



## LEED Certification Fact Sheet

### Key Facts:

- › First LEED Certified Airport Terminal in Canada;
- › LEED certification level: Silver;
- › Total area of the terminal approx. 51,500 sq m (550,000 sf);
- › Based on the LEED Energy Model, it is estimated that the building would achieve a total GHG reduction of over 5,000 tonnes per year when compared to code, equivalent to taking over 1,000 cars off the road for 1 year;
- › Prime Consultants and Architects: Stantec Architecture Inc, together with Pelli Clarke Pelli.

### LEED strategies implemented in the design include:

- › Enhanced Commissioning – ensures building systems are performing as intended;
- › Construction Waste Management – 71% of the construction waste was diverted from landfills;
- › Daylight & Views and Daylight Harvesting– Daylighting opportunities were optimized as well as providing passengers an uninterrupted view of the prairie landscape. Daylight sensors switch on electric lighting only when needed;
- › Displacement Ventilation – heated or cooled air is introduced into the building at or near floor level, so that the least amount of energy is used to keep passengers comfortable;
- › Radiant Heating/Cooling – heating and cooling is provided to the building by circulating warm or cool water through flexible tubing located within the floor;
- › Heat Recovery – heat from equipment is recovered rather than being wasted;
- › High Efficiency Boiler, Chillers and Lighting – these systems use less energy than conventional systems;
- › High Performance Building Envelope – the windows and roof are significantly more insulating than conventional products, resulting in better energy efficiency as well as preventing jet fuel emissions from entering the building;
- › Indigenous Landscaping – plants were selected based on their suitability for the climate and low water requirements;
- › Recycled Content – the selection of materials was made to maximize recycled content where possible;
- › Regional Materials –local products were selected whenever possible, thereby minimizing the energy used in transportation;
- › Water Use Reduction – plumbing fixtures were selected based on their ability to use less water.

### LEED Strategies that were recognized with an Innovation and Design Process credit include:

- › Emissions Reduction Implementation Plan;
- › “Green Education” Program;
- › Comprehensive “Green Cleaning” Program.