PROJECT LOCATION

School of Medicine Neighborhood

PROJECT DESCRIPTION

This project will provide increased capacity of chilled water and emergency electrical power, and expand the distribution of primary electrical power to the West Campus.

It consists of 2 phases. The first phase is construction of a 4,050 square foot generator building to house four 2,000KW generators, 5,615 SF switchgear/equipment room, and fuel tank. Two 2,000KW generators and associated paralleling gear/switchgear will be provided under this phase.

The second phase is construction of 8,780 SF chiller facility to house four chillers and cooling towers yard. One chiller and one cooling tower will be provided under this phase and provision for future equipment. This facility will provide emergency power to the existing Skaggs Pharmaceutical Sciences Building, Biomedical Research Facility 2, and Central Research Services Facility. The cooling system will be tied to the campus chiller loop to provide cooling capacity to various facilities throughout campus. The two projects will be designed, bid, and constructed concurrently.

PROJECT PURPOSE

A reliable energy delivery system with sufficient capacity is critical to not only support the campus’ growth but to also provide redundancy in case of a failure in another segment of the energy system. The proposed project would provide support to existing and future facilities by expanding the campus’ emergency power system capabilities through the installation of backup generators and associated electric switchgear, as well as, accommodate the campus’ increased demand for chilled water (used to cool buildings and equipment).

PROJECT COST

$17 million

FUND SOURCE

Non State funds

CURRENT PHASE

Design Phase

COMPLETION DATE

Fall 2017

ARCHITECT/ENGINEERS

Hanna Gabriel Wells/ P2S Engineering

Note: Capital projects develop over time, therefore the information on this project sheet is likely to change over time. For the latest information and data please contact Community Planning at commplan@ucsd.edu