

Environmental Protection Agency Region IX Laboratory Richmond, California

Client: Wareham Properties Management
San Rafael, California

This 50,000 sq. ft. project involved the retrofit of individual fume hoods, boiler replacements and the addition of a co-generation system. The building contains primarily laboratory and office space for the Environmental Protection Agency (EPA).

Scope: 50,000 sq. ft. Laboratory

The constant volume lab fume hood system was changed to a manifolded VAV system. A single boiler serving the facility was replaced with two high-efficiency boilers. Finally, a cogeneration unit was implemented, utilizing heat recovery for space and domestic hot water heating.

The laboratory building is in operation 24/7 and utilizes a constant volume HVAC system. Based upon a DOE2 energy simulation, \$80,000 in energy savings will be realized by the improvements made.

