

Virgin Valley Water District

FY2024 Annual Report

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11th Annual Report

July 1, 2023 – June 30, 2024



H2O Joe Making Magic Happen

Date: August 6, 2024

Prepared By: Kevin Brown, General Manager

For: Virgin Valley Water District Board of Directors

Board of Directors:



Ben Davis, President (Mesquite)



Brian Bingham, Vice-President (Bunkerville)



Adam Anderson (Bunkerville)



Randy Laub (Mesquite)



Gary Elgort (Mesquite)

District Staff:

Administration:

Christine Alvares
Natalie Anderson
Kevin Brown
Aaron Bunker
Kason Bulloch
Adelina Ceja
Steven Hall
Kyle Hughes
Valerie Martinez
Caroline Miramontes
Bryan Plum
Wes Smith

Meters:

Rob Faught
Danny Ramirez
Juan Zarate

Treatment:

Philip Abbott
Keith Garrett
Kaden Laub
Troy Tanner

Distribution:

Dylan Dominguez
Cris Felix
Cameron Klug
Adam Owsley



Natalie & H2O Joe



Dylan & Cameron



Aaron



Adam, Kason, Cris, John



The Staff...



Caroline, Adelina, Kevin, Val, Christine



Rob, Val, Daniel, John



Rob

From the General Manager

Eleven years! Where does the time go? Fiscal Year 2024 was another challenging, yet satisfying one! Inflation and supply chain interruptions eased somewhat. Many projects and improvements were successfully completed. Growth continued to be higher than anticipated, but not as robust as the previous year.

Our water supply, the deep groundwater aquifer beneath us, is in great shape. How do we know that? We monitor the groundwater levels on a monthly basis to ensure our pumping does not stress the aquifer. We also monitor precipitation in the mountains to the north, east, and south of our area to track trends in precipitation. We continue to implement small, step by step, elements of our Water Conservation and Water Master Plans help to ensure that we won't fall into the same problems plaguing many other communities in the southwest.

On the Board of Directors front, Ben Davis was re-elected President of the Board and Brian Bingham re-elected as Vice-president. Richard Bowler resigned as a Director and was replaced by Adam Anderson to fill the vacant Bunkerville seat.

Our Operations Group continues to perform at an excellent level maintaining the system: fixing leaks, maintaining meters, collecting water samples, operating the wells and treatment plants, operating the SCADA system, and on and on. Our operators are very talented and very motivated, ready 24/7 for any challenge. We continue the transition to the Advanced Metering Infrastructure (AMI). So far, the District has replaced 9,750 of our 10,780 existing $\frac{3}{4}$ " residential meters with newer AMI meters. Supply chain issues hampered the installation rate. Our non-revenue water losses remained below 10% for calendar year 2023. Looking forward in personnel actions, Rob Faught will retire in January 2025. Rob has been with the District for nearly 30 years. He has a tremendous amount of institutional knowledge of the system, and because of his keen mind and fabricating skills has earned the nickname MacGyver. It will be very difficult to replace Rob's knowledge base and skillset.

Our Administrative Group also performs at an outstanding level. They process over 100,000 transactions per year. They do a great job every single day assisting our customers on the phone or in person. The District's key financial indicators remain healthy with significant cash available for upcoming very expensive infrastructure projects. New rates will be implemented in FY2025 through FY2027. Kevin Brown will retire in August 2024 after 11 years as the General Manager. Kevin brought a steadying peace and respect to the District. He led the District through some tumultuous times and helped grow the District from a small rural utility to a top notch modern system poised for future greatness in the water industry.



Over 1,000 water samples per year are analyzed for over 100 possible contaminants to comply with the federal Safe Drinking Water Act and ensure the public's health is protected.

FY2024 Projects and Programs

FY2024 was another busy year! The following projects were accomplished/started:

Projects:

- Continued Conversion to Sensus Meter AMI System (slowed by supply chain)
- Rehabilitated Vista Del Monte Booster Station
- Rehabilitated Well 32
- Rehabilitated Treatment Plant 28
- Purchased and Expanded Treatment Plant 28 Property
- Completed New Scenic 2.0MG Tank
- Purchased Drone to Improve Leak Detection Process

Programs:

- Received Approval from NDEP of Our Water Conservation Plan
- Received Approval from NDEP of Our Community Source Water Protection Plan
- Updated the Master Plan
- Changes to CCWS, SDC, and Metered Water Rates
- Completed Year Two of the Perennial Yield Study
- Worked Towards Receiving \$5,700,000 in Infrastructure Grant Funding in FY2024



New Water Truck



New Scenic Tank



Another Break Repair



Vista Del Monte
Booster Station



Well 32 Rehab

VVWD by the Numbers

- **6,512 Acre-Feet** of water pumped in calendar year 2023 (7,018 acre-feet in 2022)

- **High: 803 Acre-Feet** Pumped in July 2023 (calendar year)



- **Low: 332 Acre-Feet** Pumped in January 2023 (calendar year)



- **80°F**

Temperature of water pumped out of the aquifer

- **9**

Wells ranging in production capability from 350 gallons per minute to 2,400 gallons per minute

- **10,780**

Residential customers (3/4" meters at the end of calendar year 2023 (2.6% increase from December 2022))

- **118**

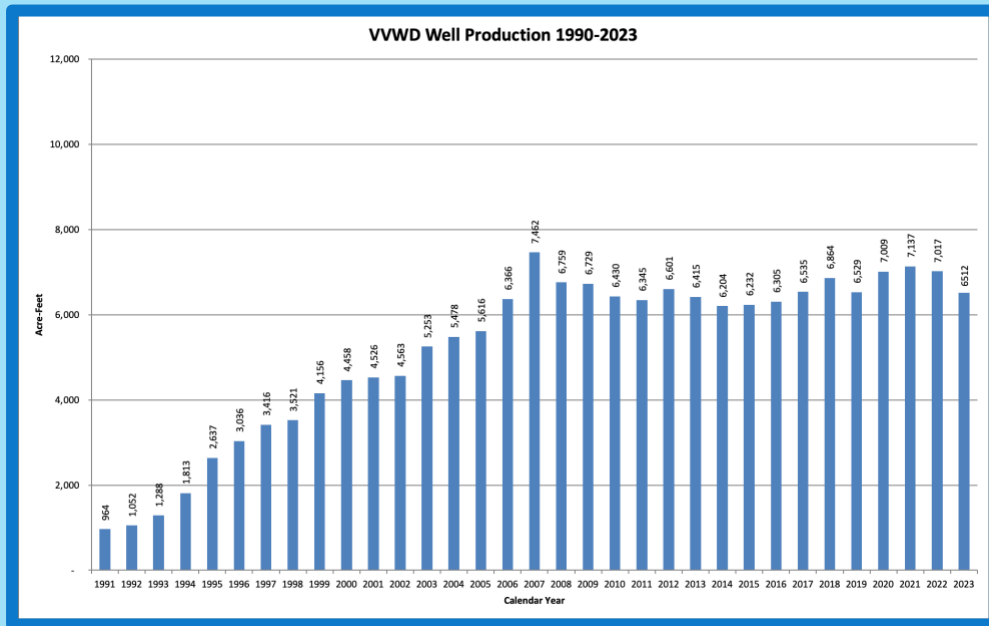
Gallons per capita per day used for residential 3/4" meter

- **127**

Number of lateral leaks repaired in calendar year 2023 (120 in 2022)

Looking Forward to FY2025

- Outfit Well 35
- Outfit Well 36
- Start Construction of Treatment Plant 35
- Rehabilitate Well 31
- Construct Hafen Lane/Leavitt Lane Waterline Improvements
- Start Construction of Sun City Booster Station
- Install Two New Groundwater Monitoring Wells
- Finish the Sensus Meter AMI Conversion
- Replace Portion of 10" Transmission Line to Freeway Tank
- Continue the Perennial Yield Study
- Updates to Rules, Regulations, and Rates
- Updates to Design Standards and Specifications
- Update the Well Sustainability Study
- Completion of the Lead Line Inventory
- Plan on Replacing Rob Faught and Kevin Brown



H2O Joe Educating the Next Generation