ENERGY SERVICES ASSOCIATION OF CANADA

PROMOTING PERFORMANCE BASED SOLUTIONS

case study

The Government of Nunavut

A project in the midst of one of the harshest inhabitable climates forces innovation and technical excellence.

*Performance-based solutions become the **premier choice** for energy and infrastructure renewal initiatives, resulting in fiscally and environmentally responsible outcomes.*

Project Description

The Government of Nunavut, facing the challenges of an Arctic climate, remote location, and the highest utility costs in Canada, wanted to maximize the efficient use of available energy. By enlisting the expertise of MCW, the Government examined 39 facilities within the City of Iqaluit to incorporate both traditional and innovative technologies to achieve energy savings.

Opportunity

The energy project, carried out in partnership with MCW, aimed at building and sustaining local construction capacity, especially within occupied buildings. Project planning required materials management of southern products to northern installation.

Results

The Government saw this project as a chance to create a blueprint for a model Arctic community in Nunavut while mitigating the highest cost of utility generation in Canada. The $13M project included partnerships with Seneca College to train local building managers, extensive building envelope retrofits, conversion to climate optimal LED lighting, and other innovative steps, which generated over $1.45M in annual savings.

MCW Custom Energy Solutions Ltd.