



## *Green YMCA - Water Heater Replacement*

HEI Engineering Group completed an emergency domestic water heater replacement for the Green YMCA in Green, Ohio.

The YMCA had a storage tank fail and their locker room showers were left without hot water. HEI Engineering Group was able to design a system and create bid documents within two days to expedite bids.

The existing system consisted of two 350,000 btu boilers and a 460 gallon storage tank. HEI designed a system using two A.O. Smith Cyclone 300,000 btu high efficient water heaters and a 175 gallon storage tank. The system was designed with bypass valves in case any of the components would require maintenance or in case of failure, the YMCA could still have domestic hot water. The installing contractor worked evenings and Easter weekend to complete the project as quickly as possible. Within two weeks from start of design, the system was installed and operating.



New Water Heaters



New Storage Tank



One of the Old Boilers