

BOLINAS COMMUNITY PUBLIC UTILITY DISTRICT

BCPUD

BOX 390 270 ELM ROAD BOLINAS CALIFORNIA 94924

415 868 1224



MEMORANDUM

TO: Board of Directors

FROM: Jennifer Blackman

RE: Update on District Water Supply and Recent Consumption Data

DATE: November 18, 2020

This memorandum briefly summarizes the status of the District's water supply as of today's date and provides a snapshot of water consumption throughout the district in October and thus far in November 2020.

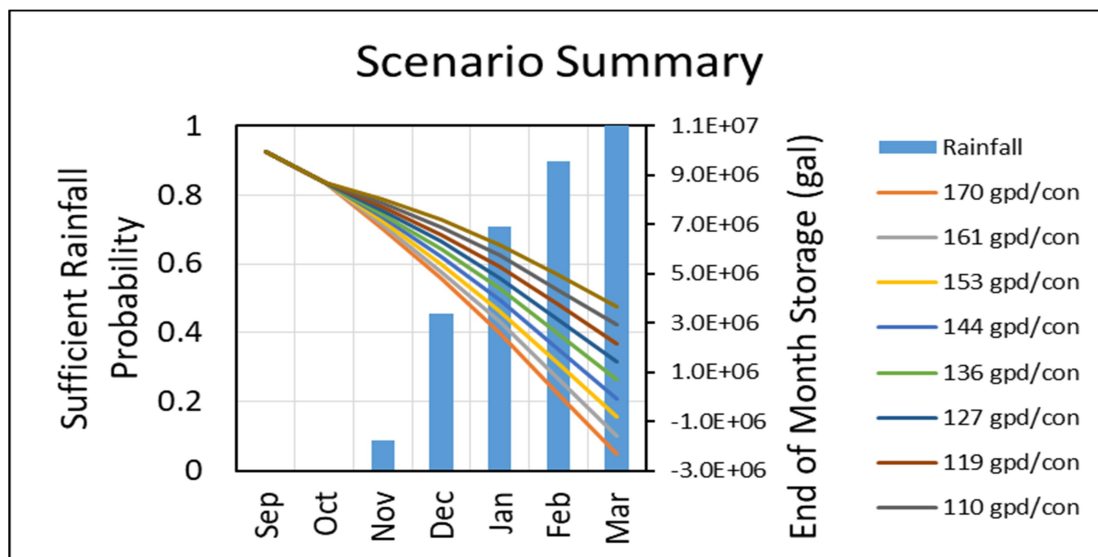
1. Water Supply: Since the last regular Board meeting in October (October 21 – November 17), the district has produced an average of 66,768 gallons of treated water per day at the Woodrat Water Treatment Plant ("WWTP") to meet current demand (more detail on demand below). As I reported last month, the amount diverted from our primary (preferred) water source, the Arroyo Hondo Creek, and the amount diverted from the Woodrat Reservoir 1 on any given day varies depending on a number of factors, the most significant of which is the creek flow that day (which we monitor on a daily basis). The amounts diverted from these two sources tend to "mirror" each other; in other words, as the creek flow rises, the amount diverted from the reservoir declines, and vice versa. From November 1 – 17, our diversions from the Arroyo Hondo Creek and from the Woodrat 1 Reservoir averaged of about 34,000 gallons per day (Arroyo Hondo) and averaged about 38,000 gallons per day (Woodrat 1).
2. Woodrat 1 and Woodrat 2: Our stored usable water supply in the Woodrat reservoirs as of November 13, 2020 (combined) is approximately 7,335,150 gallons.
3. Water Consumption. Since the last regular Board meeting in October (October 21 – November 17), water consumption in the district averaged 66,981 gallons per day, or 115 gallons per day per connection. In contrast, during the first part of October (October 1 – 21), consumption averaged 85,988 gallons per day, or 148 gallons per day per connection.¹ As such, water consumption in the last month has declined by approximately 19,000 gallons per day, or 33 gallons per day per connection, as compared to the first part of October, which is great news, and seems to be a continued and much appreciated response to the BCPUD's request for everyone to voluntarily reduce usage at the special Board meeting on September 30, 2020.

¹ As a reminder: water consumption in the district averaged 123,527 gallons per day in June 2020 (or 210 gallons per day per connection); 102,027 gallons per day in July (or 174 gallons per day per connection); 97,282 gallons per day in August (or 166 gallons per day per property); 98,562 per day in September (or 168 gallons per day per property).

Individual water consumption remains quite uneven. We continue to measure wide divergences in individual water consumption. For example, in October, the highest 25 water users consumed between 300 and 1,365 gallons of water per day², and 76 customers (including the 25 just referenced) used more than 200 gallons of water per day.³ Overall, in October 149 customers used more than the requested 150 gallons of water per day at their properties (as compared to 233 customers using more than 150 gallons of water per day in September).

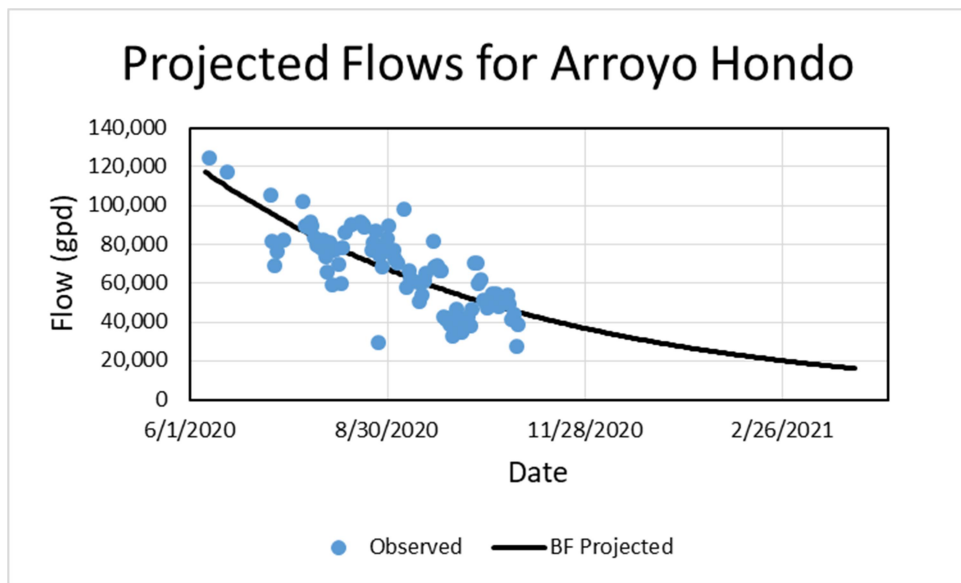
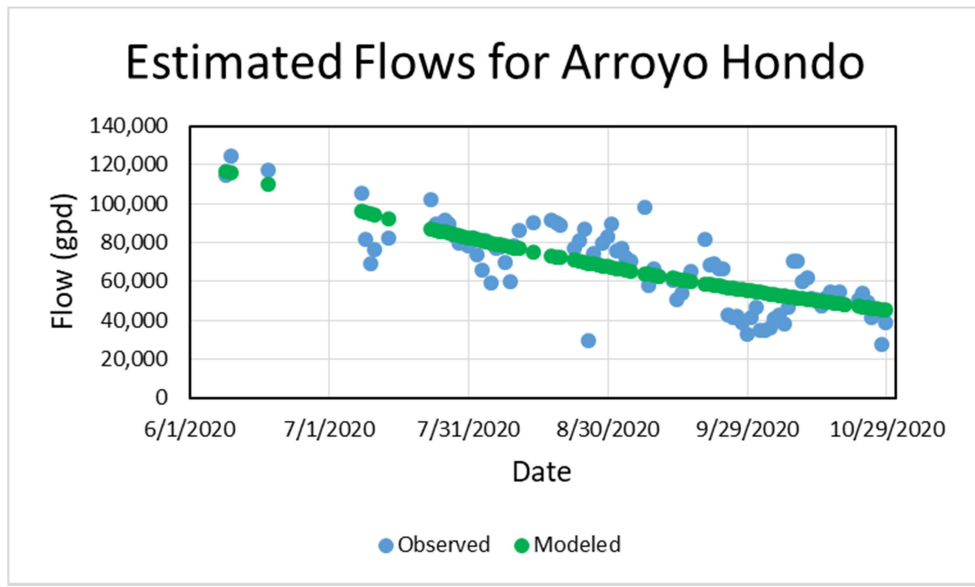
Staff continues to work with these “high water use” customers to help them identify the source of their high usage and reduce it asap. The two most commonly reported explanations of high water usage are landscape irrigation and/or a larger than usual number of people living at the property. Staff hand-delivered and mailed letters to nearly all customers using more than 300 gallons per day of water on November 14 -15. We asked for the recipients to call or email the office to acknowledge receipt of the letter and to make clear they understand the urgency of the situation, and most of them have done so. We followed up with spot meter reads to confirm that landscape irrigation systems have been turned off or usage otherwise has been reduced.

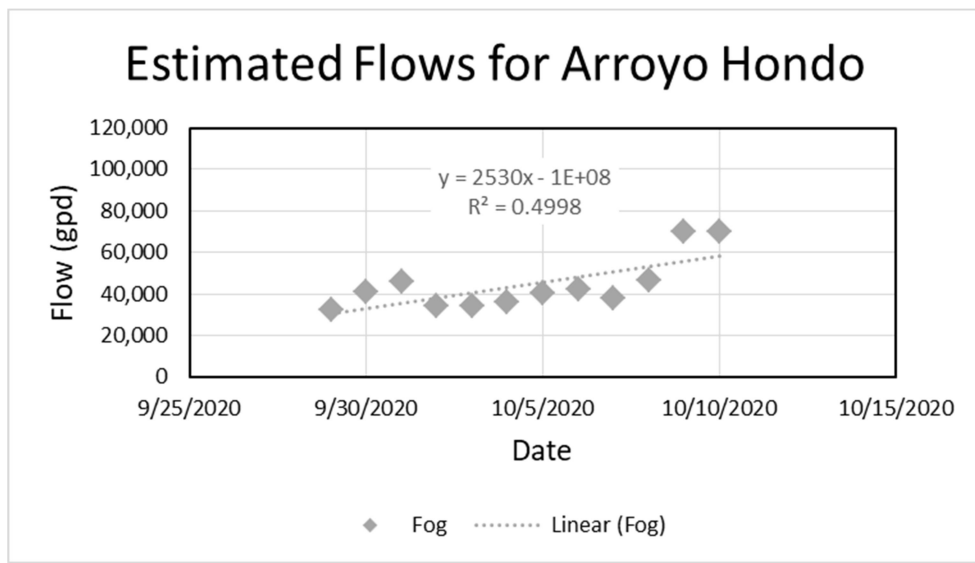
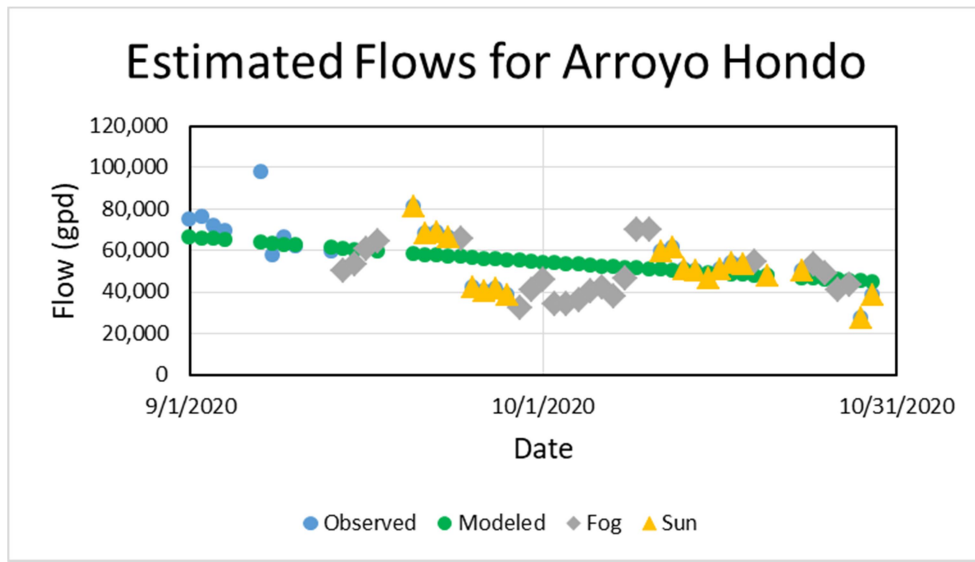
4. Updated Models:



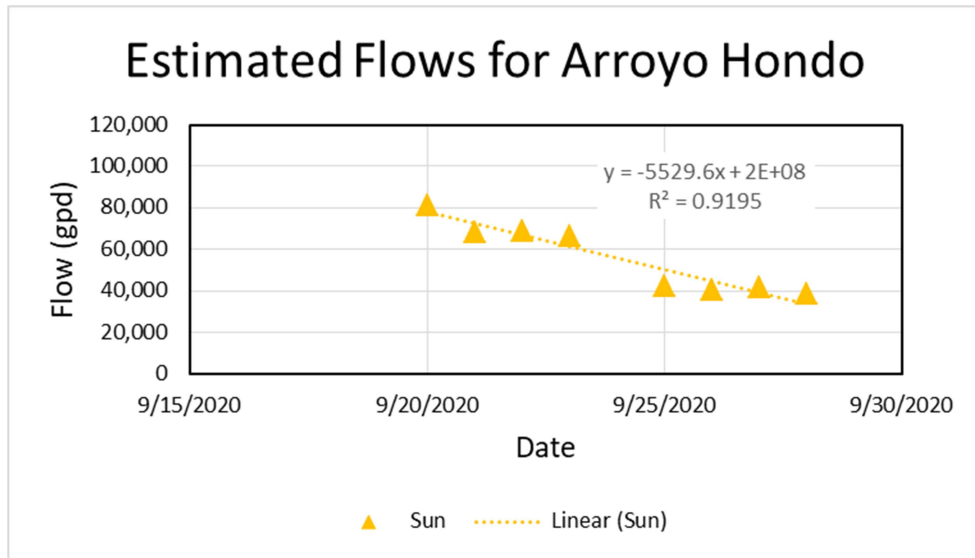
² In September, the highest 25 water users consumed between 400 and 1,700 gallons per day; as such, while the highest users are still quite high, reduced their consumption overall in October.

³ In September, more than 60 customers (including the top 25) used more than 300 gallons per day.





Creek flow appears to increase by as much as approximately 2,500 gpd when there is a run of foggy days during the dry season



Creek flow appears to decrease by as much as approximately 5,500 gpd when there is a run of sunny days during the dry season

