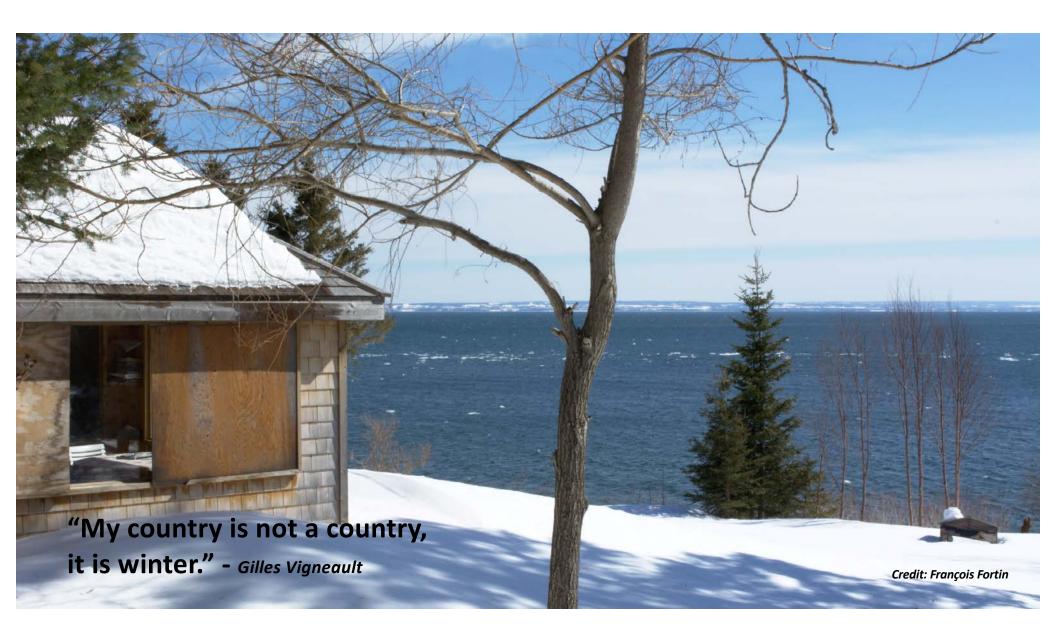


Winter living in an eco-district

Presented by Louis Mazerolle, Urbanist – urban designer L'Atelier Urbain Namur-Hippodrome citizen forum Montréal January 23, 2020



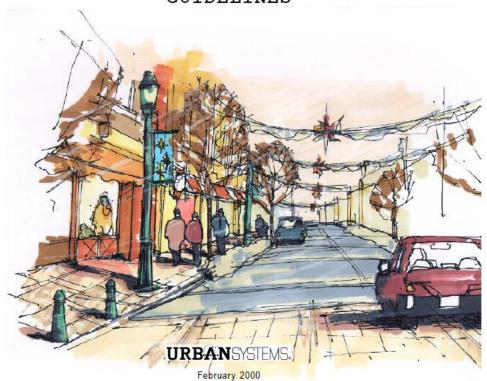


Examples of places that rely on northern environments to attract people and tourists





WINTER CITY DESIGN GUIDELINES



Source: Fort St. John Winter City Guidelines

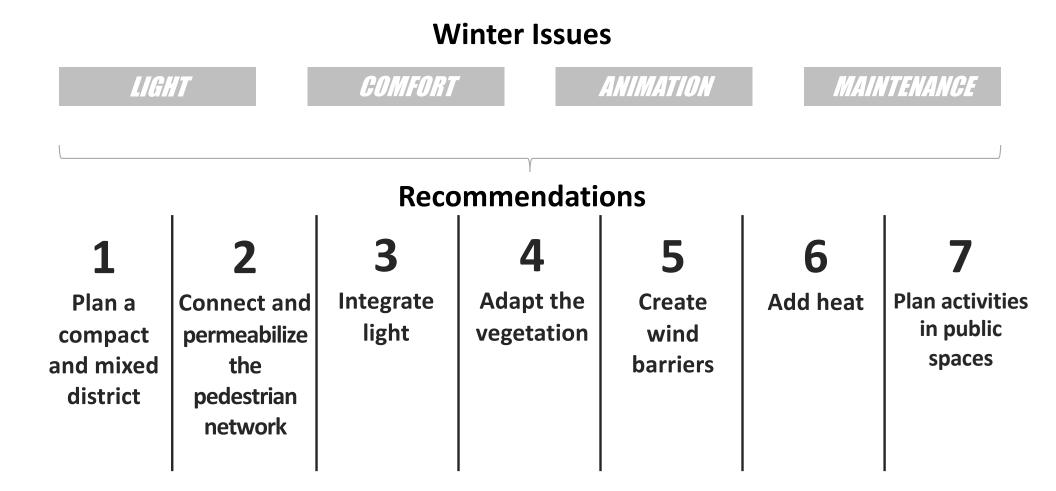


Source: Edmonton Winter City Design Guidelines



Main northern environment issues in development





Plan a compact and mixed district

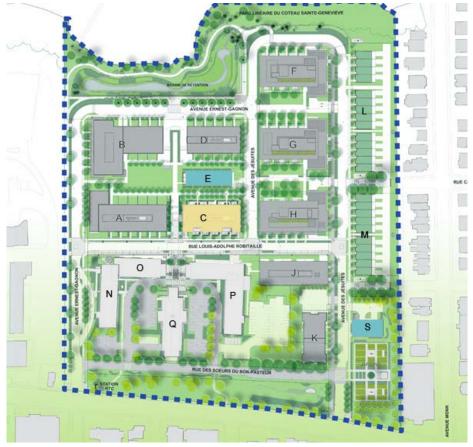




Source: Sustainable Prosperity Institute

1

Source: Vivre en ville

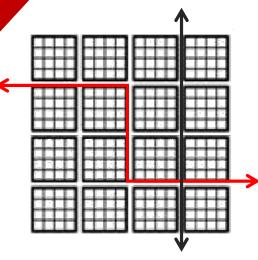




Source: Ville de Québec, SPP Ville Saint-Roch entrance

Source: SSQ

Connect and permeabilize the pedestrian network (and maintain it!)

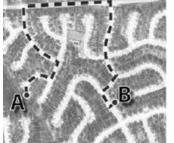


Rieselfeld et Vauban (Freiburg, Allemagne) : des quartiers plus faciles à traverser pour les piétons que pour les voitures





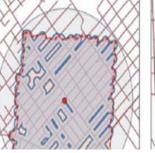
Source: Vivre en ville

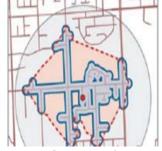


5



Source: evalanxmeer.wordpress.com

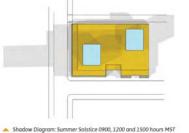


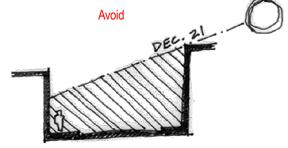


Source: researchgate.net

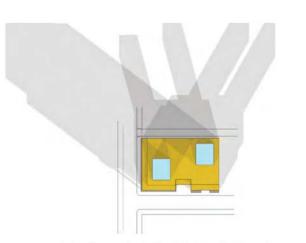


How can we adapt the urban structure to the climate? Integrate light









B

A Shadow Diagram: Winter Solstice 0900, 1200 and 1500 hours MST

Source: City of Edmonton



Source: City of Fort St. John







Adapt the vegetation

The right vegetation...

...at the right place!











Calamagrostis acutifora 'Karl Acrostide à fleur étroite ARBRES CONIFERES



Picea glauca

Larix Laricina

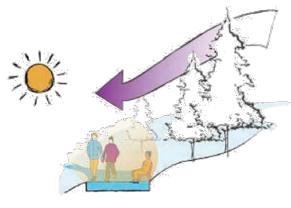
Mélèze laricina



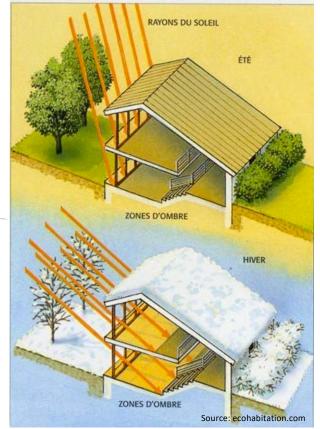


Picea pungens Épinette de Colorado Épinette blanche

Pin rouge



Source: City of Edmonton





Source: City of Edmonton



Source: archcompetition.net

Plan activities in public spaces









