3 | 18.1 | 154.3 |
| COA Billing (2 months) | | | | | | | | | |
| North Well | \$0.00 | \$0.00 | \$878.64 | \$1,303.26 | \$1,509.90 | \$1,577.52 | \$1,182.72 | | \$6,452.04 |
| South Well | \$0.00 | \$0.00 | \$976.92 | \$1,530.48 | \$2,803.92 | \$2,898.00 | \$2,285.22 | | \$10,494.54 |
| ECCV | \$0.00 | \$0.00 | \$19.44 | \$0.00 | \$11,910.24 | \$14,223.60 | \$0.00 | | \$26,153.28 |
| Aurora Potable | \$87.14 | \$43.57 | \$43.57 | \$43.57 | \$43.57 | \$43.57 | \$43.57 | | \$348.56 |
| Total | \$87.14 | \$43.57 | \$1,918.57 | \$2,877.31 | \$16,267.63 | \$18,742.69 | \$3,511.51 | | \$43,361.28 |
| Xcel Energy Billing (2 months) | | | | | | | | | |
| North Well | \$885.53 | \$494.68 | \$3,798.39 | \$3,981.06 | \$4,278.21 | \$4,507.41 | \$3,614.17 | | \$21,559.45 |
| South Well | \$1,620.23 | \$451.21 | \$3,943.95 | \$3,995.18 | \$6,024.79 | \$6,489.51 | \$5,484.62 | | \$28,009.49 |
| Total | \$2,505.76 | \$945.89 | \$7,742.34 | \$7,976.24 | \$10,303.00 | \$10,996.92 | \$9,098.79 | | \$49,568.94 |
| Xcel \$/kgal (approx., some time lag) | | | | | | | | | |
| North Well | | | \$1.82 | \$1.28 | \$1.19 | \$1.20 | \$1.28 | | \$1.26 |
| South Well | | | \$1.70 | \$1.10 | \$0.90 | \$0.94 | \$1.01 | | \$0.96 |
| Combined | | | \$1.75 | \$1.18 | \$1.00 | \$1.03 | \$1.10 | | \$1.38 |
| HOA Billing | \$22,000.00 | \$22,000.00 | \$33,406.18 | \$39,407.26 | \$53,241.22 | \$55,155.58 | \$43,303.06 | | \$268,513.30 |
| Net to District | \$0.00 | \$21,010.54 | \$23,745.27 | \$28,553.71 | \$26,670.59 | \$25,415.97 | \$30,692.76 | | \$156,088.84 |
| Credit towards ECCV SL | \$0.00 | \$0.00 | \$13.05 | \$0.00 | \$7,995.30 | \$9,548.25 | \$0.00 | | \$17,556.60 |