



White Rock Community Meeting

March 27, 2024

AQUARION

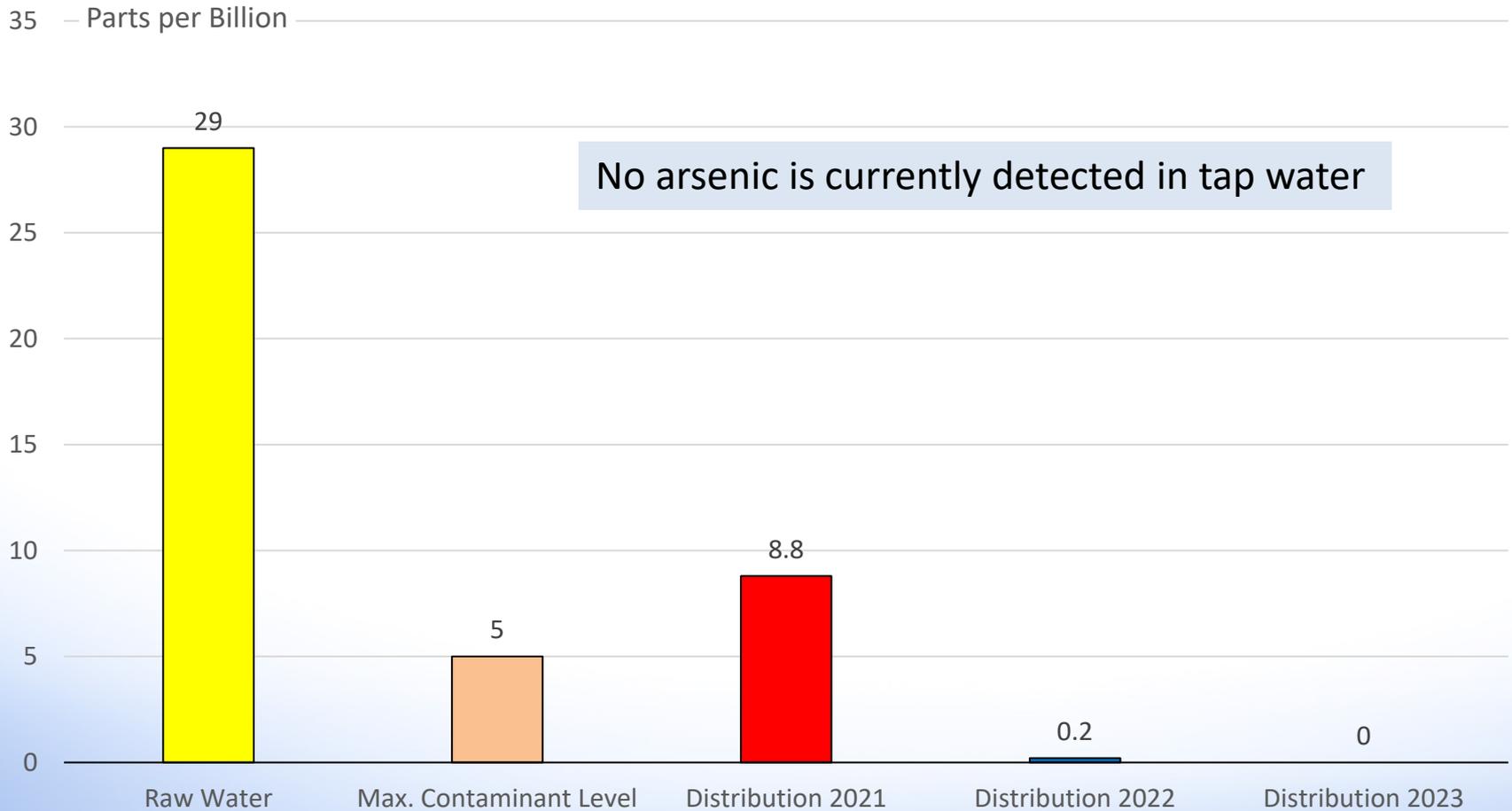


Agenda

- Water Quality
- System Improvements
- Well Production Performance / New Source Development
- Leakage Control
- Outside Water Use
- Rain Barrel Sale



Water Quality



System Improvements 2022-2023

- 2022
 - Storage Tanks were relined
 - Arsenic treatment system was replaced and upgraded
 - New chemical storage and feed equipment
 - Replaced one of two booster pumps
- 2023
 - Telemetry on well levels and pump rates
 - Fixed 4 distribution system leaks
 - Replaced pumps in Wells 1 and 2
 - Replaced two pressure reducing valves
 - Installed new valve at Surrey and Oak Ridge

The company has completed multiple improvement projects



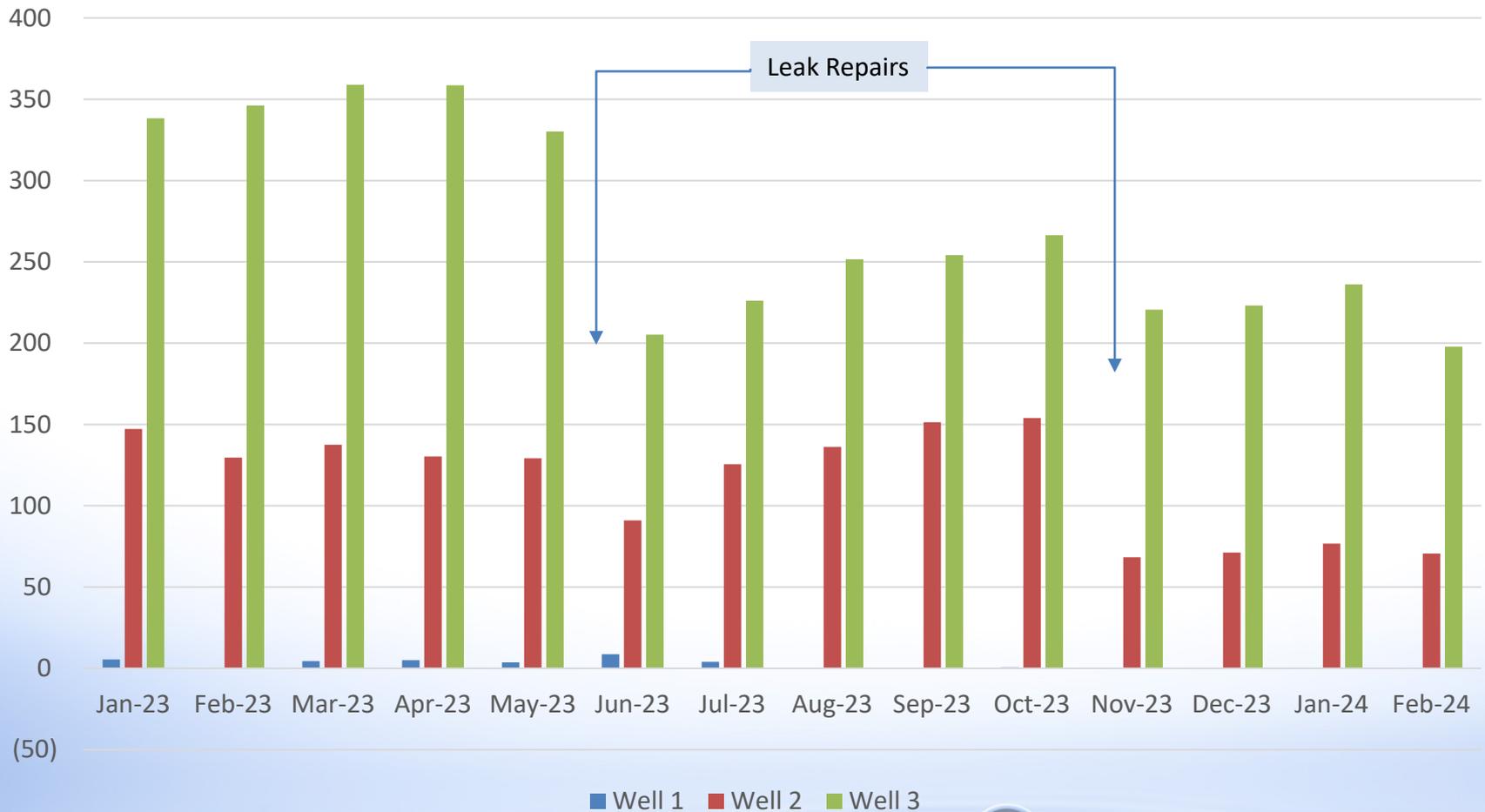
System Improvements 2024

- 2024
 - Redevelop Well 2
 - More telemetry and control equipment for pumping, treatment and alarms
 - Replace three remaining pressure reducing valves
 - Safety improvements to reduce confined space entry risks
 - Meter replacements



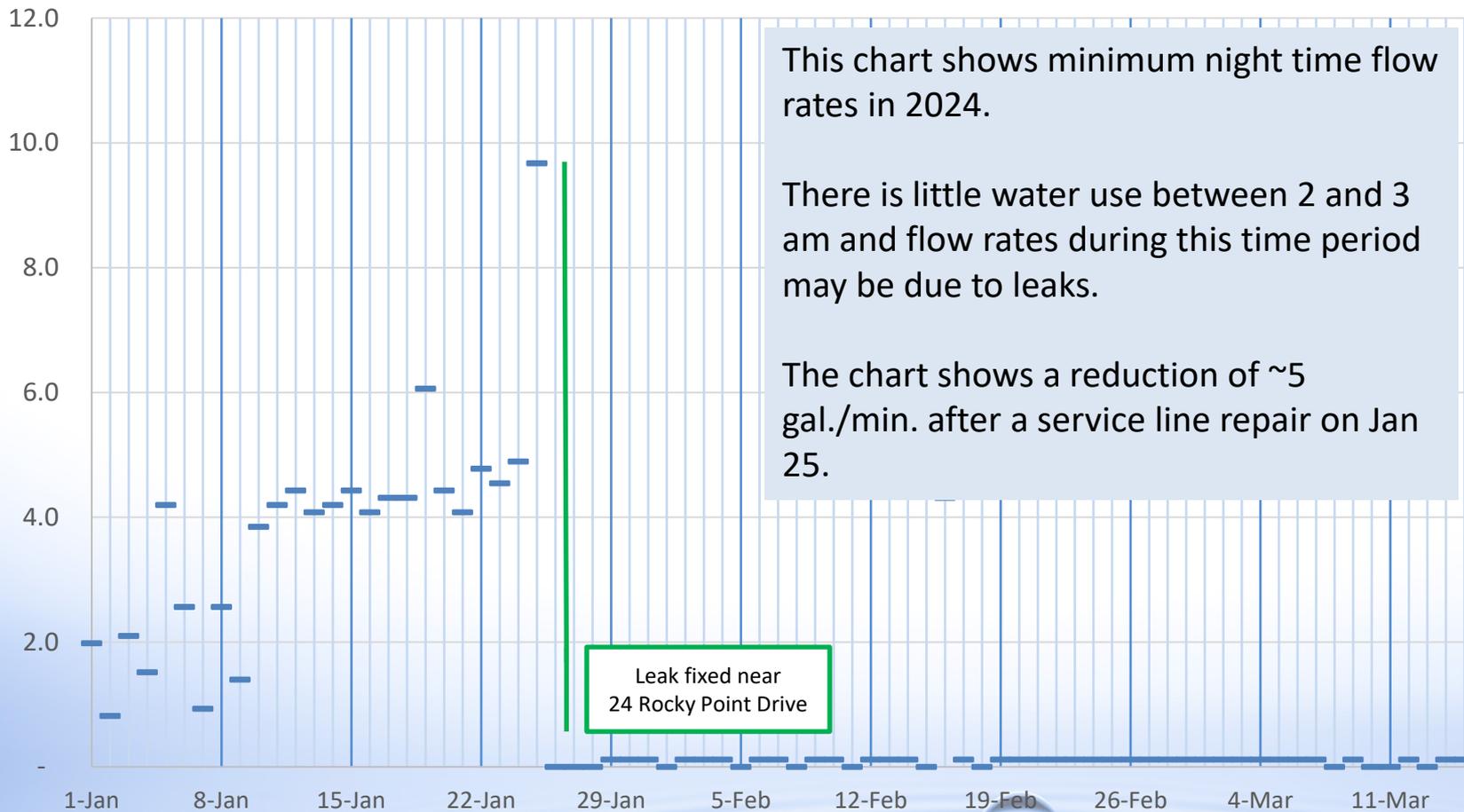
Daily Production Jan 2023 through Feb 2024

Monthly Production Totals

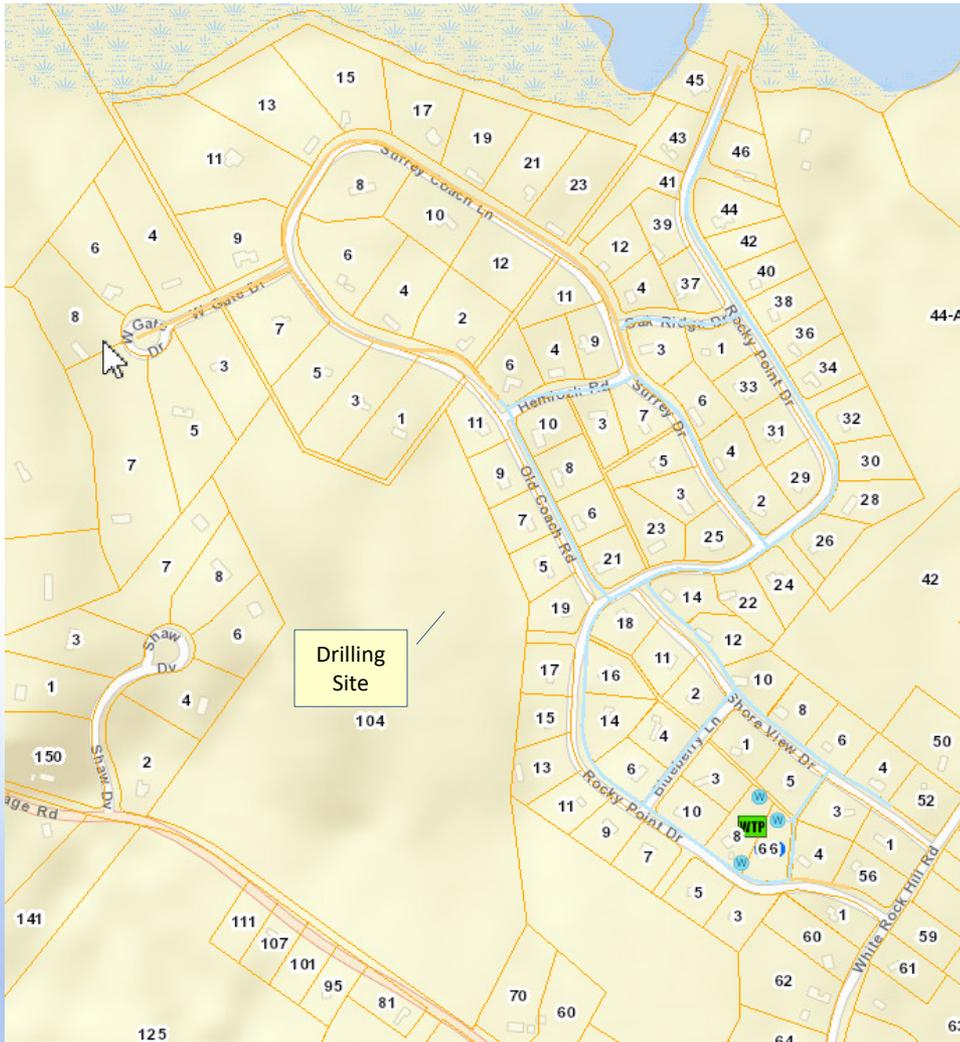


Leak Repairs

2 a.m. – 3 am. Leak Rate (Gallons per Minute)



What About New Source Development?



An exploration well was drilled in 2023, but could produce enough water to warrant further development

Another site on company property was rejected by DES because it was too close to the existing wells.

Further new source exploration is on hold pending the results of well redevelopment work

Well 2 Re-development Schedule

- Scope of redeveloping Well 2
 - Liquid carbon dioxide will be pumped into the well
 - Liquid scours out existing fractures that are clogged with bacteria and sediment
 - Liquid vaporizes which further breaks up deposits and kills bacteria
 - The well is thoroughly flushed, chlorinated, flushed again then tested for bacteria
 - The well is returned to service when favorable results are received
 - Redevelopment will hopefully restore the well to its original production capacity
- Schedule
 - Projected to be taken out of service on April 22 for about two weeks
 - If all goes well, it could be returned to service as early as May 3
 - If redeveloped capacity is satisfactory, redevelopment of Well 3 will be scheduled



Outside Watering Ban

- Will redeveloping the wells remove the need for the outside watering ban?
 - Depends entirely on whether each well's original capacity can be restored
 - Demand w/o outside water use = 10,000 gallons per day
 - Well 1 and 2 combined = 14 gpm = ~20,000 gallons per day
 - Well 1 and 2 are interconnected; only Well 2 currently in use
 - Well 3 = 35 gpm = ~50,000 gallons per day
- At full well capacity, a reasonable amount of outside water use could be supported
 - Until well redevelopment is finished, the current ban remains in effect





Rain Barrel Program

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