

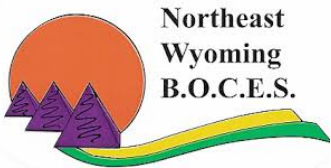


Owner
Sweetwater School District #1

Contract Type
Disinfection

Contract Amount
\$123,000

Number of Fixtures Replaced
65 Air Handler Units



SWEETWATER SCHOOL DISTRICT #1 Rock Springs, Wyoming

School Deploys UVC in Ductwork in 16 Buildings

CHALLENGE

Sweetwater County School District #1 is a public school district based in Rock Springs, Wyoming. Dan Selleroli, Director of Facilities was tasked with providing air disinfection in 15 schools as well as a Transportation Center. UV-C systems can be installed either directly in an HVAC air handler (induct) or as a stand-alone unit, such as in a room's upper air zone. According to ASHRAE research, both methods can inactivate infection-causing microorganisms. The buildings have a total of 66 Air Handler units. With the onset of COVID-19, lead times for UVC systems were rapidly increasing, so time was of the essence.

SOLUTION

UVC disinfection has been in use in medical facilities since the 1930s. It has been acknowledged as deactivating the SARS-CoV-2 virus that causes COVID-19 by both the scientific and medical communities. Dan was able to provide information on his AHU's to allow the FSG team to specify the needed equipment. Both 2 lamp and 4 lamp duct mounted units were used, in some cases in built-up banks. The specified fixtures are designed for easy access lamp changes that do not require un-mounting the housing from the duct. Lamps produce no ozone or secondary contamination.

RESULT

The new system improves indoor air quality (IAQ) by reducing bacteria, viruses, and mold that either grow or pass through the air handling systems. In addition to addressing present-day concerns over COVID-19, these systems will reduce the risks of cold, flu, allergies, and other illnesses for years to come.

