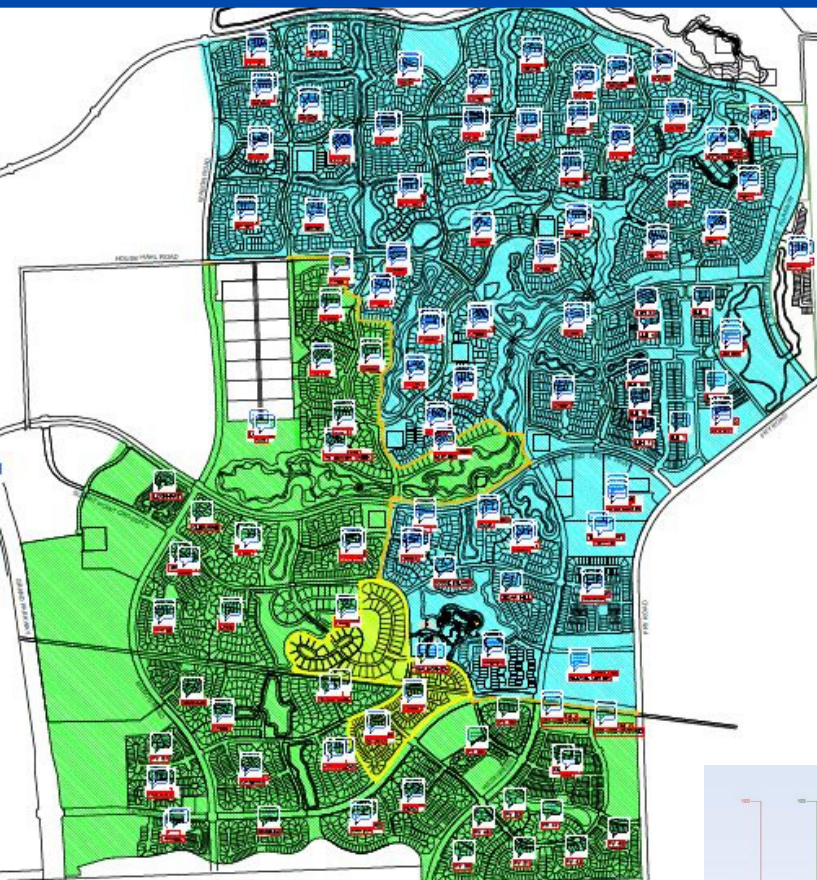


# Alternate Irrigation Days

## Here's Why



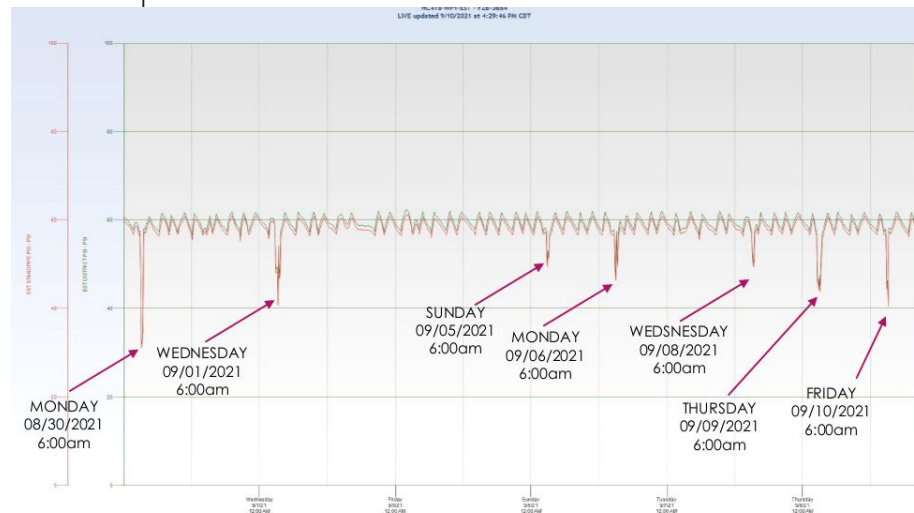
The Bridgeland MUDs currently operate under a split system design. The blue area, "North System," is supplied water from HCMUD 418 Water Plant No. 1 and feeds the majority of HCMUD 419 and a portion of HCMUD 489. The green area, "South System," is supplied water from HCMUD 418 Water Plant No. 2 and services the majority of HCMUD 489 as well as a portion of HCMUD 419.

The difference between the two systems lies in how the water is treated. Water Plant No. 1 utilizes surface water and groundwater, which must be treated with chloramines (free chlorine + ammonia). Water Plant No. 2 utilizes groundwater only and is treated with free chlorine.

Though the facilities have ample supply to satisfy demand, this assumes that water usage is linear. Issues arise when the demand is placed on the supply all at one time. Primarily, in the morning hours on Monday, Wednesday, and Fridays. Based on the daily usage data from Water Plant facilities, compared to the daily inflow data going in to the Wastewater Treatment facility, we can conclude that the majority of this usage is related to water used for irrigation. When the majority of Bridgeland homes irrigate on the same schedule, Ground Storage Tank levels and water pressure drops significantly. This also creates a potential threat to fire fighting capabilities.

**Even Numbered Addresses:**  
**Between midnight and 4am on Monday, Wednesday, and Friday.**

**Odd Numbered Addresses:** **Between midnight and 4am on Tuesday, Thursday, and Sunday.**



The chart on the right demonstrates storage and pressure levels from Summer 2021. Two changes from Summer 2021 include the addition of an Elevated Storage Tank at Water Plant No. 2, and the addition of an offsite groundwater well. Though the new facilities have relieved stress on demand and so far kept Bridgeland from reaching drought contingency triggers, an easy way the community can take an active approach in helping the water systems that work hard to meet daily needs, is by alternating irrigation days based on the schedule to the left.

For more information, please visit your HCMUD website: [hcmud419.com](http://hcmud419.com) or [hcmud489.com](http://hcmud489.com)