

CSU Moby Arena Spotlight

Location: Fort Collins, CO, United States

Main Benefit: The 8,000+ seat basketball arena and pool is now using 50% less energy than it was prior to the system renovation

Products: TruClimate 500 modular chillers with 6-pipe standard header racks, bypass headers, bank controllers and supervisory controller.

COLORADO STATE UNIVERSITY GOES GREENER

Moby Arena is a multi-use, 8,083-seat arena located on the campus of Colorado State University (CSU). When CSU decided to change the nearly-60-year-old facility to make their campus more environmentally friendly, WaterFurnace was happy to help. “CSU has a central plant system that’s basically campus-wide. They wanted to take Moby Arena off that system, so they could gain that capacity for other buildings,” says Justin Dunkin of CFM Company in Denver, Colorado. “Also, they’re a very forward-thinking university, so they wanted a geo system because of the environmental impact and the efficiency of it.”

READY FOR ZERO TO 8,000+

WaterFurnace equipment was the ideal solution to Moby Arena’s unique needs. “The arena has either zero people or thousands inside at any given time,” says Cara Commarato of CFM Company. “We needed a system that could accommodate all of those swings in load, and the chillers are doing great.” The modularity of the units was key. “The equipment is in mechanical rooms that originally held just the heat exchanger and some pumps. They’re not very big rooms at all,” says Dunkin. “So with the size restraints of the mechanical room, a modular solution was really the only way to go.” Reliability was also considered. “Another benefit is if one module fails, you’re not completely offline,” adds Commarato. “You can easily maintenance it while the other units keep working.”



WaterFurnace’s TruClimate 500 modular chillers have helped CSU Moby Arena cut its energy usage by 50%.

THE WATERFURNACE ADVANTAGE

“CSU tried to keep usable pieces of Moby Arena’s heating and cooling equipment and replace those that needed it,” says Commarato. With this end goal, the ability of WaterFurnace’s equipment to easily integrate into an existing system was highly valuable. “WaterFurnace’s product is great. They think of things that other manufacturers don’t when it comes to maintenance and the quality of the parts and pieces,” she says. “Pre and post-sale, the WaterFurnace team is always there to help.”