

Generation and District Energy



Morrison Hershfield is a leading provider of primary generation, cogeneration and district energy services for a broad range of clients. We are experts in:

- **Strategic and master planning**
- **Incentive advisory services**
- **Government liaison and permitting**
- **Business case development/support**
- **Environmental services**
- **Public consultation**
- **Energy modeling and energy audits**
- **Land development**
- **Municipal services**
- **Technical services: A/S/M/E**
- **Project management**
- **Services during construction**
- **Construction management**



Power Station
Redevelopment



44 kV Airport
Cogeneration
Substation



6 MW Cogeneration
Plant Expansion



District Heating
System Upgrade and
Expansion



Boiler Demolition and
Replacement



Boiler Demolition and Replacement

The Tunney's Pasture Central Heating and Cooling Plant (CHCP) provides steam and chilled water to eighteen buildings housing major Federal tenants. We were responsible for the detailed design for demolition and Class 3 asbestos abatement of an existing steam boiler and interconnections; the temporary relocation of numerous pipes, cables and instrumentation; the opening and enlarging of the CHCP access door and floor reinforcement atop the basement to enable the new boiler to be rolled into place; and the new boiler installation, including interconnections.



44 kV Airport Cogeneration Substation

We were retained as "Owner's Engineers" by the Greater Toronto Airports Authority (GTAA) for the electrical interconnect component of a 117 MW cogeneration project. Our role involved the planning, coordination and oversight of all work related to connecting the generation plant to both the utility distribution grid as well as to the airport power distribution system. This arrangement is unique in that the cogeneration plant is embedded within a local utility distribution grid and is simultaneously able to supply electricity and steam to the airport, thereby providing security of supply even during utility power outage conditions.

