

# Backgrounder



Oct. 30, 2013

## **NS Power's Port Hawkesbury Biomass Plant generating firm, renewable energy**

Nova Scotia Power's newest power generation plant, the Port Hawkesbury Biomass Plant, began operations in July and is producing both electricity and steam.

### **Quick facts:**

- Online in July 2013 and supplying as much as 4% of the province's total electricity requirement.
- At 60 MW capacity, the plant has the ability to power 50,000 homes.
- Its 150 metric tonne steam turbine (ST) was manufactured by Mitsubishi Heavy Industries (MHI) in Yokohama.
- The ST was being constructed when Japan suffered the Fukushima earthquake and tsunami resulting in the loss of electric capacity in the Tokyo region. MHI modified its manufacturing effort to absorb the disruptions and meet their commitment to NS Power to deliver the equipment by the end of April 2012.
- The Generator was shipped from Liverpool, England to arrive in Halifax concurrent with the ST.
- In April, a special train including a 12 axle rail car brought from San Diego was used to move the equipment from Halifax.
- The temperature of the steam when it leaves the plant boiler is 480 degrees Celsius.
- More than 75 different contractors worked on site during the construction of the plant.
- As many as 50 trucks a day deliver up to 2000 tonnes of biomass every day.
- It took 500,000 hours to construct the new biomass facility. The entire project timeline was completed without a lost time injury.

-30-

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