

Building Renewal Grant Application

Initial Submission Date: 10/5/2012 12:46:56 PM

Application ID: 318

Resubmittal Date: 11/28/2012 1:34:01 PM

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Peoria Unified District
Superintendent: Dr Denton Santarelli
Contact Person: Edward Gillam
Contact Phone Number: 623 486 6175
Contact Email: egillam@peoriaud.k12.az.us
School Site: Desert Harbor Elementary School
Buildings:

1001	C
1002	A
1003	B

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

This was the district's last new campus to be constructed using roof top package HVAC units. The campus was opened for use in 1995 and the units have been in service 17 years. This school has been used almost year round since its opening. The units are now having frequent failures in compressors and motors. The units are low in efficiency ratings and are struggling to maintain the set point ranges on most hot days. Units are being programmed to come on earlier to help ease the demand but rooms are not being maintained once the cooling is lost. The units also have no CO2 management controls. The campus suffered from a major mold concern three years ago from the shared air return system. Areas were cleaned and the entire campus was recarpeted due to the cross contamination. The return air system needs to be replaced with a fully ducted return to minimized future problems.

There are approximately 65 HVAC units on the roofs. With the major duct system changes required for the return system, one option may be to review a central plant application and replace hvac units with internal fan coil units. Attic space does not appear to be a concern. HVAC replacement units estimated at \$500,000. HVAC duct work at \$250,000 Upgrade EMS to fully controlled system \$125,000. Central Plant estimate would be in the \$750 to \$1 million depending on efficiency and piping cost.

Project Category: HVAC

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

12/7/2012 4:38:12 PM

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Current unencumbered building renewal fund balance (Fund 690):	\$0.00
Amount of Local funds planned for this project	\$50,000.00

Please outline any associated insurance coverage.

Campus was part of district wide audit. HVAC package units noted as past normal life cycle. Replacement of units part of future bond program if passed in November 2012. Any consideration toward funding change out or change over would be helpful. The district went through a cycle of rapid growth from 1995 to 2005. Many of our campuses are approaching this 15 to 20 year life cycle. Local funding can not keep up with the repairs and replacement cycles needed for the facilities.

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193

Superintendent Printed Name

Superintendent Signature

Date