



University of California
San Francisco

University of California San Francisco New and Existing Buildings Commissioning

Managing Partner Maric Munn in former role as Director of Facilities, UCSF

PSSRB Retro-Commissioning Project

85,770 square foot research building
UCSF Parnassus campus
May 2016

Project involved installation of submetering to quantify total building electrical, gas, steam and chilled water use and patterns. Optimal ventilation, heating and cooling requirements for each area were determined with

consideration for space type. The controls system was then reprogrammed to optimally meet those needs and occupancy sensors installed to reduce ventilation during unoccupied times.



The project had verified energy savings of 1,440 MWh, or approximately \$218,000 in utility cost savings per year (for electrical, chilled water and steam), which were three times greater than initial project estimates. The project won a Best Practice Award at the California Higher Education Sustainability Conference in 2016.



Cardiovascular Research Building

New Construction Project

236,000 square foot research and classroom building
UCSF Mission Bay campus
May 2016



The building achieved LEED Gold Certification for its innovative HVAC and controls. The LEED enhanced commissioning point was also attained through collaborative Owner's Project Requirements (OPR), robust equipment acceptance testing, submetering and validation of efficient operations using BAS Trends.

