



FAIRVIEW CITY 2024 ANNUAL WATER REPORT

Culinary use, loss and trends

CONNECTIONS

Residential – **648** +6 (increase of 0.9%) (6.6% since 2019)

Commercial – **22** (-2) -8%

Inside out and Winkalman no longer commercial

Institutional – **13** (no change)

Industrial – **2** (no change)

Total In-City – **559 (+6 New)**

Total Out of City – **126 (+0) 0%**

ERU's (Equal to 798 residential users)

WATER USED

- Residential – 44,784,494 gal (increase of **8.3%**)
- Commercial – 1,980,740 gal (decrease of **2%**)
- Institutions – 7,020,940 gal (increase of **31%**)
 - Red Brick Church grounds accounts for all
- Industrial – 1350390 gal (increase of **4.5%**)
- Total 55,136,564 gal (increase of **10.2%**)
 - Highest ever in recorded history by 5 million gallons. (this is accounted for, metered water. As we replace meters, we should expect this number to rise to match source demand)

SOURCE INVENTORY

Spring Line – 48,994,717 gal (increase of 5.7%)

The springs were down for 6 weeks. They are producing more water! 21 Million gallons estimated to be lost between top and bottom.

Lower Well – 24,331,900 gal (increase of 4%)

Well #4 – 2,991,904 gal (increase of 104.0%)

Increase due to springs repair

Total – 79,420,938 gal (increase of 9.2%) Highest ever was 2017 @ 88,512,060 gallons

Springs 63.5%

Lower Well 32.34%

Well #4 4.16%

WATER LOSS

- Sources – 79,420,938 gal
- Metered to users – 55,136,564 gal
- Loss – 22,696,809 gal (30.58% from last years 31.21%)
- Lower Well Tank is still leaking – in Engineering.
- Old galvanized service lines
- Spring transmission line showing additional 30% loss between spring and tank. Actual at source is estimated to be 69,992,452 gallons
- Public demand is increasing, while we are still short of our highest ever source demand by 9 million gallons. Source demand is = to 2016

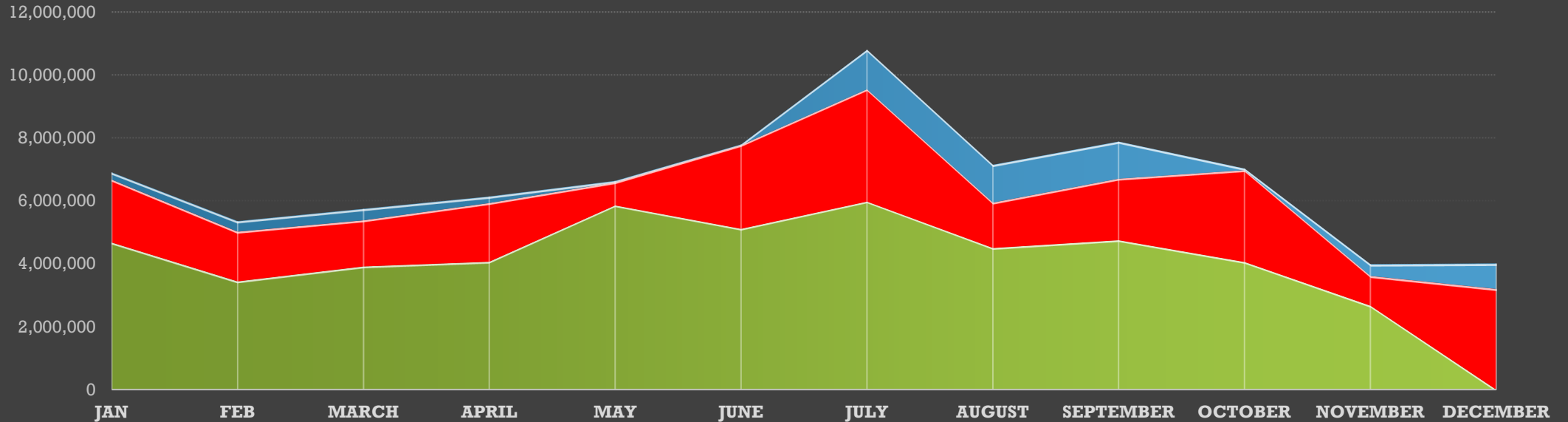


WATER MAIN BREAKS

SPRING COLLECTION REPAIR

Water Source Load Share 2024

■ Springs ■ Lower Well ■ Well #4



UPCOMING WATER PROJECT

- Replace Spring Transmission line with 10" HDPE – Estimate \$2.5 million. Increase of 22 million gallons a year.
- Replace Lower Well tank with 750K gallon tank – Estimate \$3.5 million
- Bear Flat Spring redevelopment – Estimate \$650K, increase 78 million gallons a year.
- Little Bear Spring redevelopment – Estimate \$200K
- Estimate 70 new Fire Hydrants – Estimate \$650K
- Total – Estimate \$9 Million after land purchase- \$5.4 Million eligible for Impact fee.
- Total estimated increase of water by 100 million gallons or an increase of 225% or 685 additional homes. Will require an increase of \$7883 to impact fees to account for \$5.4 Million.
- Total water right is 2500 acre feet. Current use is 242 acre ft. Project will increase by 360 acre feet for a total 600 acre ft available.
- 0 Grant, 0 interest cost of \$225,000 annual payment over 40 years
- 50% grant 0.5% interest cost of \$124,000 annual payment over 40 years