

BDC 2011-12

Computer Lab Room Temperature Control

Summary:

The server in the computer lab generates a lot of heat which causes the temperature in the lab to rise above 85 degrees on some days (Fall-Spring). This would be a project to determine whether the server needs to be moved to another area, or whether some modification can be made to the cooling and heating system for the lab room.

Description

This would need an IT staff member and a heating /cooling facilities person from the college to explore options and associated costs. We are thinking that the server can be moved to an upstairs area, but need this confirmed by IT because the upstairs areas in a storage area with minimal year round heating and cooling.

Questions and Answers

How is the initiative linked to the Unit Plans most recently submitted?

1. How does it continue the achievement of those goals?
2. If this is a continuation of an initiative started last year, make sure that relationship is clear.

How is this initiative linked to the efficiencies and productivities plans you had last year?

1. How does it continue the achievement of these plans?
2. If this is a continuation of an efficiency or productivity plan started last year, make sure that relationship is clear.

This would allow the computer lab to be used in a more productive manner, and allow for increased use of the room from the fall to the spring (in the summer the building chiller is running and the room can be cooled to temperatures in the 70's. There is also an issue of building security that is discussed later.

Describe the resources needed:

The initial study to determine the best solution would take approximately 4 hours of time by an IT Staff member and a heating/AC facilities staff member at the college. Total cost for solution determination would be \$200. A server move would probably take another half day of IT staff member work or \$100. Any heating/AC project work cost is unknown at this point in time.

What specific measurable program outcomes do you expect to achieve with this initiative? The outcomes should be specific enough to be measurable. Also, outline the method that will be used to determine the results.

Increased use of the lab during the school year. Specifically there would be close to 3 more classes offered per term (Fall, Winter, and Spring) with 20 students per class. This project would serve an additional 180 students per school year and generate an additional 1-2 FTE. A side benefit to this project would be increased building and classroom security since now the outside doors to the lab are propped open to allow cooling from outside air. This allows people to walk into the classes from the street during the day and evenings, and these doors have been found still propped open by security personnel when they are making their rounds in the late evening.

Department Priority:

HIGH

Unit Resources:

We will use our building budget to help split costs on any major heating/AC work that is deemed necessary.

Funding Request: Carl Perkins

Funding Request: Curriculum Development

Funding Request: Technology Fee

1. Category of request

- **Maintain existing technology**
- **Increase student access to technology**
- **New technology**

Please type in the category of the request in the field below.

Increase student access to technology, maintain existing technology

2. Campus location

- **Main Campus**
- **Downtown Center**
- **Florence**
- **Cottage Grove**
- **CLC (list specific locations)**

Please type in the location of the request in the field below.

Wildish Building Computer Lab

3. Names of the person(s) with more information (if needed):

Jim Lindly, Rhonda Johnson, and Shirl Meads

4a. Budget ORGN

480020

4b. Budget PROG

150000

5. How many students will benefit per year?

180 new students, plus the many existing students that are working in an uncomfortable and warm computer training environment.

6. Describe the benefit?

Serving more students (approx. 180 per year) and generate additional revenues of approx. \$18,000 per year). This project should create a much better learning environment, provide a safer and more secure classroom, and put less stress on the computer equipment that also degrades in a warm environment.

COMPUTER HARDWARE \$

COMPUTER SOFTWARE \$

STAFFING \$

200

INSTALLATION \$

100

LICENSING \$

Can this initiative be partially funded?

Yes

COMPUTER HARDWARE \$

(CH) Explanation of effect of partial funding:

COMPUTER SOFTWARE \$

(CS) Explanation of effect of partial funding:

STAFFING \$

\$100

(S) Explanation of effect of partial funding:

We were hoping to at most to split the staffing cost and then also split any major project work needed for facilities and the computer lab room heating/AC.

INSTALLATION \$

\$50

(I) Explanation of effect of partial funding:

If all that is required is a server location move within the Wildish Building.

LICENSING \$

(L) Explanation of effect of partial funding: