

---

**Normand BÉCHARD**

---

**EDUCATION**

1977 B. Eng., Civil Engineering, Ottawa University, Ottawa, Ontario, Canada

**EXPERIENCE**

**Since 2006 SEBJ, James Bay, Québec, Canada**

**Québec-New Hampshire DC Link Project Manager**

- ◆ Reporting to the CEO, in charge of the project development. The project consisted of 225 km of 300kV DC line, 2 DC substations (1200 MW) with 2 DC converters per substation. The total budget for the project was \$1.3B.

**Eastmain Project Manager**

- ◆ Reporting to the CEO, in charge of the implementation of the Eastmain-1 project (\$2.2B budget) completed in 2006, and the Eastmain-1A-Sarcelle-Rupert project (\$5B budget) which began in 2007 and will be completed in 2012. These two projects are carried out in territories occupied by aboriginal people (Cree). The EM-1 has an installed capacity of 480 MW (Francis), EM-1A 768 MW (Francis) and Sarcelle 150 MW (Bulb).

**2000-2006 HYDRO-QUÉBEC ÉQUIPEMENT, Québec, Canada**

**Construction Manager**

- ◆ Reporting to the Senior Manager of Transport and Construction Projects, executive in charge of a multidisciplinary unit certified ISO 9001 and 14001 working in engineering, project management and work implementation as general contractor and contractor specialised in telecommunications.
- ◆ Annual backlog of approximately \$100M.

**1997-2000 SEBJ, James Bay, Québec, Canada**

**Construction Administrator**

- ◆ Reporting to the Director, executive in charge of the ISO 9002 certified unit acting as owner-contractor licensed by the Régie du bâtiment du Québec.
- ◆ At the SEBJ, Manager in charge of the development of the turnkey CETIN Hydroelectric Project in Turkey, with a financial package estimated at US\$400 million. The project was accepted by Turkish authorities. Strategic

**Normand BÉCHARD 2.**

project withdrawal by H.Q.I.

- ◆ Annually, the backlog varies from C\$20 to C\$50 million for work executed across the province.

**1994-1997 HYDRO-QUÉBEC ÉQUIPEMENT, Québec, Canada****Head of Contracts Administration**

- ◆ Rehabilitation and modernisation of the Shawinigan 2 and 3 power stations (on site). Projects with a budget of C\$380 million allocated from 1993 to 2000.
- ◆ Reporting to the Site Manager:
  - In charge of the management of all project activities on site and for the management of construction contracts
  - In charge of the engineering management executed by two consulting firms
  - Supervise the work of the managing team (22 people), including 11 engineers
  - In charge of the coordination of activities with the client
  - In charge of the installation of new equipment following schedule, costs and quality
  - Responsible for the workgroup in charge of negotiating generator set rehabilitation contracts with GE Canada within a mutual agreement procurement strategy
  - Member of a pilot group set up to prepare a project management procedure manual for the vice-presidency, with the collaboration of Bechtel.

**1993-1994 HYDRO-QUÉBEC, Québec, Canada****Head of Planning and Cost Control, Gas Turbine Power Plant, Bécancour**

- ◆ Project with a C\$380 million budget allocated from 1992 to 1994 for the construction of a power plant equipped with four GE, frame 7, 100 MW gas turbines. Its purpose is to provide emergency power to the Gentilly II Nuclear Power Plant, as well as act as a peak-load power plant.
- ◆ Reporting to the Site Manager:
  - In charge of the preparation and update of detailed construction and start-up schedules
  - In charge of the preparation of tenders for construction contracts
  - In charge of the on-site implementation of the computerised project management system (P.M.S. software), an integrated system with

**Normand BÉCHARD 3.**

interconnected databases

- In charge of the procurement management
  - In charge of the cost control of construction contracts
  - In charge of on-site installations
  - In charge of the preparation of preliminary estimates for tenders and control estimations
  - In charge of the follow-up of contractor claims.
- ◆ Tracy Site:
- Member of the team who carried out the preliminary design of the rehabilitation of the thermal power plant comprised of four 150 MW Parsons steam turbines
  - Inspections, analysis of the scope of work to be accomplished, value analysis, prioritization, etc.

**1990-1992 CONSTRUCTIONS LOUISBOURG LTÉE, Québec, Canada****Civil Work Construction Manager for the entire James Bay Territory**

- ◆ Manager in charge of the implementation of ongoing contracts during this period, i.e. excavation of the Brisay power station, Brisay camp earthworks and construction of infrastructures, as well as the construction of LA-1 west dikes. Backlog of approximately C\$90 million, for the SEBJ.
- ◆ In charge of the estimation and bid preparation, the most important ones being:
 

• Robertson Lake Power Station (Hydro-Québec):	102 million
• LG-1 Power Station 2 <sup>nd</sup> phase Concreting (SEBJ):	90 million
• LA-1 Water Intake Concreting (SEBJ):	73 million
• LA-1 North Dikes Construction (SEBJ):	73 million
• LG-1 Tailbay Excavation (SEBJ):	46 million
• LG-1 North Dikes Construction (SEBJ):	46 million

**1984-1990 COFFRAGES UNIVERSEL LTÉE, Québec, Canada****Project Manager, reporting to the President**

- ◆ Project Manager for a backlog of approximately C\$8 million in casing works and C\$7 million in industrial and commercial projects as general contractor, mostly in the Montreal region. Specialised in industrial, commercial, road and hydroelectric infrastructure casings.

**Normand BÉCHARD 4.****1982-1984 CONSTRUCTIONS LOUISBOURG LTÉE, Québec, Canada****Project Engineer and Assistant to the Director**

- ◆ Manic-5 Project for Hydro-Québec: C\$41 million contract for the water intake and the additional power station. Excavation and concreting of the water intake, tunnel excavation and concreting of the dispatcher, headrace tunnel and penstocks.
  - Establish construction methods in accordance with specifications
  - Management of workforce, equipment, material and procurement
  - Preparation, application and follow-up of schedules
  - Identification, analysis, quantification and negotiation of change orders and claims
  - Administration of subcontracts
  - Cost control.

**1980-1982 SINTRA INC., Québec, Canada****Project Manager for the Manic-5 and Upper Salmon (Newfoundland) Projects**

- ◆ Manic-5: C\$14 million contract mandated by Hydro-Québec for the underground excavation of the access tunnel to the power station and the tailrace tunnel.
- ◆ Newfoundland: C\$34 million contract mandated by Newfoundland Hydro:
  - Construction of the main dam, dikes, spillway, headrace canal
  - In charge of all works pertaining to dams, dikes, headrace canal excavation and tunnel excavation.

**1977-1980 HYDRO-QUÉBEC, Québec, Canada****Area Engineer, for LG-3**

- ◆ Contract of approximately C\$400 million mandated by the SEBJ for the construction of the main dam, dikes, open excavation of the power station, spillway and water intake.
  - Embankment area engineer for the dam and dikes
  - Establish, coordinate and follow-up the annual work planning
  - In charge of the coordination between the Hydro Quebec Construction Manager and the SEBJ
  - Equipment planning, cost follow-up and claims identification.

**Normand BÉCHARD 5.****PROFESSIONAL DEVELOPMENT**

2000 Executive Development Program (CIREM-HEC)

**ADDITIONAL TRAINING**

PMP Training

Negotiation Training (HEC)

Emotional Intelligence Training

Training Seminar: Introduction to American Indian and Inuit Québec

Canadian Institute Seminar: Super conference on construction

Techniques on using explosives

ISO 9001 Quality Training

Environmental Training – ISO 14001

C-21 Law Training

**COMPUTER APPLICATIONS**

Exchange, Word, Excel, S.A.P., Internet/Intranet, Windows

**PROFESSIONAL ASSOCIATIONS**

Ordre des ingénieurs du Québec

**LANGUAGES**

French, English, Spanish (beginner)

**WORK EXPERIENCE (COUNTRY)**

Canada