

General Manager's Update

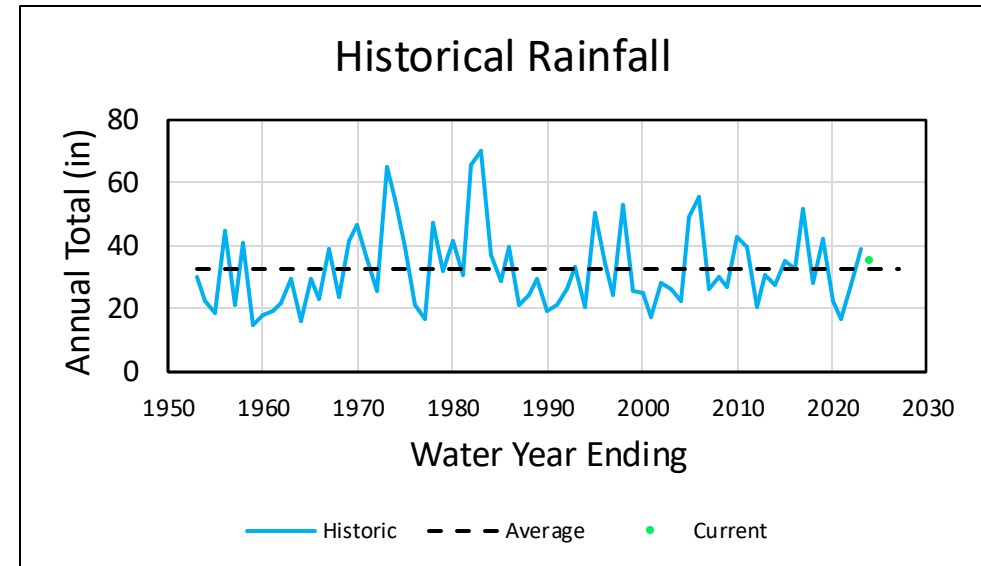
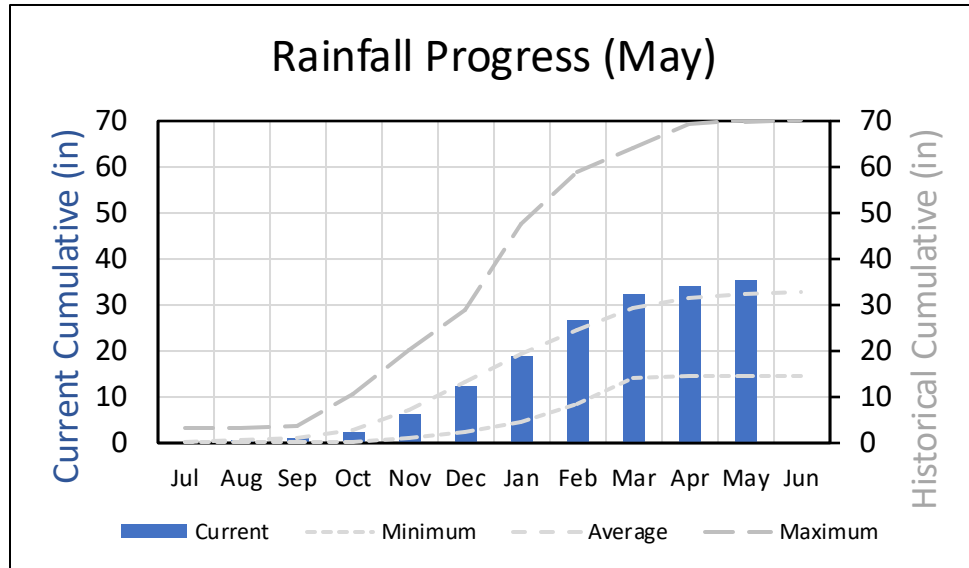
June 19, 2024

Regular Board Meeting

Presented by Georgia Woods

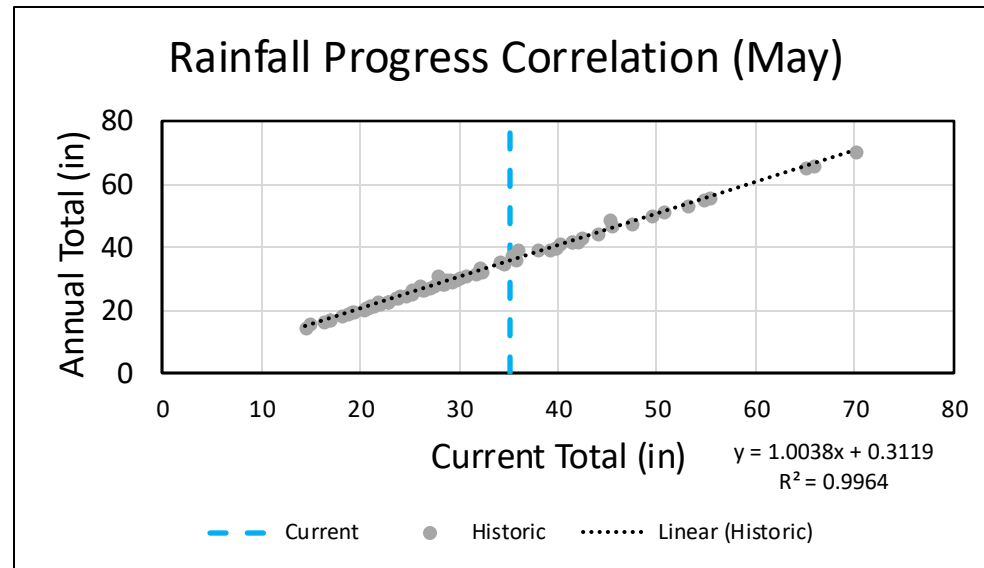
Status of BCPUD's Water Supply

Rainfall through the end of May



As of the end of May 2024, the District had received **35.09 inches** of rain since July 1, 2023 (the beginning of the rain year), which is slightly above the average of 32.15 inches for that time of year.

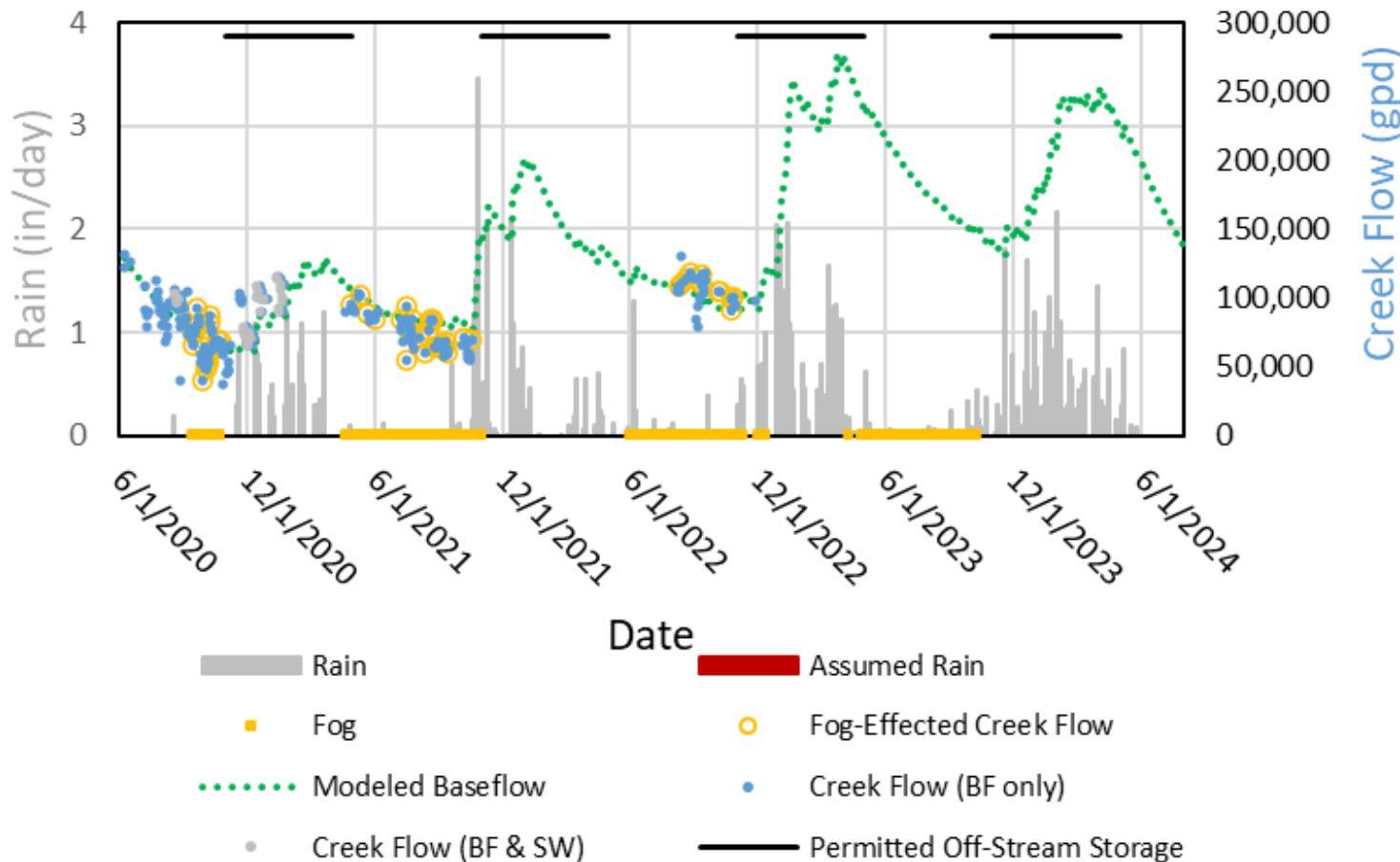
Rainfall Progression Analysis



A rainfall progression analysis indicates that there were **only 33% of the years** in our historical record that had more rain by the end of May, compared to this year (23/24 Rain Year). Given that our cumulative total through May is 35.09, and using this progression correlation analysis, we are projecting that we will have **~35.53 inches** by the end of this rain year (June 30, 2024).

Model of Arroyo Hondo Creek Flows

Rainfall and Arroyo Hondo Flows

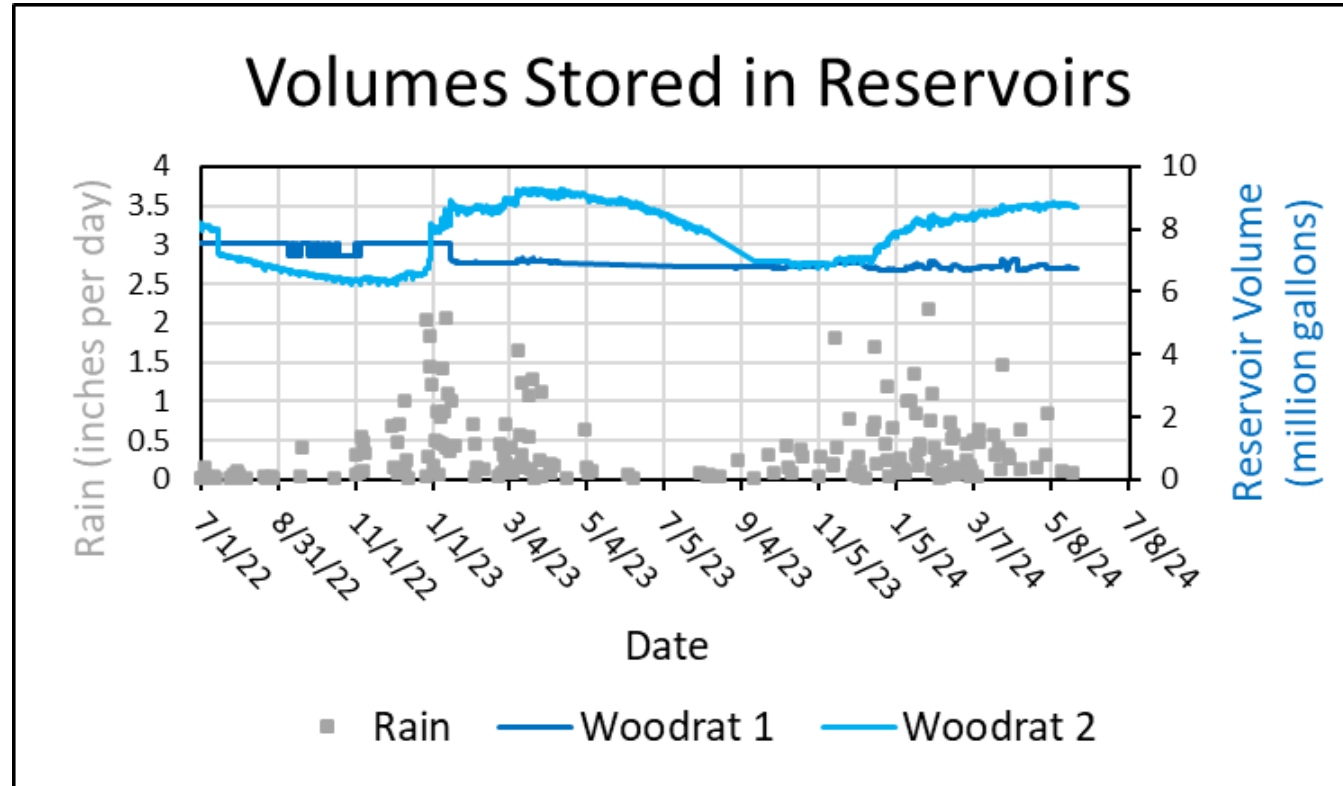


Creek flows remain much higher than in recent (drought) years and continue to meet District Demand

- Average flows in May were estimated at ~214,000 GPD
- This is below flows in April, which were estimated at ~230,000 GPD
- Flows by the end of June are predicted to be ~ 166,000 GPD
- We have not had to divert from the Woodrat Reservoirs

Graph is the District's Base Flow (BF) recession model for the Arroyo Hondo Creek, updated to depict predictions of the base flow portion of creek flows through the end of June 2024, based on actual rainfall through May. The creek has been flowing over the impoundment structure all year. Creek flows have been so high (subsequent to the fall of 2022) that there have been no opportunities to compare model estimates to actual measurements.

Water Storage



Woodrat 1 Reservoir and Woodrat 2 Reservoir are both full but no longer spilling.

Water **Production** and **Consumption** in May

PRODUCTION

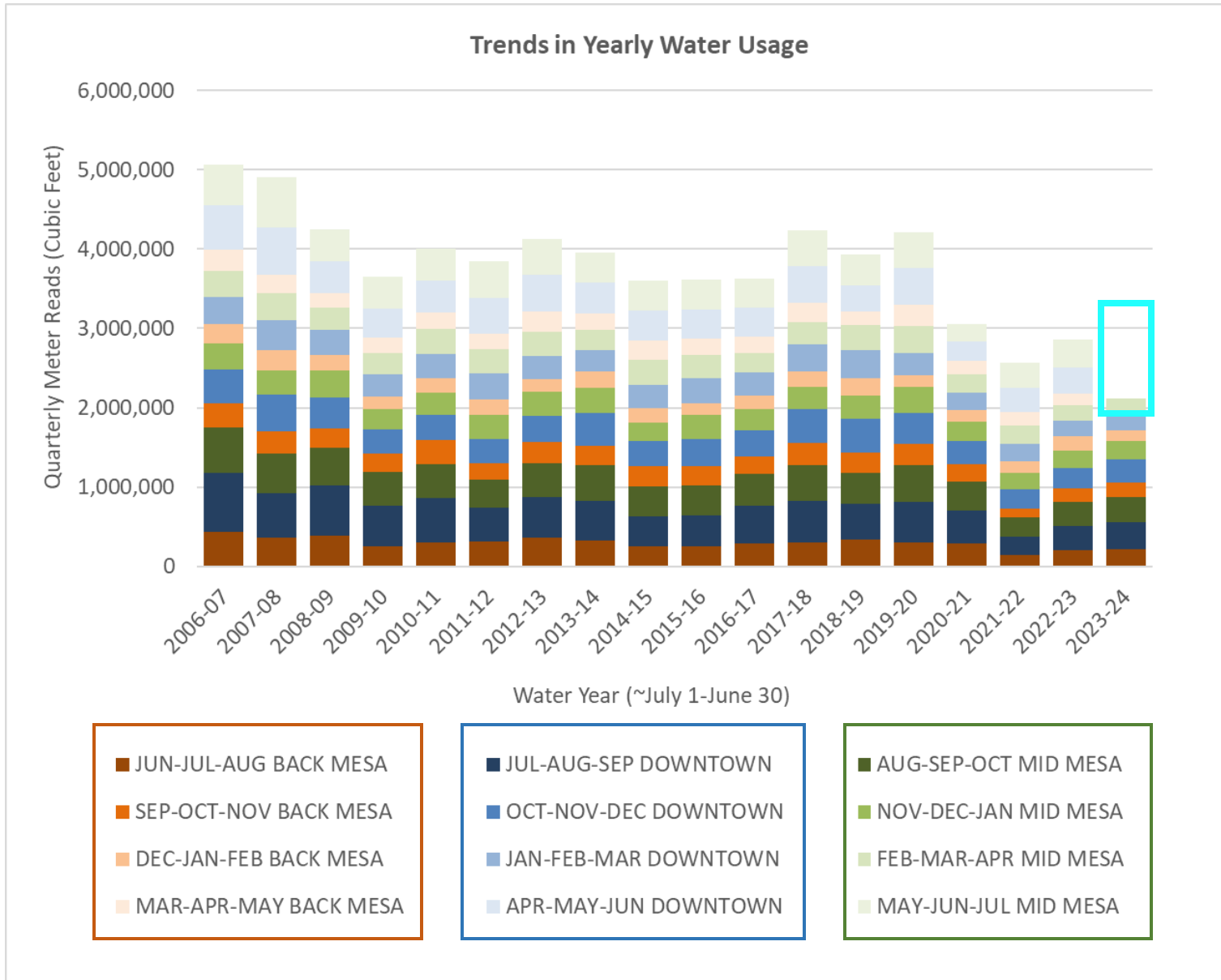
- In May 2024, water *production* in the district averaged **77, 801** gallons per day (GPD),
- This is **up** from April production, which averaged **65, 120** GPD.

CONSUMPTION

- Water *consumption* in May averaged **75, 492** GPD (approximately **130 GPD** per connection)
- This is **up** from April consumption, which averaged **61, 743** GPD (approximately **106 GPD** per connection).

Annual Trends Since 2006

Quarterly Water Usage through April 2024

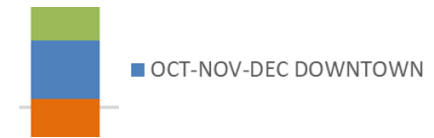


This graph shows “Cumulative Quarterly Water Usage”, as measured by “Regional Quarterly Water Meter Reads”

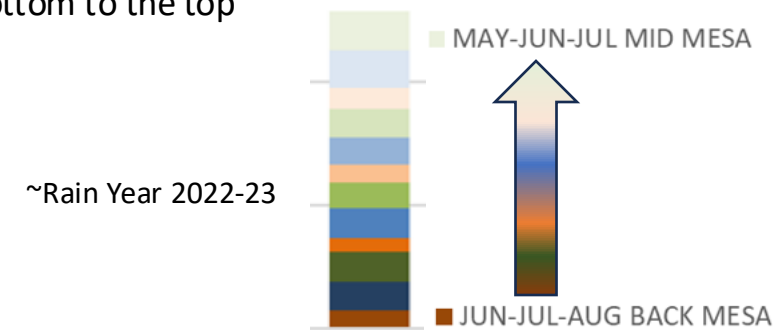
- Remember: at the beginning of each month staff reads all meters within 1 of 3 given regions:

- 1) BACK MESA
- 2) DOWNTOWN
- 3) MID MESA

- Each individual-colored rectangle represents summed water usage in that region for the last ~3 months.



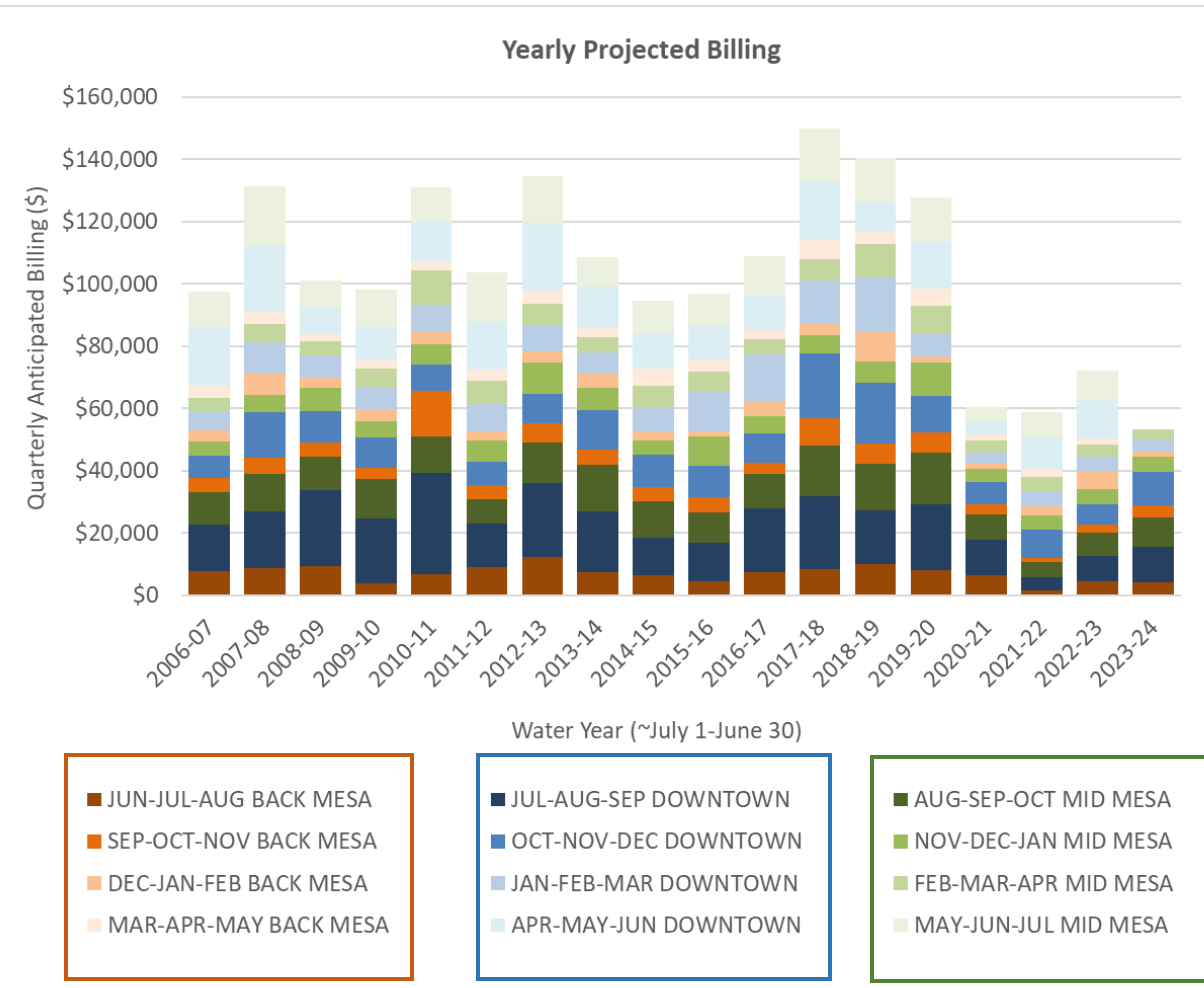
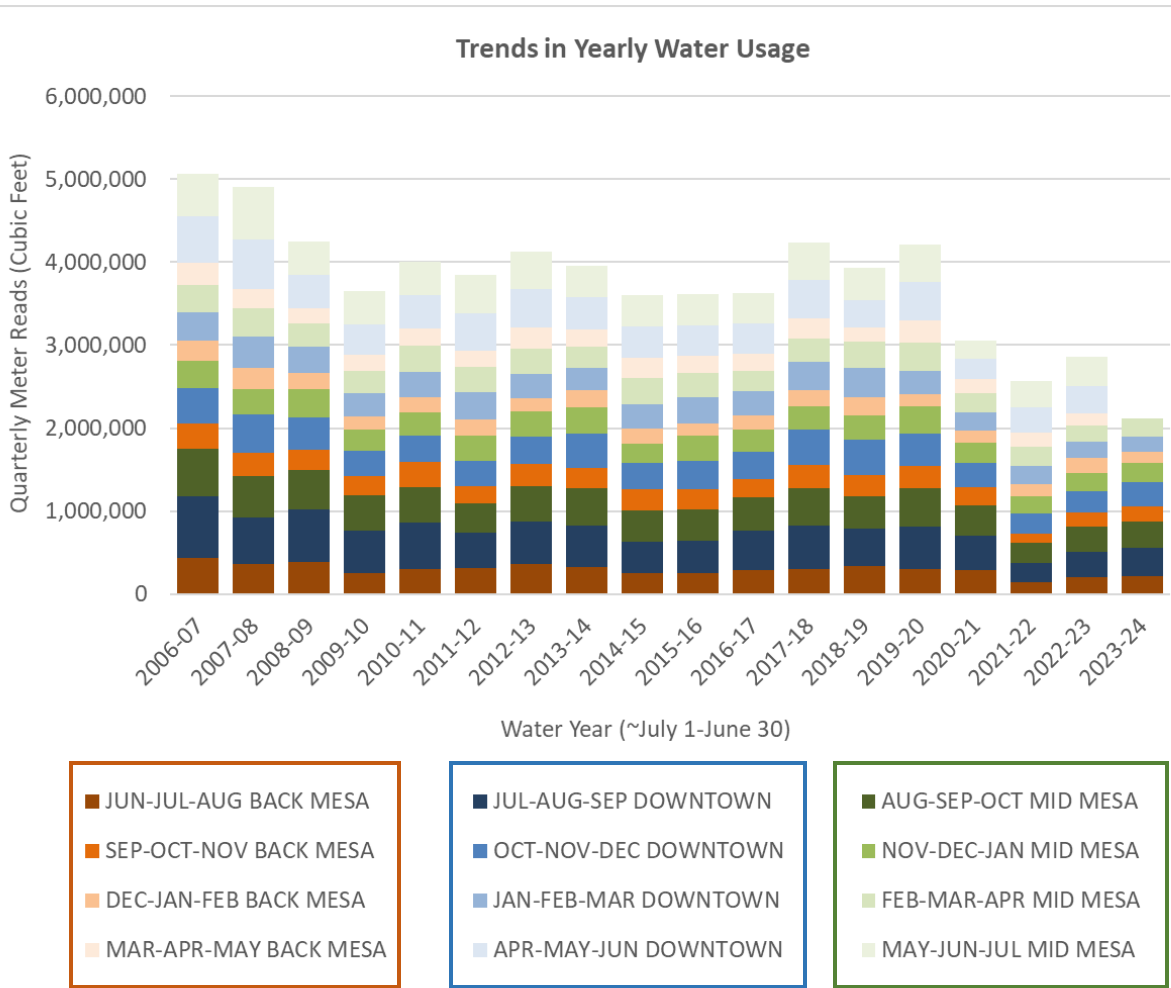
- The entire stacked column represents accumulating customer water usage in the District for the year starting from bottom to the top



- Note: Data in 2023/2024 runs through **FEB-MAR-APR MID MESA** (and does not yet include the last 3 Meter Reads for this ~rain year)

Annual Trends Since 2006

Quarterly Water Usage vs. Projected Billing through April 2024



Due to “Tiered Billing” (where high-water users are charged more per cubic foot) Water Usage per Quarter and Quarterly Billing are not always directly proportional.

Operations Update (1 of 3)

Well Project Update

- As a reminder, we resubmitted our Coastal Permit Applications to the County on April 19
- On May 15 the County Planner emailed us “Status Letters” for both the Wharf Well project and the Resource Recovery project
- **Our applications are considered "complete"**. Which is great news!
- **The bad news is that the County Planner says we will not receive our permits until early August, at the earliest!** Here is how the timing here plays out:
 - The County Planner prepares a Staff Report and files our application with the county records department
 - A Deputy Zoning Administrator issues a decision to approve or deny our application at a **public hearing (scheduled for June 27)**
 - If approved (and after an internal County appeal window) the County's final decision is sent to the Coastal Commission.
 - The Coastal Commission has their own appeal window, and if they (or a member of public) decide not to appeal, then our decision becomes final, and we receive our permits.
- Again, **we are confident that we will ultimately receive Coastal Permits for both projects**, but this laborious (and expensive!) permitting process is obviously very frustrating and has delayed our project and put it over-budget.

Operations Update (2 of 3)

Maintenance of Solar Arrays and plan to fix the broken inverter

- We finally got a tech (from Solar Technologies) to come check out our broken inverter.
- They reported that the problem is an issue with a small (inexpensive??) capacitor part. The tech 'knows a guy' who works on these machines, and he'll give him a call to see if it can be purchased.
- However, they also said that the machine and the replacement part may be hard to come by, in which case it may make sense to replace the entire machine.
- Tech reported that the Sewer-Pond Solar arrays look to be functioning okay.
- Unfortunately, Solar Technologies has not been hyper-responsive, so extracting information from them and repairing the machine is slow going—but we will continue to hound.

Operations Update (3 of 3)

Inspections of the Lab and Yard buildings

On June 10, Butler Commercial Building Inspection Inc. came out to inspect 3 buildings: 2 work buildings in the maintenance yard (at 270 Elm Rd.), and the Lab building (101 Mesa Rd.)

- We received their report on Monday June 17
- The report cost \$1,950 and produced some valuable information.
- The Building Committee plans to review the reports in the coming weeks and report back to the full Board at our July meeting.
- So, stay tuned!

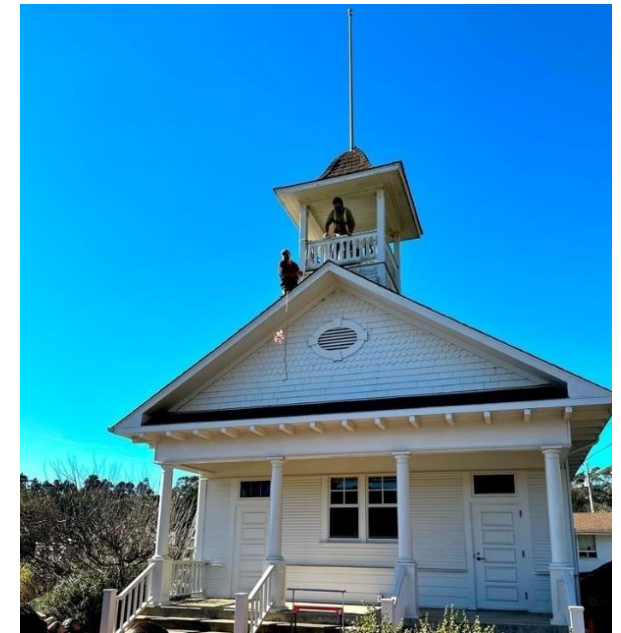


Governance Update

Time and location for future meetings

At the May meeting Board discussed the possibility of moving meeting time and location. The Board was leaning toward 6pm on the 3rd Tuesday of the month at Firehouse, starting in July.

- Unfortunately, the Firehouse meeting room is not available on Tuesdays.
- However, the Firehouse meeting room is available on the 3rd Wednesday of the month.
- Additionally, the School meeting room is available on the 3rd Tuesday of the Month.
- Finally, it was brought to my attention that our Prop 218 notice already specifies our July meeting time and location (thanks Jennifer!). **So, we will not be able to implement any changes until August!**

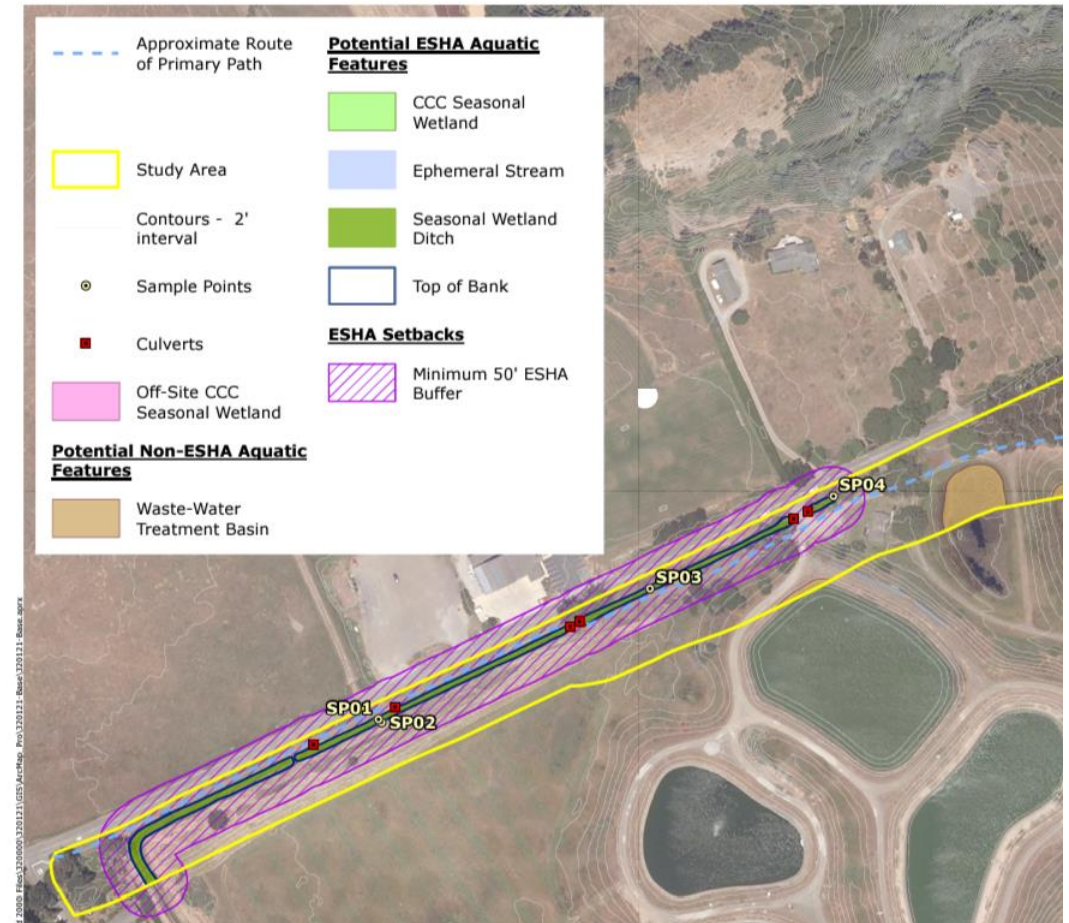


Miscellaneous Updates

Bike Path Repair Project

- On Friday, May 24, BCPUD staff met with the County Planner and WRA (our Biological Consultant) and BKF (our Bike Path Engineer).
- This was a very productive meeting. However, it made clear that **due to proximity of the existing path to identified wetland ESHA(s) we will need a Coastal Permit to complete the project.**
- I plan to come back with a **Special Report on the Bike Path Repair Project (including an evaluation of the Project Budget)** at our July meeting.

➔ So stay tuned!



As identified in this map, demarking aquatic resources, the path lies within a 50-foot buffer zone of a seasonal wetland ditch (a.k.a. the sewer pond isolation ditch) paralleling Mesa Road.