

PRINCE RUPERT'S NEW POWER PLANT

Section I.

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HEAD OF COMPANY TELLS OF HYDRO-ELECTRIC ACTIVITIES IN THIS DISTRICT

WITH its formal opening yesterday by the Northern B. C. Power Company Ltd., Prince Rupert, now has one of the most modern and efficient hydro-electric plants in Canada, capable of great development and sufficiently large to supply, not only the city and district as they are today, but with power enough already developed and in process of development to last until Prince Rupert has attained the dignity of a large manufacturing city and a seaport trading with all the countries of the world. There is no limit to the possibilities.

Electric power is being generated at Falls River, brought to the city by cable, a distance of over forty miles, crossing the Skeena River by means of steel towers and distributed to the consumers. The company has commenced to erect ornamental street lighting under its contract with the city and is prepared to provide any amount of power that may be demanded up to 100,000 horsepower.

It is not difficult to understand what this means to Prince Rupert. It places the city on the front line of development and indicates that some of the greatest financiers in Canada are pinning their faith here. The city under these conditions is bound to grow rapidly.

Brief History of Development Of Public Utility In Prince Rupert, B.C., and District

Commencement Made Many Years Ago By Those Who Foresaw Great Future For New Port On Northwest Coast

(By J. J. Little, General Manager, Northern B. C. Power Co.)

Before proceeding with a description of the Falls River plant, it might be advisable to give a short history of public utility operations in Prince Rupert, and for this purpose, we will ask the reader to turn back the pages to the year 1910, when the City of Prince Rupert was incorporated. A description of the location and strategical situation of the city in relation to the future arterial commercial lines and to its relation in selection to the world's future raw products, requires but a glance at some up-to-date map of the world.

MANAGER J. J. LITTLE

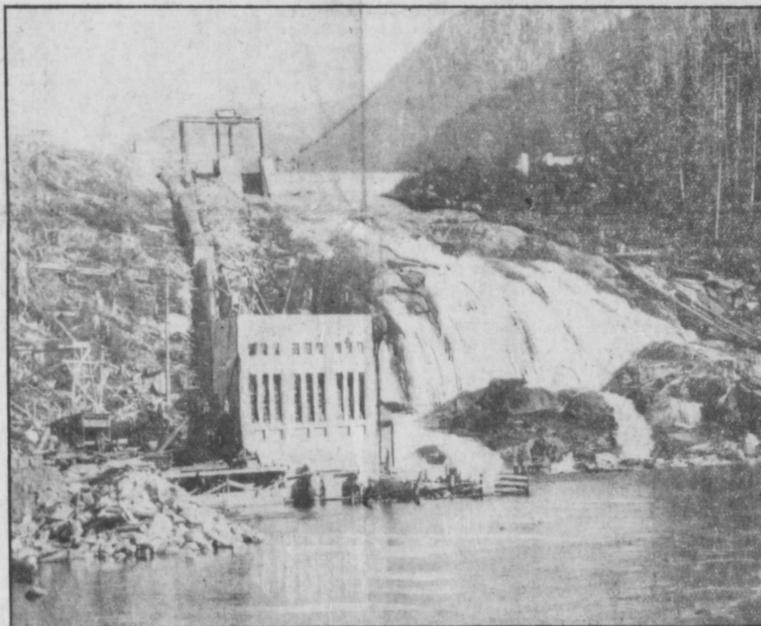


In charge of N.B.C. Power Co. Ltd.

Here it may be seen through Empire Builders. The Honorable Sir Wilfred Laurier, the Canadian Cecil Rhodes, and Hon. Chas. M. Hays, did not err when they decided to make their terminus of the Grand Trunk Pacific at what was known at that time as Kaien Island and now becoming increasingly well known throughout the commercial and financial world as Prince Rupert.

Prince Rupert's excellent landlocked harbor stretching from the entrance at Digby Island to the head of Tucks Inlet, a distance of eleven miles, ranks second to none as a suitable port for all classes of vessels, from the humble cannery troller to the largest vessel afloat. The harbor is open all the year. (Continued on page three.)

New Northern B. C. Power Plant



The picture above shows the new power house at Falls River with the water discharging through the sluice gates. This section will house two 6,000 horsepower turbines. Extensions will be built to the left of the plant as seen in the picture which will house two 10,000 horsepower units, making a total of 32,000 horsepower at this point. Other sources of power will be developed as required.

Detailed Description Of Falls River Plant Which Was Opened Yesterday

Will Generate and Deliver Up to 32,000 Horsepower When Completed and Is First of Series to Be Installed

(By J. J. Little, General Manager, Northern B. C. Power Co.)

The Falls River power plant is the first of a series planned to serve Prince Rupert and district with cheap hydro-electric power. When completed it will develop 32,000 horsepower. The watershed is located about 32 miles S.S.E. of Prince Rupert as the crow flies, and 42.5 transmission line miles from the city. The drainage area, taking into consideration Lake Hayward of 91 square miles gives a minimum recorded flow of 75 cubic feet per second daily and a maximum of 6,000 cubic feet per second. The ultimate storage approximating 5,000,000,000 cubic feet with an estimated regulated flow of 750 cubic feet per second. The structures are designed for a flood of 20,000 cubic feet per second or 220 cubic feet per second per square mile of area. The ultimate installed machinery capacity will utilize 1,420 C.F.S. at 248 feet effective head and will comprise 2-6,000 and 2-10,000 h.p. units.

Dam 90 Feet High

The dam is of the concrete gravity type with a maximum height of spillway above the river bed of 30 feet with an ultimate projected height of 90 feet, provision having been made for 7-0 flash boards. The dam is designed for an assumed uplift of 100% static head at heel, and zero at toe acting over 50% of the base. An opening has been provided for a log chute. Length of dam is 500 feet with a depth at present of 40 feet at the highest point. The amount of concrete poured into the (Continued on page six.)

Premier of B. C.



Hon. Simon Fraser Tolmie.

Prince Rupert Has a Large Shipping Tonnage, Both Foreign and Coastwise

One of the surprising features of business in Prince Rupert is the large amount of shipping both foreign and coastwise. With three lines of steamships calling regularly both north and southbound and with a large fleet of fishing and other boats, some making headquarters at the port and others coming from Alaska and United States and other countries, the totals are higher than even residents of the city suspect. The official figures as supplied by the collector of customs for the year ending March 31 last, are as follows:

FOREIGN—Inwards, 2386 Vessels	196,397 tons
Outwards, 3277 Vessels	191,583 Tons
COASTWISE—Inwards, 1523 Vessels	693,951 tons
Outwards, 1580 Vessels	700,831 tons

Industries of Prince Rupert and District

Prince Rupert and district has a number of very valuable industries foremost among which are the following:

Fishing: With the largest fresh halibut market in the world and the largest fish and cold storage plant in the world there was last year marketed 28,000,000 pounds of halibut and the salmon fisheries of

the district are the most important in Canada.

Timber: The timber industry of the district is important. The Big Bay Company's mill in the city cuts up to 60,000 feet a day and is in almost continuous operation and the cut of logs this year in the district is already 112,000,000 board feet.

Mining: The whole country is rich in mineral and the district has several good producing mines paying dividends.

In addition there is the Prince Rupert Drydock and Shipyard, the railway shops, the grain shipping through the local elevator, and numerous smaller industries that are steadily growing.

Free Industrial Sites As Long As They Last Are Offered By the City

Prince Rupert is offering industrial sites free of cost, subject to approval of the ratepayers. This is in so far as the sites available may suit the proposed industries and as long as they last.

The city has some lots that have from time to time reverted for non-payment of taxes. Many of these are scattered in different parts of the city, but in a few locations they are grouped and in such positions that they could be used by industries not requiring waterfront. The waterfront lands are held by the railway company or by the provincial government and leased to those who will use them at moderate rates. Mostly the reverted lands were allowed to go because for some reason they were not good residential sites.

Congratulations From Premier Tolmie on Behalf of People and Government of British Columbia

VICTORIA, Dec. 2:—"On behalf of the people and government of British Columbia, I extend warm congratulations to the City of Prince Rupert on the opening of their splendid power plant which will have a far reaching effect on the industrial development of the city and surrounding territory.

"This, and other recent developments all indicate a very high confidence in the place which Prince Rupert is destined to occupy as a gateway to the great northern area of British Columbia."

S. F. TOLMIE, Premier.