

Biosafety Cabinet Replacement Program



Background

As a research-intensive university, the University of Calgary must be compliant with laboratory safety regulations, including all aspects of installed laboratory safety equipment. This is a critical risk management accountability.

Priority replacements

This program enables replacement of approximately 120 biosafety cabinets (over 40% of the university's total inventory) over a four year period. Replacements will be prioritized based on industry standards for the reasonable and safe life cycles of the equipment. Those biosafety cabinets that are fifteen years or more of age are identified as highest priority.

Safer and more energy efficient

Newer biosafety cabinets provide superior containment, resulting in safer research and teaching environments. These cabinets also have improved serviceability and up to 70% less energy consumption than older models. Older cabinets are more difficult to service or repair due to electrical and mechanical changes, or the inability of suppliers to secure parts on an ongoing basis.

Program delivery

The budget, deliverables and funding criteria are established by representatives from Capital Renewal, Campus Engineering and Environment, Health & Safety, with input from stakeholders. Communication with the Principal Investigator and lab personnel is made to assess the site condition, discuss schedule and review installation process of the four foot replacement models. Decontamination, removal, installation and certification costs are covered by the program. Annual recertification costs will continue to be borne by Environment, Health & Safety. Once installed, filter changes, maintenance and service costs will continue to be the responsibility of the Principal Investigator. The Principal Investigator is responsible to train workers in the proper use of the equipment and document such training on the [Laboratory Health and Safety Orientation and Training Record](#).

Sincerely,

Nam Luu

Project Manager, NCLUU Project Ltd.
403.809.9505 nluu@ucalgary.ca

Eoin O'Grady PhD

Manager, Occupational Health & Safety (Foothills & Spyhill
Campuses) and University Biosafety Officer
403.220.7509 biosafety.officer@ucalgary.ca