

Palmer High School Feasibility Study for adding building cooling.

The scope of proposed work is to provide a feasibility study evaluating multiple options to implement energy-efficient HVAC technologies for the existing High School Campus of Palmer high school to include the main building at 301 N. Nevada, Erps gym building at 325 N Wahsatch Ave, and the Aux girls gym on Boulder. Types of HVAC environmental conditioning systems to evaluate include, but are not limited to, direct expansion Units, chilled water units, ground-source heat pumps, or combination thereof. Study is also to include an audit, survey, assessment of existing electrical systems, and life cycle costing, and design costing for the chosen option.

Asbestos need to be factored in for abatement where it has been identified and impacts the project for costing.

Palmer School main is approximately 276,000 square foot facility that was constructed in 1939 with several additions constructed through 2007. Erps building is approximately 56,000 Square feet.

The winning bidder will be provided a flash drive with all cad files and prints that we have for the buildings.

Feasibility Study Services:

The scope of work included in this proposal includes the following tasks outlined in the RFP:

1. Conduct kick-off meeting with D11 Project Manager, and District Energy Manager;
2. Provide meeting minutes to establish study parameters and design types.
3. Perform detailed survey and energy audit of existing Data Center
4. Assess existing electrical system bonding and grounding;
5. Evaluate CHW (chilled water) option
6. Evaluate different DX (direct exchange) options
7. Evaluate GSHP (ground source heat pump) option
8. Estimate first cost for options (program level probable opinion of cost estimates);
9. ~~Annual energy cost calculations based on 8760 hour analysis;~~
10. Calculate ROI for options with a baseline
11. Life Cycle Cost Analysis (NIST)
12. Evaluate maintaining challenges