

**Purchase Request #1
Regular Board Meeting March 22, 2016
Consideration of Approval to Purchase
Split System Upgrades and Replacements**

ADMINISTRATION RECOMMENDATION/REPORT

The District President recommends the Board of Trustees approve the split system upgrades and replacements from 3D Mechanical Service Company, Inc. for the Courtyard Center and Preston Ridge Campus.

BACKGROUND

The existing 5 ton Liebert system at the Courtyard Center ensures that the server room maintains adequate temperature for proper operation of equipment. The current system is thirty (30) years old. At the Preston Ridge Campus Library the existing 2.5 ton Carrier unit #1 keeps the elevator machine room in the Library cool during the summer months. The current unit is twelve (12) years old and has a bad compressor. The existing 3.5 ton Carrier unit #2 keeps the electrical room in the Library cool in the summer and warm in the winter. The current unit is twelve (12) years old and has high amp readings on the compressor which is an indication of its impending failure. All three (3) units utilize R-22 refrigerant, which is no longer manufactured.

An invitation to bid (ITB) Number 3927, was issued to procure split system upgrades and replacements. Two (2) responses were received and evaluated by the Courtyard Center and Preston Ridge Campus Facility Plant Operations Managers who determined the bid submitted by 3D Mechanical Service Company, Inc. would provide the best value to the College. The bid submitted by 3D Mechanical Service Company, Inc. was determined to be both responsible and responsive to all solicitation requirements.

IMPACT OF THIS ACTION

Replacing the 5 ton unit at the Courtyard Center campus with an 8 ton system will increase the overall capacity of the cooling in this area. Replacing unit #1 at the Preston Ridge Campus Library will ensure that equipment located in the elevator machine room, including the oil, is kept at the correct operating temperature for continued operation of both elevators in the library. Replacing unit #2 ensures that the electrical switches, breakers, and the transformer are kept at an acceptable operating temperature to prevent overheating and possible electrical failures or fire hazards. All three (3) systems will be utilizing R410a refrigerant, which is environmentally friendly and makes the systems more efficient.

BUDGET INFORMATION (INCLUDING ANY STAFFING IMPLICATIONS)

The estimated expenditure is \$43,256.97 for Courtyard Center and \$15,860.75 for Preston Ridge Campus for a total of \$59,117.72. This expenditure is funded by the Courtyard Center and Preston Ridge Campus Facility Plant Operations 2015-2016 Renewal/Replacement budget.

MONITORING AND REPORTING TIMELINE

The split system upgrades and replacement at both campuses are scheduled to begin April 25, 2016 and be completed by April 29, 2016.

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ATTACHMENTS

Attachment 1 – Tabulation

RESOURCE PERSONNEL

Ken Lynn	Acting VP of Administrative Services/CFO	972-758-3831
Ed Leathers	Executive Director of Facility, Constructions and Grounds	972-881-5142
Cindy L. White, CPPO, CPPB	Director of Purchasing	972-758-3871