

Point Lepreau Refurbishment

Benefits for New Brunswick

The refurbishment of the Point Lepreau Generating Station will bring considerable benefits to the people of New Brunswick. This major investment represents another step on the province's journey to self-sufficiency.

The refurbishment is a global first, creating expertise located in New Brunswick that will be exported around the world.

The \$1.4 billion project will bring a host of economic and social benefits to the province.

Creating Global Scale Nuclear Expertise in New Brunswick

- New Brunswick is the first location to refurbish a CANDU 6 reactor. There are 11 CANDU 6 reactors in operation around the world, all of which are expected to be refurbished at some point.
- A Centre of Excellence for CANDU Retubing has been established in New Brunswick. It has already created approximately 200 jobs in Saint John. Ninety per cent of these employees were hired locally, including engineers, technologists, technicians, planners and administrative personnel, with many coming from New Brunswick post-secondary institutions.
- The Centre of Excellence for CANDU Retubing in Saint John will export its CANDU refurbishment technology and expertise to anticipated projects in Korea, Argentina and Quebec.
- New Brunswick's reputation as a global nuclear technology leader will grow, making nuclear energy a key part of the development of New Brunswick as an Energy Hub.
- The project supports education and training opportunities that will have a long-term economic impact. For example, contracts worth approximately \$250,000 were awarded to New Brunswick community colleges for the preparation of training modules and the fabrication of feeder mock-ups which will be used to develop procedures and train workers in Saint John.

Localized Benefits

Refurbishment contracts to New Brunswick companies from Atomic Energy of Canada Limited will be valued at more than \$100 million. As of February 2008, \$73 million worth of contracts have been awarded or committed to New Brunswick firms. These include:

Contracts valued over \$10 million

- OPRON Maritime Construction Ltd.
- Precision Nuclear Inc.

Contracts valued between \$5-10 million

- Sunny Corner Enterprises

Contracts valued between \$1-5 million

- Bayside Realty
- Lorneville Mechanical
- Invensys Systems Canada

Environmental Benefits

- Refurbishment will add 25-30 years of energy generation to the reactor.
- The International Energy Agency (IEA) urges governments to build more nuclear plants to slow climate change and increase energy security. Refurbishment avoids greenhouse gas emissions that would result from fossil-fuel based energy generation in New Brunswick. NB Power will avoid the use of 230 million barrels of oil and the generation of 120 million tonnes of CO₂ and other pollutants over the life of the plant.
- Used fuel and waste are all stored securely on-site, with none released into the environment.