

Water



A clean and safe water supply is vital to our survival. Morrison Hershfield is committed to helping clients meet today's water management challenges. Water supply and handling systems are designed with quality, safety, efficiency, environmental stewardship and future demands in mind.

Services include:

- **Water system master planning**
- **Planning and detailed design**
- **Project and program management**
- **Water supply and conservation solutions**
- **Intakes**
- **Pumping systems and stations**
- **Reservoirs**
- **Distribution systems**
- **Computer hydraulic modeling**
- **Water treatment facilities**
- **Trenchless technologies**
- **Irrigation systems**
- **Industrial firewater systems**
- **Inspection and construction administration**
- **Permitting and regulatory compliance**
- **Public consultation**



Municipal Water Feeder Main Extension



Water Utilities Network



Process Water Feasibility Study for Industrial Land



Joint Use Water Treatment Facility



Water and Wastewater Master Plans



Process Water Feasibility Study for Industrial Land

Strathcona County and Sturgeon County are home to the Alberta Industrial Heartland, an area encompassing approximately 200 sq km of prime heavy industrial zoned land. The region is ideally suited for the establishment of a proactive, highly responsive water supply, treatment, distribution and possible reuse framework that promotes responsible management of process and fire water and ensures the lowest life-cycle costs. The system, once functional, will be capable of delivering, treating and re-using up to 8000 L/s of water and re-use wastewater.



Water Utilities Network

We provided the pre-design for the \$50M Phase One, East Rocky View Regional Water Utilities Network. This project consists of a major intake and pump house on the Bow River, 28 km of twin 600 mm diameter raw water forcemain, a 2 sq km raw water reservoir, 54 km of 600 mm and 900 mm diameter water transmission main, two 3,700,000 L storage reservoirs and pumping stations. In addition to the water transmission main project, we also provided the preliminary design of a new \$15M water treatment plant in Langdon, AB.