

UofW Richardson College for the Environment Development



Project Summary

Integrated Designs are working with the University of Winnipeg Community Renewal Corporation to develop one of North America's most sustainable and energy efficient college laboratory buildings. This project will set a new benchmark for university lab facilities by implementing integrated standard operating procedures, green laboratory practice, multi-level red-yellow-green lab operating modes and industry leading heat recovery technology to achieve a 65% reduction in operating costs and a LEED Gold + level of sustainability.



Scope of Services

Integrated Designs are the Owners Representative, Sustainable Consultant and Commissioning Managers for this \$50M high profile project. The Integrated Project Delivery process has been adopted to optimize the project with the goal of achieving LEED Gold a minimum of 65% less energy use for very little if any additional capital cost as compared to a project delivered using a more traditional design-tender-bid process.

Project Highlights

Lloyd Axworthy, President and his development team are totally committed to achieving a sustainable competitive advantage by demonstrating leadership in sustainable university development.

Working with an organization that is totally committed to achieving a sustainable, successful, high performance and cost effective College Laboratory Project.

Deliver a new fully integrated design that will set a new design standard for laboratory buildings.

Development of fully integrated standard operating procedures enabling the adoption of an industry leading heat recovery wheel that enable heat recovery on fume hood exhaust.

Implementation of a three-mode Red-Yellow-Green light lab airflow control strategy that provides safe and efficient operation for various lab-operating modes.

Implementation of a high level of Owner Involvement during the design and commissioning phases to establish buy-in and commitment for achieve industry leading laboratory operations.