



LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED) DAYLIGHTING POLICY AND PROCEDURES

Purpose

To ensure the LEED standards regarding “daylighting” (as originally designed for the University of Saskatchewan Health Sciences Building A-, D-, and E-Wings) are followed in order to not disadvantage the occupants of interior offices throughout the Health Sciences Building.

Background

At the time of design and construction for the Health Sciences A-, D-, and E-Wings, LEED principles and standards were incorporated into new and renovated wings of the building. There were four LEED levels that could be achieved for buildings in Canada at that time:

LEED Certified | LEED Silver | LEED Gold | LEED Platinum

Significant effort went into enhancing the Health Sciences Building using these principles. Contractors adhered to very strict standards during construction in order to achieve the intended LEED status. The program achieves status by obtaining various points involving numerous criteria (see Appendix A).

Perimeter offices in the A-, D-, and E-Wings have windows providing views into the atrium or views to the outside. Both configurations allow natural light into occupied spaces. On the interior walls of offices—those walls with a door to an office—frosted sidelights or frosted door panels have been installed to allow daylight into interior corridors. These panels also allow light into interior spaces which are often used as shared offices or research areas. **A LEED design principle requires that these interior areas receive indirect daylight through exterior office sidelights and doors.**

Procedure

- 1) It is the responsibility of each college/unit administrative authority to communicate to the appropriate staff and faculty the requirement for access to natural light into applicable corridors and interior areas.
- 2) Large posters and other obstructions should be removed from sidelights to insure the infiltration of natural light to interior spaces.
 - a. Exceptions or deviations—including cases where privacy is the primary concern—will need to be approved through the USask Health Sciences.
 - b. The director of operations in USask Health Sciences will adjudicate requests and render decisions in cases involving proposals for erecting a barrier or disputes in interpretation.
 - c. Creative solutions to allow light through, such as the strategic placement of a plant, may be approved as long as the infiltration of light is not significantly obstructed.

APPENDIX A

The Health Sciences Building E-Wing has been awarded LEED Gold status. The D-Wing has been awarded LEED Silver status and the A-Wing was renovated in accordance with LEED Gold principles. There are several criteria that must be met with respect to:

- Sustainable site selection
- Water efficiency
- Energy and atmosphere
- Materials and resources
- Indoor environmental quality
- Innovation in design

Principles relevant to D- and E-Wing occupants include:

- Ventilation controls
- Low emitting materials
- Thermal comfort
- **Daylight and views — daylight to 75% of spaces**
- Green housekeeping products

The D-Wing must also meet additional criteria:

- Safety and risk management
 - Air effluent
 - Water effluent
- Indoor environmental safety
 - Fume hood commissioning
- Innovation in design
 - Laboratory equipment efficiency
 - Lab managers
 - Process water efficiency