



# St John s electric grid

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Here at Hydro, we are the primary supplier of electricity for our province. With more than 91 per cent of our electricity generated from renewable resources, our teams are focused on delivering the safest, most reliable, least-cost electricity to Newfoundlanders and Labradorians.

We have both regulated and unregulated operations across the province with major power generation assets in Churchill Falls, Muskrat Falls, Bay d'Espoir and Holyrood. Our provincial transmission system spans thousands of kilometers through some of the most remote and geographically challenging and isolated areas of our province. This system includes dozens of high-voltage terminal stations and lower-voltage distribution stations, connecting power from Labrador to the island and all the coves, towns and harbours along the way.

We sell our electricity to residential and commercial customers in rural communities throughout the island of Newfoundland, and to all residential, commercial, and industrial customers in Labrador. We also supply power to Newfoundland Power, an investor-owned utility, who serve all remaining customers on the island.

Newfoundland and Labrador has 74 power stations, with a generating capacity of 8,652 MW; the province mainly relies on hydropower for its generation needs. The province's largest power station, the 5,428-megawatt Churchill Falls Generating Station, annually generates over 35 TWh of electricity; approximately 90 per cent of this power flows to Quebec and neighboring markets in Canada, and the USA.

Newfoundland Power, a subsidiary of St. John's-based Fortis Inc., is the retailer of electricity for most customers in the province. Newfoundland and Labrador Hydro, a Crown corporation, owns and operates most generation, the transmission grid and sells directly to large industrial customers. The company also serves remote communities not connected to the main power grids, on Newfoundland and in Labrador.

ST. CROIX, U.S. Virgin Islands - FEMA continues to coordinate resources with the U.S. Virgin Islands to strengthen the territory's power grid and make its communications infrastructure more resilient. This month, approximately \$21 million has been approved through the Public Assistance Program for permanent repairs to St. John's power grid, St. Croix's internet infrastructure and the emergency operations center on St. Thomas.

The territory's plans to install emergency generators off Cruz Bay and Coral Bay on St. John will be supported through \$16.8 million from FEMA. Funding for these additional hazard mitigation measures will help make St. John's electrical distribution systems and infrastructure more resilient and continues FEMA's commitment to support plans to rebuild the island's grid.

The \$16.8 million for the installation of the generators increases FEMA's investment toward permanent repairs to St. John's power grid to \$198.4 million. Approximately 90% of the island's overhead power distribution was damaged during hurricanes Irma and Maria in September 2017. Mitigation measures include



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the installation of composite power poles and buying of electrical lines to make St. John's grid more resilient against future storms.

Collaboration between FEMA and the territory is focusing on making internet service more resilient for Virgin Islanders as well. FEMA is providing \$3.1 million for permanent repairs to St. Croix's fiber-optics cable infrastructure backbone and fiber access points. Destruction from the 2017 hurricanes led to the loss of 95% of aerial fiber access across the U.S. Virgin Islands.

The partnership between FEMA and the U.S. Virgin Islands will assist the territory to prepare for and respond to emergencies and disasters. Coordination between FEMA and the territory has led to an award of \$1.2 million for the Virgin Islands Territorial Emergency Management Agency to conduct permanent repairs to its emergency operations center on St. Thomas.

The rains and winds from Irma and Maria damaged the operation center's 911 call center, media/communication conference rooms, computer and data server rooms, and a high security data center that services Department of Homeland Security law enforcement and national security.

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