

HVAC Assessment Report

Project Name **San Mateo Foster City School District HVAC Equipment Assessment**

Beresford ES

Currently, most of the classrooms are served by rooftop package units (RTUs), with gas heating and electric cooling.



The LGI (Large Group Instruction) buildings remaining 6 sites are served by 3 rooftop packaged units (RTUs). These RTUs are gas-fired heating units with electric DX cooling.

In some cases, the RTU package unit has VAV boxes for zone controls (for air flow only, and not for reheat).



Inside view of LGI building.

The LGI building is served by rooftop packaged units (RTU) similar to other LGI buildings at other schools.



(F) Rooftop Packaged Heat Pump (All-electric)

There is no gas connection to these units.
Heating and cooling are provided by the same
compressor inside the unit.

Audubon ES



Sunnybrae ES Library

The Library Building is served by rooftop heat
pumps.



(G) VRF Heat Pump (All-electric) Outside Unit

Some of the Administration buildings which were recently constructed or renovated already using this kind of system.

Fiesta Garden ES

Foster City ES



Inside Units



(H) Heating Ventilation Unit with cooling coil



Some MPR rooms are served by 2 furnaces with supplemental supply (or return) fans.



MPR Building has two heating ventilating units

Beresford ES



(I) Heating Ventilation Unit with Cooling Coil

This is a large roof mounted Heating Ventilation unit with cooling coil inside the unit. Cooling coil is connected to separate condensing unit on the roof. Condensing unit is in operation when mechanical cooling in operation.

(Foster City ES)



(J) Furnaces

(College Park ES)

These furnaces are located in a furnace/mechanical room.



Abbott MS

The Media Center-Library Building already has air conditioning: Split system (4 furnaces and cooling coils in attic) and 4 condensing units on the slab.



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(K) Boiler

(Abbott Middle School)

This is one of the sites that still has a working boiler and hydronic system. This system still serves the old gym building. Most facilities in this building do not have Air Conditioning.



(L) Split System (All-electric)

Two classrooms have split system cooling units not shown in record drawings.

These 2 classrooms also have furnace enclosures separate from the split units.



Some of the spaces in this building have split system HVAC equipment with cooling. Condensing units are shown in the photograph.

(Abbott Middle School)

