

THE ZIBI DISTRICT ENERGY SYSTEM

A Highly Efficient, Net-Zero Carbon, and Renewable Energy Showpiece

The Zibi Community Utility (ZCU) is a District Energy System (DES) utilizing thermal energy recovered from the local Kruger Products tissue-mill for heating, and the Ottawa River for cooling. An equal partnership between Hydro Ottawa and Zibi, the DES will provide the energy for zero carbon heating, cooling, and domestic hot water for all Zibi tenants and residents in the 34-acre master planned community.

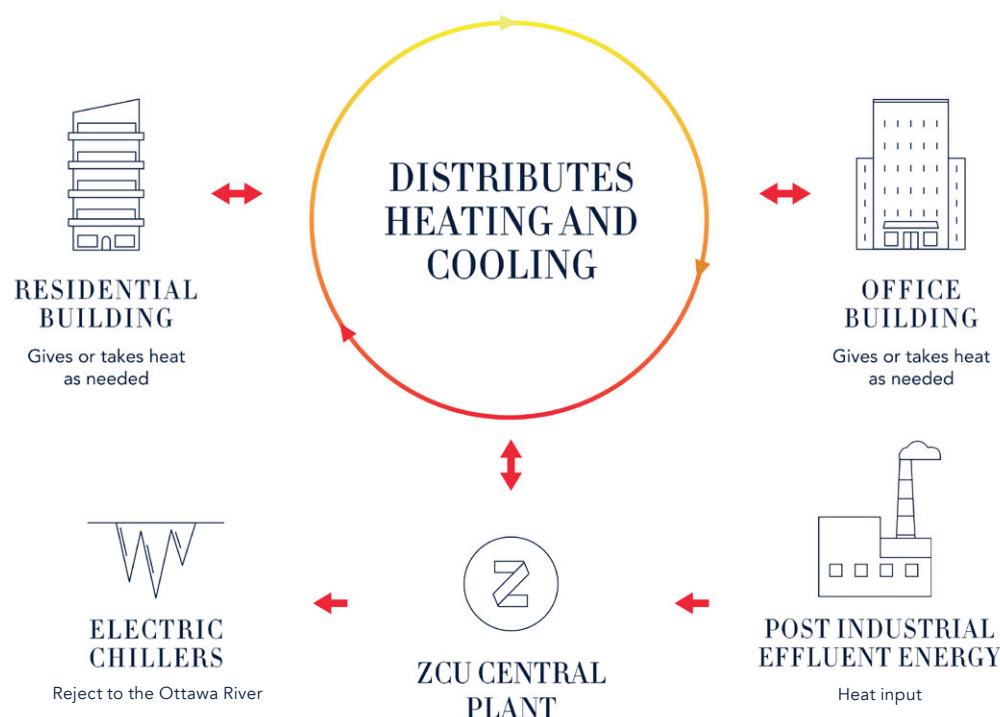
ZCU is integral to helping Zibi attain its One Planet Living goal of ensuring its energy needs are satisfied on a net-zero carbon basis. While many districts thermal systems exist in Canada, Zibi will be the first in North America to use post-industrial energy recovery in a master-planned community.

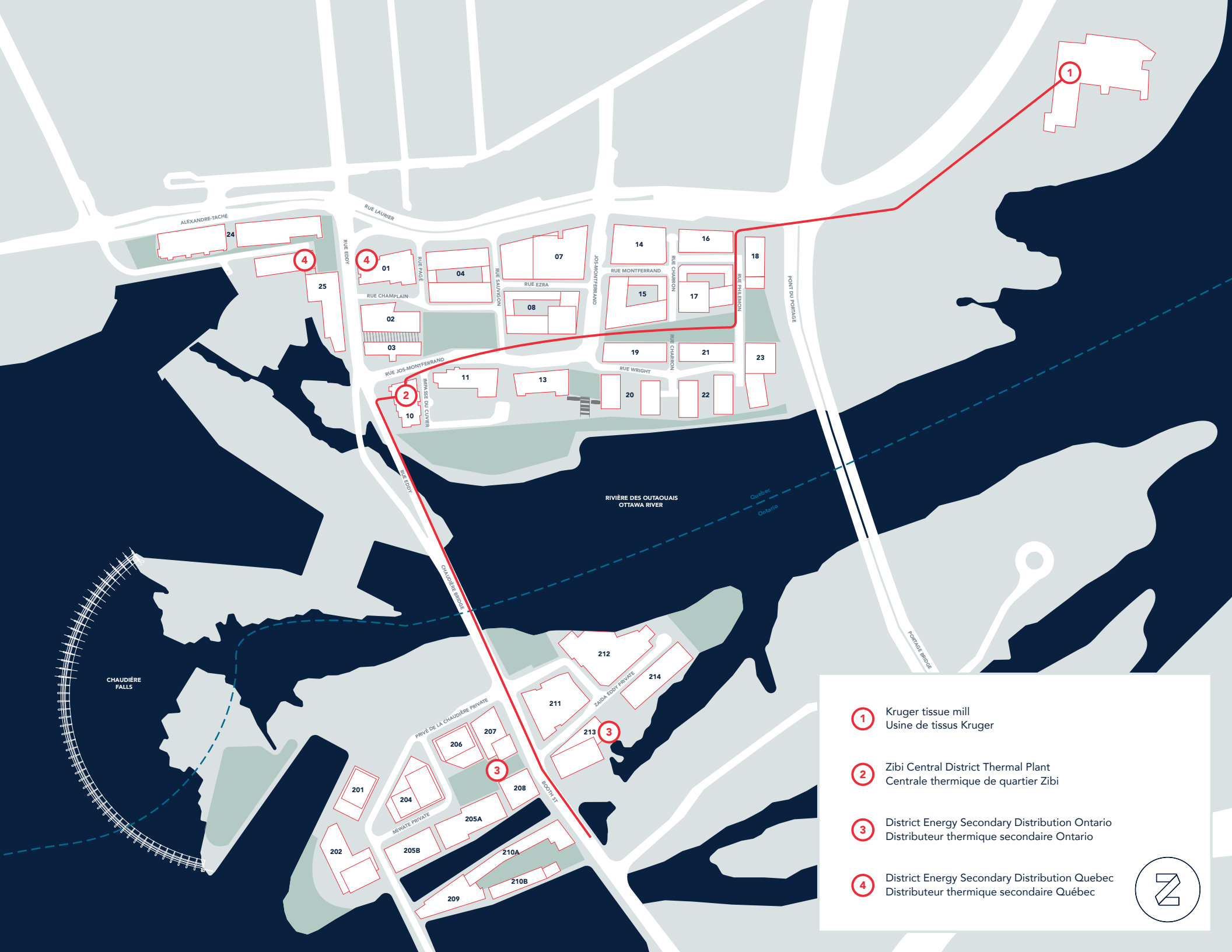
Benefits for the Community

Supports a sustainable and smart energy future for the Nation's Capital with improved energy efficiency and cleaner fuel, ultimately contributing to reducing greenhouse gas emissions.

Encourages the use of local resources such as the use of cool water sourced from the Ottawa River, and hot water sourced and reused from nearby industrial buildings (post-industrial effluent heat).

How It Works





- ① Kruger tissue mill
Usine de tissus Kruger
- ② Zibi Central District Thermal Plant
Centrale thermique de quartier Zibi
- ③ District Energy Secondary Distribution Ontario
Distributeur thermique secondaire Ontario
- ④ District Energy Secondary Distribution Québec
Distributeur thermique secondaire Québec

