

CANADA ELECTRICITY, 1987

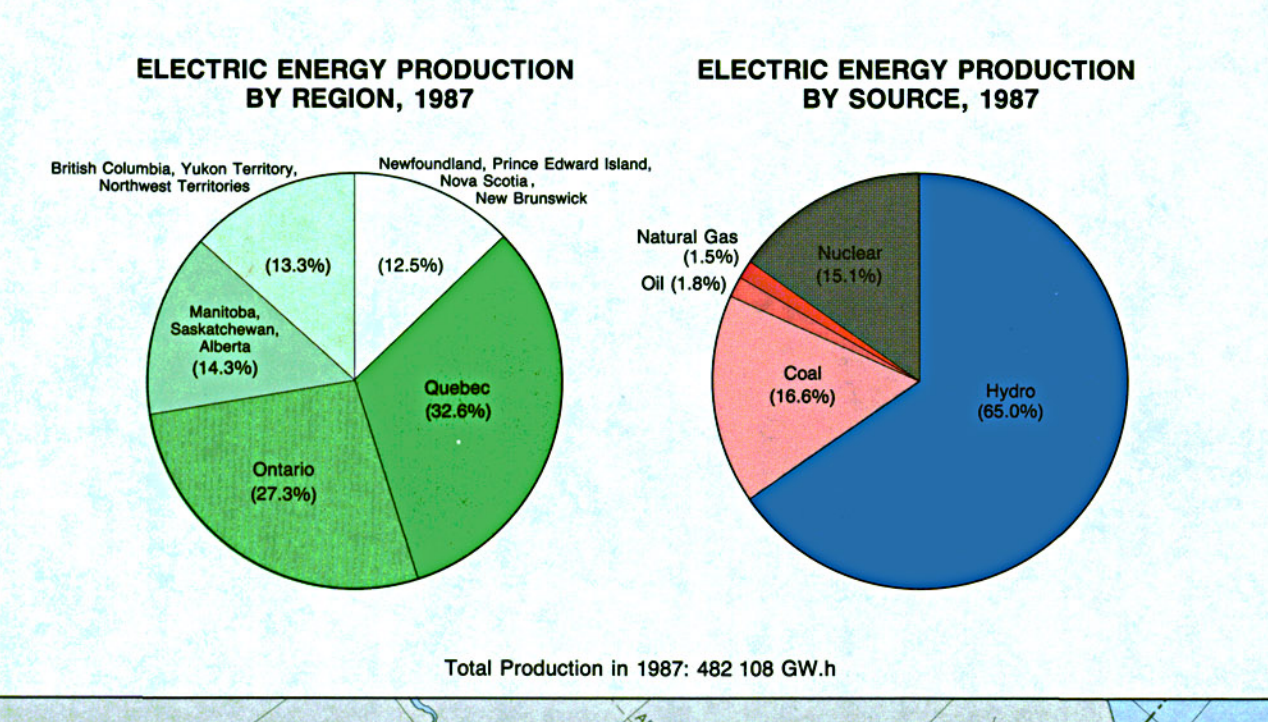
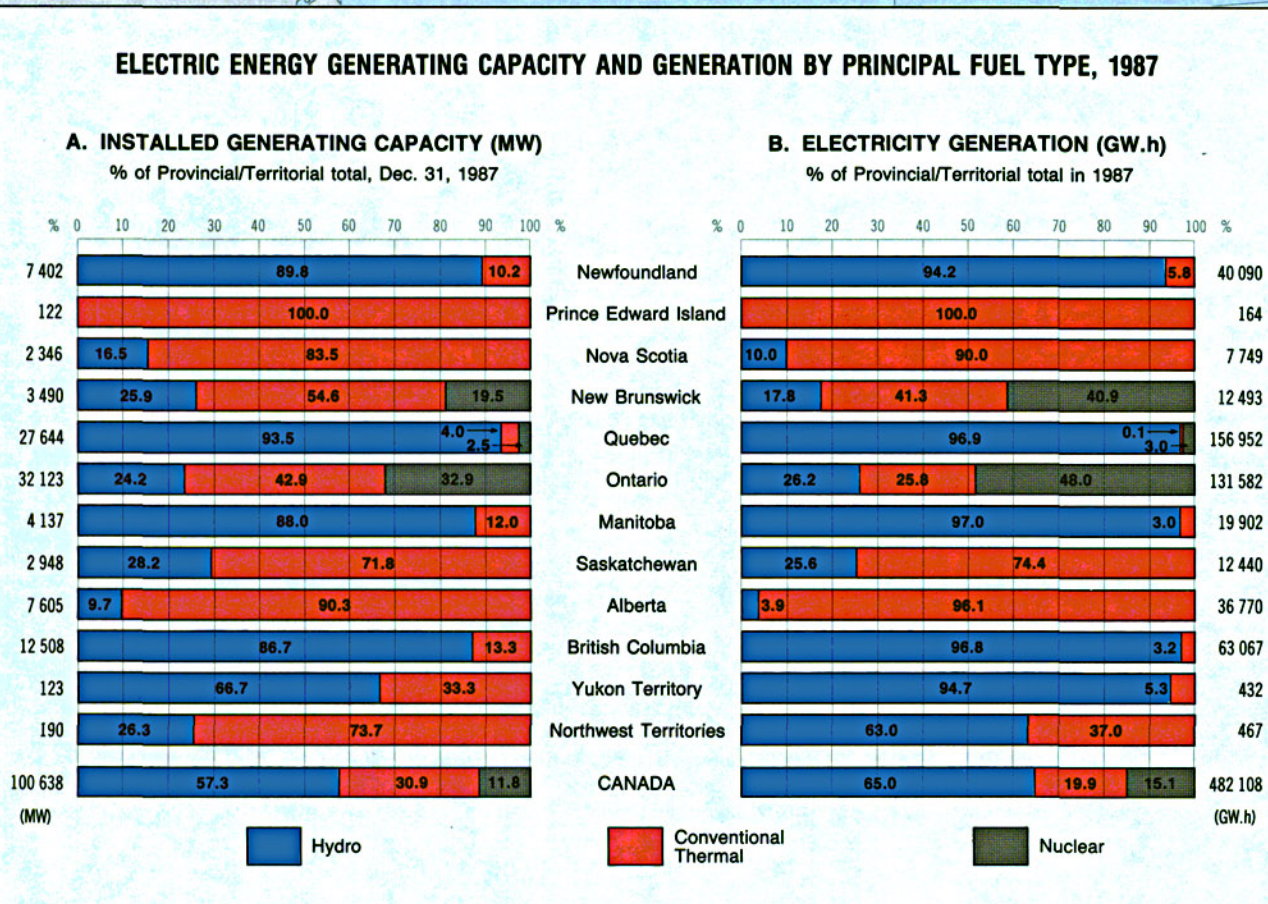
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Scale 1:7 500 000 or 1 centimetre represents 75 kilometres
Scale 1:4 687 500 or 1 centimetre represents 46.875 kilometres
Lambert Conformal Conic Projection, Standard Parallels at 49°N and 77°N.
Modified Polyconic Projection, North of Latitude 80°



SUMMARY OF MAJOR INTERCONNECTIONS, 1987 (Circuits of 69 kV or greater)

A. MAJOR PROVINCIAL INTERCONNECTIONS

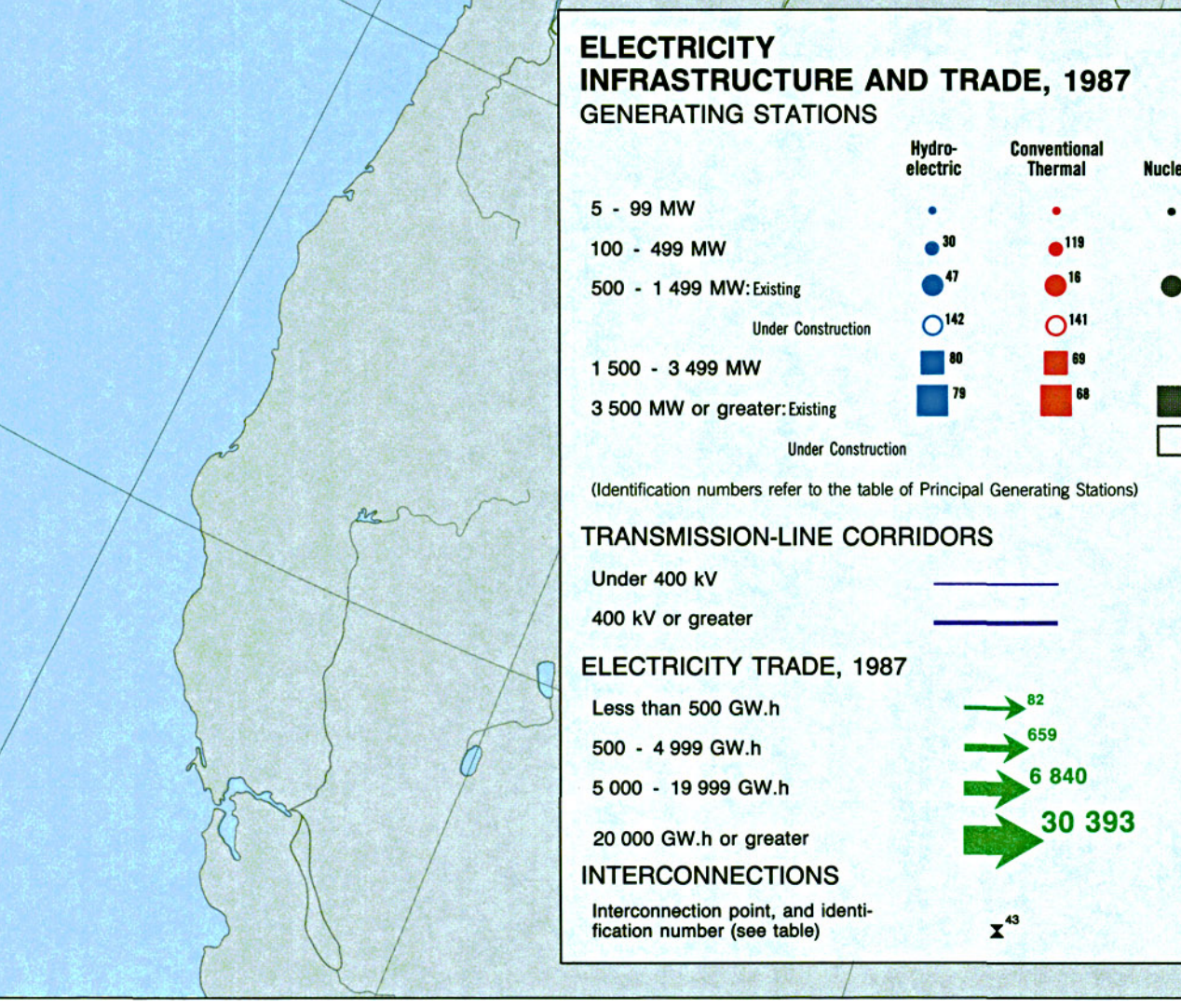
Map Sheet No.	Province/State	Interconnection	Circuits and Voltage (kV)	Design Capacity (MW)
1	Newfoundland	Chapel Falls Laboratory Corporation	3 x 735	9 225
2	Nova Scotia	New Scotia Power Corporation	2 x 138	600
3	New Brunswick	New Brunswick Electric Power Commission	1 x 138	200
4	Quebec	Hydro-Québec	2 x 230	700
5	Ontario	Hydro-Québec	2 x 230	300
6	Ontario	Hydro-Québec	2 x 230	300
7	Ontario	Hydro-Québec	2 x 230	300
8	Ontario	Hydro-Québec	2 x 230	300
9	Ontario	Hydro-Québec	2 x 230	300
10	Ontario	Hydro-Québec	2 x 230	300
11	Ontario	Hydro-Québec	2 x 230	300
12	Ontario	Hydro-Québec	2 x 230	300
13	Ontario	Hydro-Québec	2 x 230	300
14	Ontario	Hydro-Québec	2 x 230	300
15	Ontario	Hydro-Québec	2 x 230	300
16	Ontario	Hydro-Québec	2 x 230	300
17	Ontario	Hydro-Québec	2 x 230	300
18	Ontario	Hydro-Québec	2 x 230	300
19	Ontario	Hydro-Québec	2 x 230	300
20	Ontario	Hydro-Québec	2 x 230	300
21	Ontario	Hydro-Québec	2 x 230	300
22	Ontario	Hydro-Québec	2 x 230	300
23	Ontario	Hydro-Québec	2 x 230	300
24	Ontario	Hydro-Québec	2 x 230	300
25	Ontario	Hydro-Québec	2 x 230	300
26	Ontario	Hydro-Québec	2 x 230	300
27	Ontario	Hydro-Québec	2 x 230	300
28	Ontario	Hydro-Québec	2 x 230	300
29	Ontario	Hydro-Québec	2 x 230	300
30	Ontario	Hydro-Québec	2 x 230	300
31	Ontario	Hydro-Québec	2 x 230	300
32	Ontario	Hydro-Québec	2 x 230	300
33	Ontario	Hydro-Québec	2 x 230	300
34	Ontario	Hydro-Québec	2 x 230	300
35	Ontario	Hydro-Québec	2 x 230	300
36	Ontario	Hydro-Québec	2 x 230	300
37	Ontario	Hydro-Québec	2 x 230	300
38	Ontario	Hydro-Québec	2 x 230	300
39	Ontario	Hydro-Québec	2 x 230	300
40	Ontario	Hydro-Québec	2 x 230	300
41	Ontario	Hydro-Québec	2 x 230	300
42	Ontario	Hydro-Québec	2 x 230	300
43	Ontario	Hydro-Québec	2 x 230	300
44	Ontario	Hydro-Québec	2 x 230	300
45	Ontario	Hydro-Québec	2 x 230	300

B. MAJOR INTERCONNECTIONS BETWEEN CANADA AND THE U.S.A.

Map Sheet No.	Province/State	Interconnection	Circuits and Voltage (kV)	Design Capacity (MW)
19	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
20	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
21	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
22	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
23	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
24	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
25	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
26	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
27	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
28	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
29	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
30	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
31	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
32	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
33	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
34	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
35	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
36	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
37	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
38	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
39	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
40	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
41	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
42	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
43	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
44	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15
45	New Brunswick	New Brunswick Electric Power Commission	1 x 69	15

PRINCIPAL GENERATING STATIONS, 1987 (Capacity of 100 MW or greater)

No.	Station Name	Type	Main Fuel	Size (MW)	No.	Station Name	Type	Main Fuel	Size (MW)
1	Chapel Falls	Hydro	Water	9 225	101	Chaparral	Thermal	Coal	1 000
2	Chapel Falls	Hydro	Water	9 225	102	Chaparral	Thermal	Coal	1 000
3	Chapel Falls	Hydro	Water	9 225	103	Chaparral	Thermal	Coal	1 000
4	Chapel Falls	Hydro	Water	9 225	104	Chaparral	Thermal	Coal	1 000
5	Chapel Falls	Hydro	Water	9 225	105	Chaparral	Thermal	Coal	1 000
6	Chapel Falls	Hydro	Water	9 225	106	Chaparral	Thermal	Coal	1 000
7	Chapel Falls	Hydro	Water	9 225	107	Chaparral	Thermal	Coal	1 000
8	Chapel Falls	Hydro	Water	9 225	108	Chaparral	Thermal	Coal	1 000
9	Chapel Falls	Hydro	Water	9 225	109	Chaparral	Thermal	Coal	1 000
10	Chapel Falls	Hydro	Water	9 225	110	Chaparral	Thermal	Coal	1 000
11	Chapel Falls	Hydro	Water	9 225	111	Chaparral	Thermal	Coal	1 000
12	Chapel Falls	Hydro	Water	9 225	112	Chaparral	Thermal	Coal	1 000
13	Chapel Falls	Hydro	Water	9 225	113	Chaparral	Thermal	Coal	1 000
14	Chapel Falls	Hydro	Water	9 225	114	Chaparral	Thermal	Coal	1 000
15	Chapel Falls	Hydro	Water	9 225	115	Chaparral	Thermal	Coal	1 000
16	Chapel Falls	Hydro	Water	9 225	116	Chaparral	Thermal	Coal	1 000
17	Chapel Falls	Hydro	Water	9 225	117	Chaparral	Thermal	Coal	1 000
18	Chapel Falls	Hydro	Water	9 225	118	Chaparral	Thermal	Coal	1 000
19	Chapel Falls	Hydro	Water	9 225	119	Chaparral	Thermal	Coal	1 000
20	Chapel Falls	Hydro	Water	9 225	120	Chaparral	Thermal	Coal	1 000
21	Chapel Falls	Hydro	Water	9 225	121	Chaparral	Thermal	Coal	1 000
22	Chapel Falls	Hydro	Water	9 225	122	Chaparral	Thermal	Coal	1 000
23	Chapel Falls	Hydro	Water	9 225	123	Chaparral	Thermal	Coal	1 000
24	Chapel Falls	Hydro	Water	9 225	124	Chaparral	Thermal	Coal	1 000
25	Chapel Falls	Hydro	Water	9 225	125	Chaparral	Thermal	Coal	1 000
26	Chapel Falls	Hydro	Water	9 225	126	Chaparral	Thermal	Coal	1 000
27	Chapel Falls	Hydro	Water	9 225	127	Chaparral	Thermal	Coal	1 000
28	Chapel Falls	Hydro	Water	9 225	128	Chaparral	Thermal	Coal	1 000
29	Chapel Falls	Hydro	Water	9 225	129	Chaparral	Thermal	Coal	1 000
30	Chapel Falls	Hydro	Water	9 225	130	Chaparral	Thermal	Coal	1 000
31	Chapel Falls	Hydro	Water	9 225	131	Chaparral	Thermal	Coal	1 000
32	Chapel Falls	Hydro	Water	9 225	132	Chaparral	Thermal	Coal	1 000
33	Chapel Falls	Hydro	Water	9 225	133	Chaparral	Thermal	Coal	1 000
34	Chapel Falls	Hydro	Water	9 225	134	Chaparral	Thermal	Coal	1 000
35	Chapel Falls	Hydro	Water	9 225	135	Chaparral	Thermal	Coal	1 000
36	Chapel Falls	Hydro	Water	9 225	136	Chaparral	Thermal	Coal	1 000
37	Chapel Falls	Hydro	Water	9 225	137	Chaparral	Thermal	Coal	1 000
38	Chapel Falls	Hydro	Water	9 225	138	Chaparral	Thermal	Coal	1 000
39	Chapel Falls	Hydro	Water	9 225	139	Chaparral	Thermal	Coal	1 000
40	Chapel Falls	Hydro	Water	9 225	140	Chaparral	Thermal	Coal	1 000
41	Chapel Falls	Hydro	Water	9 225	141	Chaparral	Thermal	Coal	1 000
42	Chapel Falls	Hydro	Water	9 225	142	Chaparral	Thermal	Coal	1 000
43	Chapel Falls	Hydro	Water	9 225	143	Chaparral	Thermal	Coal	1 000
44	Chapel Falls	Hydro	Water	9 225	144	Chaparral	Thermal	Coal	1 000
45	Chapel Falls	Hydro	Water	9 225	145	Chaparral	Thermal	Coal	1 000
46	Chapel Falls	Hydro	Water	9 225	146	Chaparral	Thermal	Coal	1 000
47	Chapel Falls	Hydro	Water	9 225	147	Chaparral	Thermal	Coal	1 000
48	Chapel Falls	Hydro	Water	9 225	148	Chaparral	Thermal	Coal	1 000
49	Chapel Falls	Hydro	Water	9 225	149	Chaparral	Thermal	Coal	1 000
50	Chapel Falls	Hydro	Water	9 225	150	Chaparral	Thermal	Coal	1 000



Note: Generating stations and transmission-line corridors are shown current to December 31, 1987. Only generating stations with a capacity of 5 megawatts or more are shown on the map. In congested areas, a single symbol may represent several generating stations. The symbol size, in such cases, represents the combined capacity of all stations included. Corridors containing transmission lines of less than 220 kilovolts are omitted in Ontario and Quebec; those of less than 110 kilovolts are omitted in British Columbia, Alberta, Saskatchewan, Manitoba, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland. All lines are shown in the Yukon Territory and Northwest Territories.

The following electrical units are used on this map sheet:
MW - Megawatt (1 000 kilowatts)
GW.h - Gigawatt hour (1 000 000 kilowatt hours)
kV - kilovolt

Research by P. Harker, Geographical Services Division, Canada Centre for Mapping, Energy, Mines and Resources Canada in cooperation with P.C. Lee and C.B. Marvick, Electrical Energy Branch, Energy Commission Sector, Energy, Mines and Resources Canada. Cartography by the Geographical Services Division, Canada Centre for Mapping, Energy, Mines and Resources Canada.

ELECTRICITY EXPORTS, 1987

Exporting Province	Quantity (Billion kWh)	Revenue (\$ million)
New Brunswick	6 141	278.0
Quebec	18 401	248.8
Ontario	8 497	218.8
Manitoba	3 461	65.8
Saskatchewan	11 815	32.0
British Columbia	12 610	206.4
Northwest Territories	467	0.1
CANADA	47 428	1 210.9

ELECTRICITY GENERATION, CONSUMPTION AND TRADE, 1987 (GW.h)

Province/Territory	Generation	Consumption	Exports	Imports	Percentage of Total Generation	Percentage of Total Consumption
Newfoundland	40 990	30 393	9 997	0.0	9.7	7.2
Prince Edward Island	164	164	0.0	0.0	0.0	0.0
Nova Scotia	7 740	82	699	7 658	1.8	1.9
New Brunswick	12 493	1 164	6 141	6 022	2.9	2.8
Quebec	156 932	12 762	18			