

## Mission College Data Center Project Description

The project site is located at 2305 Mission College Boulevard within the City of Santa Clara. The project would include construction of two, three-story data center buildings encompassing a total square footage of 490,000, and a backup generating facility with a generation capacity of up to 78.1 MW to support the need for the MCDC to provide uninterruptible power supply for its tenant's servers. The generation facility would consist of 43, 2.5-MW diesel-fired emergency backup generators, arranged in two generation yards, each designed to serve one of the two data center buildings with backup power and redundant backup power. Project elements would also include switchgear and distribution cabling to interconnect the two generation yards to their respective buildings. Two house power diesel fired generators, each capable of generating 600 kilowatts (kW) to support its respective building phase in an emergency, are also proposed. The MCDC would be supplied electricity by Silicon Valley Power (SVP) through a new distribution substation constructed by Oppidan in the northeast corner of the MCDC site and to be owned and operated by SVP.