

Salt Lake Community College

Education

The Challenge

Ten different campuses make up Utah's largest college, Salt Lake Community College. One campus, the Jordan Campus in the Salt Lake Valley, is a central location for the Health Sciences Center and allied health programs, and it serves as home to the school's baseball team. This campus includes, in addition to the baseball field, six buildings that support over 4,200 students.

In 2018, the Salt Lake City Community College facility and campus administrators sought to address energy-related challenges and costs. Key issues presented themselves during the summer, when the heat load is minimal and there are campus-wide cooling necessities. An inefficient use of two large boilers and the expensive power rate for electricity during peak demand are two of these issues.

Working with Capstone partner Horizon Power Systems, the campus installed a highly efficient Combined Heat and Power (CHP) system to provide reliable power to the 277,110 square feet of facilities. The new system will not only stabilize energy spikes and save money, but also provide lower emissions and allow excess electricity produced on-site to return to the utility.

Power Profile

Customer

Salt Lake Community College

Location

Jordan, Utah

Commissioned

March 2019

Fuel

Pipeline Natural Gas

Technologies

- 2 C65 Microturbines

Capstone Green Energy Distributor

Horizon Power Systems



Since Salt Lake Community College has installed the 2 Capstone Turbines, we have seen a significant reduction in kW demand which was the purpose of installing these units."

— Mike Peterson, Energy Manager
Salt Lake Community Manager



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for a Cleaner Future**