



CORIX[®]

PROJECT PROFILE



BEAVER BARRACKS

Bringing clean, sustainable and efficient GeoExchange energy to affordable housing.

THE CLIENT

Centretown Citizens Ottawa Corporation (CCOC) is one of the largest private non-profit housing providers in Canada. With a mission to create, maintain and promote housing for low and moderate income people, CCOC is recognized as a leader in the development and management of affordable housing.

THE CHALLENGE

When CCOC purchased a 1.7 acre brownfield site in a high-profile area of Ottawa, Ontario, the volunteer-led group had an ambitious goal. They wanted to build an attractive, high-performance housing development (known as Beaver Barracks) that would meet LEED Silver or Gold sustainable energy standards without sacrificing affordability.

THE SOLUTION

To help achieve this goal, CCOC selected CORIX to finance, design, build, own and operate Beaver Barracks' GeoExchange energy system. Today, CORIX delivers thermal energy to service connections throughout the development and recovers the capital investment over the project's operating life by charging CCOC a monthly access fee.

Effective

The highly efficient solution is comprised of a ground loop field system and central energy plant (CEP) which supplies Beaver Barracks' 254 rental units with heating, cooling, and hot water. To date, it is one of the largest central residential GeoExchange systems in Canada.

Flexible

The Beaver Barracks development was built in several phases to accommodate tenant move-in dates and rental commitments. To meet CCOC's schedule, CORIX designed and constructed the CEP in a staged format to ensure thermal energy services met building demands as they came online.

Adaptable

While the GeoExchange system provides the development with day-to-day heating, cooling and hot water, it has been built as a hybrid system to allow for high energy peak loads through the use of back-up natural gas boilers.

THE BOTTOM LINE

By partnering with CORIX, CCOC was able to provide Beaver Barracks' tenants with a high performance energy system. This showpiece project clearly demonstrates that sustainable, clean energy systems can be incorporated into affordable housing.

DELIVERING THE CORIX ADVANTAGE

CORIX is a fully integrated provider of essential utility infrastructure products, services and systems for water, wastewater and sustainable energy. Committed, flexible and extremely innovative, we bring more than 70 years utility infrastructure experience to every project.

Safety, longevity and ease-of-use are always emphasized, to maximize social, economic and environmental returns. We're also backed by British Columbia Investment Management Corporation, a large, stable and well-respected investment firm that manages a globally diversified investment portfolio of nearly \$100 billion. That gives us the financial strength to become a fully invested, long-term partner.

