

FACILITIES NEEDS ASSESSMENT APPLICATION
Fall 2017

Name of Person Submitting Request:	TATIANA VASQUEZ
Program or Service Area:	BIOLOGY
Division:	SCIENCE
Date of Last Program Efficacy:	SPRING 2017
What rating was given?	CONTINUATION
Amount Requested (if available):	Unknown
Strategic Initiatives Addressed: Strategic Directions + Goals	Goal 6 – Facilities; 6.1 – Conserve resources; 6.2 – Maintain a safe and secure environment; 6.4 – Continue with facilities improvement plan Goal 2 – Student success; 2.5 - Improve performance; 2.6 - Increase student success

NOTE: To facilitate ranking by the committee, submit separate requests for each project; however, multiple items can be submitted as one request if it is required that the projects are packaged together.

You are required to meet with Robert Jenkins--Director, Facilities, Maintenance, & Operations--prior to submitting a Facilities Needs Request. 909-384-8662 or rjenkins@sbccd.cc.ca.us. Please provide the date of your meeting:

October 12, 2017

Capital Improvement

Repair

Brief Statement of Request:

This request is to replace the current lighting serving our large lecture rooms, HLS 134 and HLS 135. These lecture areas have a capacity of 51 students per room. They serve students in Biology, Chemistry, Humanities, and other departments across campus. Each room has extremely reduced illumination.

Are there alternative funding sources? (for example, Department, Budget, Perkins, Grants, etc.)

Yes NO X

If yes, what are they? _____

1. Provide a rationale for your request. (Explain, in detail, the need for this project.)

There are practically four views that students/staff require: in front of the room to the whiteboard; across seating areas for conversation; path/aisles for walking between seats; path to exit doors. All of these areas are barely lit. Imagine the class taking place in a movie theater when the movie is playing; both day and night classes are affected, and although the room lights are on, the theater/classroom remains dark. These are unacceptable conditions

for safety and learning. We are trained to evacuate to fully lit sites, but do not consider the need of safety before exiting the lecture rooms.

For areas that require safety and frequent visual tasks, the standard recommended is at 50-100 foot candles. In comparison, PS classroom areas are near or pass 100 foot candles. HLS 134&135 is at or below 25.

These are teaching environments where we are visually challenged for reasons that can be fixed. Moreover our aging staff and students, and disable students are greatly subjected to these difficult learning conditions. Safety and learning performance have been compromised for too long in the HLS 134 &135 rooms. This request aims to improve safety of all employees and students. The fact that students must use phone screens or phone flashlights to get better visuals of different areas in the room or view their written work or textbook is unacceptable.

2. Indicate how the content of the department/program's latest Efficacy Report and/or current EMP supports this request and how the request is tied to program planning. (*Directly reference the relevant information from your latest Efficacy Report and/or current EMP in your discussion.*)

EMP (p. 2) Challenge: Poor lighting and sound issues in lecture rooms makes teaching difficult.

Program efficacy report (p. 6): Disable population 2.4% students in Biology; student maximum age 64; 50% of full-time faculty at retirement age.

EMP (p. 1) Growing number of sections offered. These usually are occurring in HLS 134 and 135 for lecture.

EMP (p.2) Increase student success in the classroom.

3. Indicate any additional information you want the committee to consider (*for example, regulatory information, compliance, updated efficiency, student success data, planning, etc.*).

Through proposition 39, California voters have decisively agreed that our school buildings need to be retrofitted; "to make sure these buildings meet the basic goals of providing safe and healthy learning environments" (Report Prop 39, focus.senate.ca.gov). Lighting in the classroom has measured effects in concentration and student engagement

(<https://www.osapublishing.org/oe/abstract.cfm?uri=oe-24-10-A907>;
https://www.huffingtonpost.com/entry/lighting-boost-learning-concentration_us_5720cb14e4b0b49df6a9b73e)

4. What are the consequences of not funding this facilities request?

- High risks to safety within the classroom while class activities take place.
- Lower well being of faculty and students; much less alert students and faculty.
- Diminish classroom activities and learning while in the classroom.
- Lower student success, performance while in the classroom.
- Lower student and faculty engagement while in the classroom.