



MORRISON HERSHFIELD

*People • Culture • Capabilities*

Your First Call For  
ENERGY SOLUTIONS  
That Make a Difference

# Why choose Morrison Hershfield?

**OUR CLIENTS BENEFIT** from a well-organized nimble team with local presence backed by over 1000 staff in 22 offices across North America and beyond; ensuring your project is delivered according to your vision, schedule and requirements.

- ▶ **CLIENT-FOCUSED** - Over 90% of our business comes from recurring clients. We are proud to maintain an “excellent” rating in our customer satisfaction program. Ultimately, our role is to listen to you, help you solve problems and guide your organization.
- ▶ **EXPERIENCED** - We have worked on a range of power projects, from renewables (hydro, solar, and wind) to transmission, across the country. Our clients include independent power producers, utilities, and Indigenous communities.
- ▶ **KNOWLEDGEABLE** - Our team strives to develop a sound understanding of the technical aspects of every problem to develop appropriate solutions. Key to developing these solutions is gaining an understanding of your unique needs and objectives.
- ▶ **DEPTH** - Our energy specialists cover all aspects of a power project, from planning through to design and construction oversight. We are backed up by a multi-disciplinary team of engineers, planners, environmental compliance specialists and project partners.
- ▶ **COLLABORATIVE** - Our team knows that every project, large and small, has its own issues and challenges. We work with you to find the best solution tailored to your unique project needs.

Make us your first call.

*“The people I worked with at Morrison Hershfield are very knowledgeable and prompt at providing direction and documentation. They were diligent with reporting and QA, and flexible with site inspection schedules. Final deliverable was excellent and project was completed on time and on budget.”*

*-North American Energy Provider*



CUSTOMER SOLUTION PROVIDERS



PROBLEM SOLVERS



CLIENT FOCUSED

## PROJECTS

- Airports
- Critical Facilities
- Energy Storage
- Hydropower
- Microgrids
- Renewable Energy
- Solar Farms and Rooftop Solar
- Transmission & Distribution
- Wind Farms

## SERVICES

- Blast Resistant Design
- Camp Infrastructure
- Climate Resilience & Sustainability
- Community Energy Planning
- Demand Management
- Environmental
- Fire Protection
- Generation and District Energy
- Permitting, Approvals & Compliance
- Security Design
- Structural
- Sustainability
- Transportation



# CONERGY SUNMINE SOLAR

Kimberley, BC



**SOLAR PV  
DESIGN**

**1MW  
NAMEPLATE  
CAPACITY**

**FORMER  
BROWNFIELD  
MINE SITE**

**ELECTRICAL  
ENGINEERING FOR  
EPC CONTRACTOR**

The City of Kimberly transformed and reclaimed a lead-zinc mine into a solar farm. The dual axis tracking facility was BC's first grid-connected solar photovoltaic project and was Canada's largest project at the time to use solar trackers. SunMine consists of 4,032 solar-cell modules mounted on 96 trackers which follow the sun's movement, thereby maximizing solar experience. Morrison Hershfield was the engineer of record, working with Conergy Canada and the City of Kimberly. Engineering work included structural analysis, complete grounding system design and support for the design of the DC and AC systems, tracker systems, trenches and power lines.

# STEWART-KENO CITY TRANSMISSION PROJECT

Stewart Crossing to Keno City, Yukon

ENVIRONMENTAL &  
SOCIO-ECONOMIC  
EFFECTS  
ASSESSMENT

112  
KMS LONG

138KV  
LINE

PUBLIC &  
FIRST NATIONS  
CONSULTATION

Yukon Energy Corporation sought to reinforce the electrical grid between Stewart Crossing and Mayo, Yukon by replacing the aging and failing 69kV line. The project consists of a transmission line with a substation expansion at the west end and a new substation near the line's eastern end. Morrison Hershfield was the project lead for the environmental and socio-economic effects assessments, including biophysical inventory and stakeholder consultation and engagement. It was one of the fastest project screening reports completed to date by the Yukon Environmental and Socio-economic Board's Executive Committee.

# ATLIN HYDROELECTRIC PROJECT

Atlin, BC



FEASIBILITY  
STUDY

**2.1 MW**  
HYDROPOWER  
PLANT EXPANSION

**100%**  
FIRST NATION  
COMMUNITY-  
OWNED PROJECT

PERMITS AND  
FEDERAL  
FUNDING  
OBTAINED

In 2009 the Taku River Tlingit First Nation developed a small 2MW hydropower plant to generate renewable power for their off-grid community of Atlin, BC. The development of this hydropower plant has resulted in significant community development, own-source revenue and community pride for the First Nation. Morrison Hershfield helped them explore the potential of significantly expanding the hydropower development of the creek to supply the neighbouring Yukon with renewable power. Morrison Hershfield provided environmental and engineering services to complete the feasibility study and permitting of the project. Expansion of the 100% community-owned project will allow Taku River Tlingit to provide jobs, training, and other investments for the benefit of its citizens.

# AISHIHIK HYDROELECTRIC GENERATING STATION RELICENSING

South Central, Yukon



**LEAD  
TECHNICAL  
CONSULTANT**

**WATER USE  
LICENSE  
RENEWAL**

**37MW  
FACILITY**

**FIRST NATION  
ENGAGEMENT &  
PARTICIPATION**

The Aishihik Hydroelectric Generating Station is located in south-central Yukon and is one of the Yukon's largest and most important electrical generating facilities. The original facility was built in 1975 and required a new water use license. Morrison Hershfield was the lead technical consultant for the license renewal process which involved the planning activities required to support a rigorous assessment including various environmental, engineering and socio-economic/socio-cultural studies.

# HAF & WAINFLEET WIND FARMS

Niagara Region, ON



**ENVIRONMENTAL  
ASSESSMENT &  
PERMITS**

**2  
WINDFARMS**

**9MW  
EACH**

**EXPERT WITNESS  
TESTIMONY**

IPC Energy and Rankin Construction retained Morrison Hershfield to support the development of two renewable energy projects in Southern Ontario. Morrison Hershfield completed the Renewable Energy Approval including agency and public consultation, community relations, natural heritage assessment, constraint mapping, GIS and environmental permits in order to move the project into the construction phase. Morrison Hershfield was also retained by the Proponent's legal counsel to provide witness statements and testimony with respect to potential impacts to the natural environment and species at risk.



# FOUNDED on technical excellence and ethics.

**OUR RICH HISTORY** of diverse projects provide exposure to emerging trends in process and design technologies spanning different industry sectors, keeping us ahead of the curve. We regularly adapt and integrate these technologies into solutions for our clients. **Our passion to design and build our projects right the first time is recognized throughout the industry and in our communities.**



▲ Platinum Elite Status: A key player in ReNew Canada's list of top 100 Infrastructure Projects for Canada in 2021 with involvement in 23 of the 100 biggest public sector infrastructure projects under development in the Country.



## 75+

Years in Business  
Serving Canada

## 1000+

Number of Full Time,  
In-house Employees

## 100%

Employee Ownership

## 90%

Annual Revenue from  
Repeat Clients

## 22

Offices Across  
North America and India

**WE ARE A MARKET LEADING** engineering firm delivering innovative, cost effective and technically sophisticated solutions for both horizontal and vertical infrastructure. We are anchored by highly responsive technical experts, thought leaders and high performing employees across North America. Our highly focused approach to the clients and markets we serve ensures that we deliver the value our clients demand.

When our founders established this consulting practice in 1946, they set the highest standards of ethics, technical excellence and customer service. These high standards have become the hallmark of Morrison Hershfield. We continue to be guided by our values of integrity, accountability and mutual respect, and believe in continuous improvement, quality and teamwork.



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