

General Project Information

Bond 2023

Project: Campus Water Softener Replacement

Project Description: District-wide replacement of water softener systems at the following campuses:

- Alexander Elementary (RAE)
- Beck Junior High (BJH)
- Beckendorff Junior High (BDJH)
- Cardiff Junior High (CJH)
- Cinco Ranch High x3 (CRHS)
- Cinco Ranch Junior High (CRJH)
- Creech Elementary (SCE)
- Education Support Center (ESC)
- Exley Elementary (JEE)
- Franz Elementary (FES)
- Griffin Elementary (MGE)
- Hayes Elementary (JHE)
- Katy High (KHS)
- Katy Junior High (KJH)
- King Elementary (RKE)
- Mayde Creek Elementary (MCE)
- McDonald Junior High (MDJH)
- McMeans Junior High (MMJH)
- Mayde Creek High (MCHS)
- Morton Ranch High x3 (MRHS)
- Morton Ranch Junior High (MRJH)
- Randolph Elementary (JRE)
- Rylander Elementary (RRE)
- Schmalz Elementary (SES)
- Seven Lakes High x3 (SLHS)
- Seven Lakes Junior High (SLJH)
- Shafer Elementary (FPSE)
- Taylor High (THS)
- Tompkins High x2 (OTHS)
- West Memorial Elementary (WME)
- Williams Elementary (JWE)
- Wilson Elementary (TWE)
- Wolman Elementary (RJWE)
- Wood Creek Junior High (WCJH)

Background & Justification: Water softener systems currently reside in almost every facility in the district where domestic water is used for the preparation of food and student athlete showers. Each system is upstream from the domestic hot water boilers that heat water for the kitchen and locker rooms. The boilers and kitchen equipment need the hard water reduction that the water softeners provide in order to reach their required life expectancy. The water softeners in use at these facilities are over 10 years old and are typically the original system or a heavily modified/repaired version of the original. The materials, mechanisms, and control technology have significantly improved for these systems that spend their life span in a caustic environment. The replacements are necessary to mitigate maintenance costs and down time for these water softener systems. This equates to manageable prevention plans for all downstream kitchen equipment, boilers, and plumbing fixtures.