

Environmental Protection Agency Region IX Laboratory Richmond, California

Client: Wareham Properties Management
San Rafael, CA

Scope: 50,000 sq. ft. Laboratory

Budget: \$1 million Construction Cost

Completion: 2001

The project included retrofit individual fume hoods to a manifolded VAV system, boilers replacement and addition of the cogeneration system.

The building contains primarily laboratory space and offices for the EPA. The laboratory building runs 24/7 with a constant volume HVAC system. Based upon a DOE2 energy simulation, \$80,000 in energy savings will be realized by the improvements made. Change the constant volume lab fume hood system to VAV. Replace the single boiler serving the facility with 2 efficient boilers. Add a cogeneration unit utilizing heat recovery for space and domestic hot water heating.

