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**Final Report for 2022 Incentive Funding for the Michael C. Carlos Museum**

Project Title

Energy Reduction at the Carlos Museum with Motion Detectors for Overhead Lights

Project Team Members

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| **Name** | **Role** | **Email** |
| Jennifer Long | Project champion & grant coordinator | Jennifer.long@emory.edu |
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Amount Awarded & Total Amount Spent

$5,000 was awarded and $7,530 was spent on the project. The museum covered the $2,530 difference between the award and the total cost. The additional expense included the installation of additional sensors that were not included in the original project scope.

Brief Description of Project for the OSI website & communications

Despite everyone’s best effort to turn out lights after using common spaces, and despite reminder stickers on the light switches, lights were left on accidentally with some regularity in common spaces at the Carlos Museum. Now, thanks to Office of Sustainability Incentive funding, motion-detected sensors have been installed, eliminating the need to manually control lights in these spaces, and eliminating the need for staff to touch the light switches, (decreasing the exchange of germs). Lights are now on only when the spaces are occupied.

Staff anticipates that the use of motion-detected sensors will not only reduce energy use in the museum but also bring greater awareness to the need to conserve energy, perhaps changing the behavior of staff in their own homes or elsewhere on campus.

Objective

To reduce energy use at the Carlos Museum through the use of motion-detected sensors for overhead lights in common staff areas including bathrooms, the conference room, board room, kitchens (2), and shared mail/copy room. Some of these spaces also serve the broader Emory community and the general public during educational programs or when in use as facility rentals. Some bathrooms are shared by the public and staff at all times.

Results & Lessons Learned

Lights are now on only when the spaces are occupied. Timers may need to be adjusted in some spaces that are occupied for only a few minutes at a time, such as individual bathrooms and breakrooms.

Photos

These photos show the motion sensor on the wall in each of the spaces included in this project.









