

# Energy recovery

Since temperatures vary considerably between the ecosystems, energy consumption can be reduced by redistributing heat and cold from one ecosystem to another.

Three ecosystems – the Laurentian Forest, St. Lawrence Marine Environment and Polar World – must be cooled year-round. In winter, this is done by circulating a very cold liquid through these ecosystems. The coolant warms up, and the heat gain is transferred via heat pumps to the Tropical Forest, service areas, offices and common facilities hot water system. Additional heat, if required, is provided by the geothermal system.

## Winter mode

