
STOCKTON UNIVERSITY
ANNUAL

Please attach a copy of your original proposal olist your stated objectives and expected ocomes.

Please see atached below.

Please describe the results of your project and compare them to your original expectations. Elaborate on how well your objectives were met and how they might have changed. Note any particular obstacles that may have prevented your achieving full satisfaction on desired outcomes.

The equipment acquired through this grant meets or exceeds our expectations, both in terms of performance/utility and of those costs arising from installation and upkeep of the individual instruments in the inventory. The new instruments' capacity for producing specific colors of light on demand has virtually obviated the need for multiple installations of identical instruments, differing only in the-color generation expected of each, allowing fewer instruments to fulfill needs. And by extension, fewer

Are you recommending the continuation of this project? If so

- x What are the next action steps you foresee or recommend?
- x What are the expected budget requirements going forward?
- x Please identify the program, department, or division you should be working with to secure continuation of funding for your project

[Note: continuation proposals must be approved and incorporated into the appropriate budget process. This report will not constitute a request for permanent funding.]

Based on one year's

GreenLighting Initiative in the PAC
Mark E. Mallett & Daniel Wright
2020 Sustainability Project Proposal

Additional Details

Narrative

Assessment Plan

This project will involve replacement of the existing incandescent "General Illumination" lighting instruments in the PAC inventory with LED-based instruments. Specifically, the instruments to be replaced will include the sixty-three cyclorama lighting instruments (Cycs) and forty-eight PAR instruments currently used.

This project will assess three areas: (1) energy savings, (2) cost savings, and (3) student involvement and learning.

Energy Savings: The loggers installed to establish the base-line electrical-load data will remain in place, and data will continue to be harvested. The electrical loads drawn by these instruments will be monitored over the course of the project, which will enable us to provide clear and objective evidence of the direct energy savings resulting from the use of the more energy efficient LED lights.

Cost Savings: Beyond the energy savings, the LED instruments have much longer bulb lives, and no longer need color media other similar consumables. They will require less labor to use and maintain. An analysis of these related expenses will be performed at the end of the project by comparison the post-LED expenditures with the expenditures the previous (pre-L