



PIEDMONT

UNIFIED SCHOOL DISTRICT

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May 1st, 2024

Piedmont High School and Piedmont Middle School- HVAC Project Scope of Work

Bid Due date: Tuesday, May 21st, 2024, 2pm

Refer to the following PUSD link for all plans, specs and contract documents:

<https://www.piedmont.k12.ca.us/ref/facilities>

PHS- 30's bld Base Bid #1, HVAC replacement.

Refer to Plan Sheets AA201 & MA230 Base Bid #1:

Remove the (4) existing gas/package units, safe-off gas to 4 units
Demo (4) split system roof top condensers
Demo (4) gas fired furnaces located in rooms 201, 202, 208, 209
Demo (4) flues and intakes and recover R-22 refrigerant
Install (4) new packaged heat pump units with economizers & Pearl Controls tagged AC-1, 2, 3 & 4
Install (4) new outdoor heat pump condensers tagged CU-5, 6, 7 & 8
Install (4) new indoor heat pump units with Pearl economizer controllers for fresh air

PHS- 30's bld Base Bid #2, OA Ventilation System.

Refer to Plan Sheets AA201 & MA230 Base Bid #2:

Furnish and install one inline supply air fan, ductwork, and GRD's
(provides fresh air ventilation to (7) classrooms and 7 relief ceiling transfer grilles)
Provide and install (1) 30"x30" ceiling access door for the installation of the supply fan,
(includes a filter box with 2" MERV 13 filter)
Provide and install (1) variable frequency drive, and Pelican PM5 communication controls

PMS- 500 bld Base Bid #3, HVAC replacement.

Refer to Plan Sheets M1.1, M2.0, M2.1, M2.2, M3.0, M4.1, M4.2 & M4.3 Base Bid #3:

Upgrade to the existing rooftop HVAC equipment, including (3) indoor fan coil units for the 500 Bldg. Gym.

Demo existing and install 4 new packaged heat pump units with downflow curb adaptors for AC-7, 9, 11, and 12.
Demo existing and install 2 packaged heat pump units for AC-8 and AC-10.
(configured with horizontal discharge curbs for both supply and return)
All packaged units will be furnished with a Pearl Economizer, including two heat pump make-up air units tagged MU-1 & MU-2 with 100% outside air.
Demo existing and replace three condensers and furnaces with outdoor heat pump split systems tagged CU-2, CU-3, and CU-4 and add (3) new outside air dampers and Pearl economizers for the (3) new ducted fan coils.

Included will be crane service (2 mobilizations to accommodate separate PUSD driven 500 bld roof replacement work), refrigerant recovery, new refrigerant piping with 410A refrigerant, low-voltage hookups, start-up and 1-year labor warranty.