

SRP PROJECT of the MONTH

VIRGINIA RANDOLPH HIGH SCHOOL

Virginia Randolph High School's Main Academic Building in western High School was recently renovated. New Mechanical, Electrical, and Plumbing systems were installed as well as new finishes, ceilings, and windows. The new Mechanical system installed was a water source heat pump system. A dedicated outside air system was also installed to provide neutral temperature air to all of the classrooms. The heat is provided to the system through a new boiler plant that was installed to also serve the entire campus. The existing steam boilers and heat exchangers were removed and a new hot water system was installed using multiple high efficiency boilers to match the loads and obtain the best efficiencies. Removing the two large steam boilers, not only allowed for plenty of space for the four new boilers, but also for new heat pumps as well.

Before and after pictures are shown below.

Original Firetube Boilers



New Modular Boilers



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