

The Quebec Department of Hydraulic Resources, through its extensive system of storage reservoirs, successfully maintained regulation of flow for power production and flood control on a number of important rivers. Surveys were continued to determine the storage possibilities in the watershed of the Bell-Nottaway River, tributary to James Bay, and in the watershed of Payne River, a tributary of the Ungava Bay. Extensive repairs to the Gouin Dam on the upper St. Maurice River, to Mercier Dam on the Gatineau River and to the Allard Dam on the St. Francois River at the outlet of Lake St. Francois, will be completed in the near future.

New Brunswick

The New Brunswick Electric Power Commission placed on test, on 4 November, the first unit of its Beechwood development on the Saint John River, with the second unit scheduled for completion by 31 January 1958. Provision has been made for the installation of a third similar unit. Each unit consists of a 45,000-hp. turbine under a head of 60 feet, driving a 40,000-kva. generator. Currently under construction at Saint John is a new 50,000-kw. steam plant which is expected to be completed in July 1959. During the year, the Commission extended its transmission facilities by 68.4 miles of 138-kv. line from the Beechwood plant to Fredericton and 30.4 miles of similar line from Fredericton to Grand Lake, Queen's County, in addition to which, 59 miles of 69-kv. transmission line and 121.1 miles of rural distribution line were completed. About 190 miles of additional 138-kv. transmission line are presently under construction. The Moncton Terminal and Grand Lake Terminal substations, each rated at 50,000 kva., were completed on 31 October while another substation of 10,000-kva. capacity is currently under construction at Moncton. Electrical service was extended to 1,000 farms, making a total of about 26,000 farms presently supplied by the commission.

Nova Scotia

The Nova Scotia Power Commission completed in August its Bear River plant at Bear River, Annapolis County, with one 5,300-hp. turbine under a net head of 142 feet, operating a 4,000-kw. generator. A 25,000-hp. development on the Sissiboo River near Weymouth, Digby County, is in active prospect and investigations are proceeding with respect to the Commission's proposed Wreck Cove development on Cape Breton Island. Under construction for completion in July 1959 is a 20,000-kw. addition to the Trenton steam plant. During the year, extensions to the transmission system included 61.0 miles of 69-kv. line and 17.0 miles of 23-kv. line; 18.0 miles each of 69-kv. and 23-kv. line are under construction. There were 30.6 miles of rural