

Response to Questions on the FY 2019 Budget

Request By: Supervisor Herrity

Question: Facilities: The lights in the Herrity Building are currently turned off at 7 pm during the week. What would the cost be of extending the hours lighting is provided to 9 pm? What would the cost be to retrofit the lighting with automatic light switches? Same questions with the Pennino building if applicable.

Response:

The building lighting systems at the Herrity and Pennino Buildings are operated through an automatic lighting control system scheduled to provide lighting for normal operations between the hours of 5:00 am and 10:00 pm at the Pennino Building and between the hours of 5:00 am and 10:30 pm at the Herrity Building. Local light switches control the lights between these hours. The lights are not scheduled to turn off at 7:00 pm; however, there could be a situation where a failure in a system component causes the lights in a specific area to turn off. These kinds of systems failures should be reported to the Facilities Management Department (FMD) in order to be fixed.

The estimated cost to operate all lights for two additional hours is approximately \$11,300 per year per building based on two hundred and fifty business days per year.

The Herrity and Pennino Buildings lighting operates through a legacy General Electric (GE) Lighting Control System. The existing GE lighting control system is approximately eight years old and the legacy relay technology does not provide the capacity or technology to add new additional motion detectors and/or sensors. The current system is no longer manufactured or supported by the manufacturer. The cost to replace the legacy system is estimated at approximately \$600,000 for each building.

The existing lighting control system manages multiple fixtures per relay; however, small areas such as conference rooms and enclosed offices can be removed from the existing lighting control system, and independent occupancy sensors can be installed to operate the lighting in these small spaces. The estimated cost is between \$300 and \$400 per light based on the cost of an installed occupancy sensor and the cost of reprogramming the existing lighting control system.