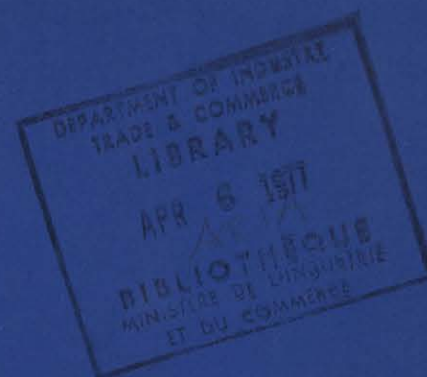


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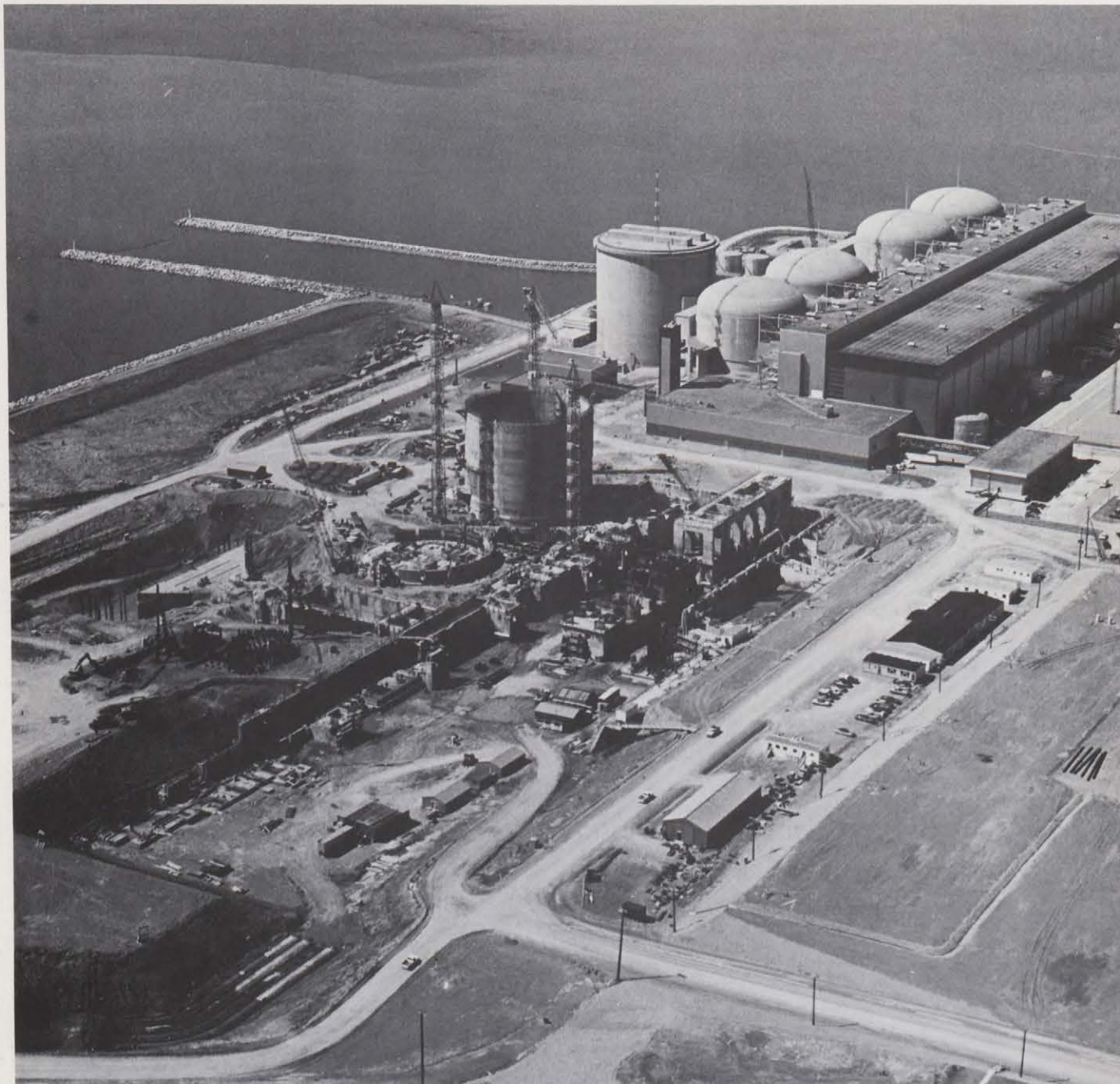
ELECTRICAL CANADA



*Canada Dept. of Industry Trade and
Commerce. Electrical and Consumer
Products Division*



An Export Directory of Canadian Electrical Manufacturers



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Initial construction for the second, identical 2,000 MW Pickering nuclear generating station. Two of the four existing reactors have already established power producing availability record.

Progress with Power

Canadian electrical manufacturers produced more than \$2,811,000,000 of equipment during 1975 in modern, well-equipped factories. This constantly expanding sector of the economy has kept pace with the increasing use of electric power by Canadians. Today, the Canadian per capita consumption of electricity is greater than in most other nations of the world.

The companies listed in this book are knowledgeable about export markets and highly qualified to represent the Canadian electrical manufacturing industry. They have the ability and the products to fulfill any order — large or small — anywhere.

Over the years, growing Canadian expertise has resulted from the execution of ever larger generation developments and the accompanying electrical transmission systems. These developments have included the 5,000 MW Churchill Falls hydro generation project in Labrador that employs only 11 generator units and the 2,000 MW Pickering nuclear generating station that has four generating units. Other large hydro sites in the course of development in Canada are the 2,200 MW Peace River project in British Columbia, the more than 1,200 MW Nelson River development in Manitoba, the 10,200 MW James Bay region development in Quebec. In the nuclear field, the 2,000 MW Pickering station is being twinned and two 3,200 MW generator groups, each composed of four units, are being built on the eastern shore of Lake Huron at the Bruce site. Conventional coal and oil burning generating stations with individual generators up to 570 MW in size are also under construction at other locations in Canada.

Many hydro generation projects are in isolated locations distant from load and population centres. Remote control techniques have been developed for these stations so that their outputs may be integrated most efficiently into the overall system. Sophisticated computer-based load forecasting techniques that take into account hourly, daily, weekly and seasonal load requirements have been developed by major Canadian utilities. These, together with computerized load flow programs and relative fuel cost considerations, are used to determine the most efficient use of resources available to meet the constantly changing load requirements.

Canada has supplied generating equipment of its own design and manufacture to other countries for several years and is currently supplying 700 MVA hydro units to the Grand Cōulee project in the United States. At the other end of the size scale, Canada can competitively supply smaller gas turbine generating sets. These units are frequently used for load peaking purposes and can often be supplied on a relatively short delivery schedule. Several of these units are in service in China, the Middle East, Africa and the Far East. Such export activities have made possible low cost power for more than 30 countries.

Canadian engineers were among the first to develop the use of ever higher voltages for primary transmission lines. The culmination came in 1965 when a 735 kV system was energized, linking the large power sites of northern Quebec with the load centres in the south. The even larger Churchill Falls project in Labrador connects to this same

735 kV system, adding more than 5,000 MW to the Hydro Quebec network.

In 1968 the new era of direct current transmission was introduced in Canada when an undersea cable linked Vancouver Island with mainland British Columbia at ± 260 kV, initially using the sea water as a return conductor. A few years later, the Nelson River project in northern Manitoba was commissioned. It employs a ± 450 kV transmission line more than 550 miles (880 km) long to carry power to Winnipeg in the southern part of the province. In 1972, a 320 MW asynchronous link, composed of two high voltage direct current (HVDC) converters connected back-to-back, was commissioned at Eel River, New Brunswick, between the Hydro Quebec and New Brunswick power systems. This converter of Canadian design and manufacture was the world's first commercial-sized unit employing solid-state power switching devices to be installed.

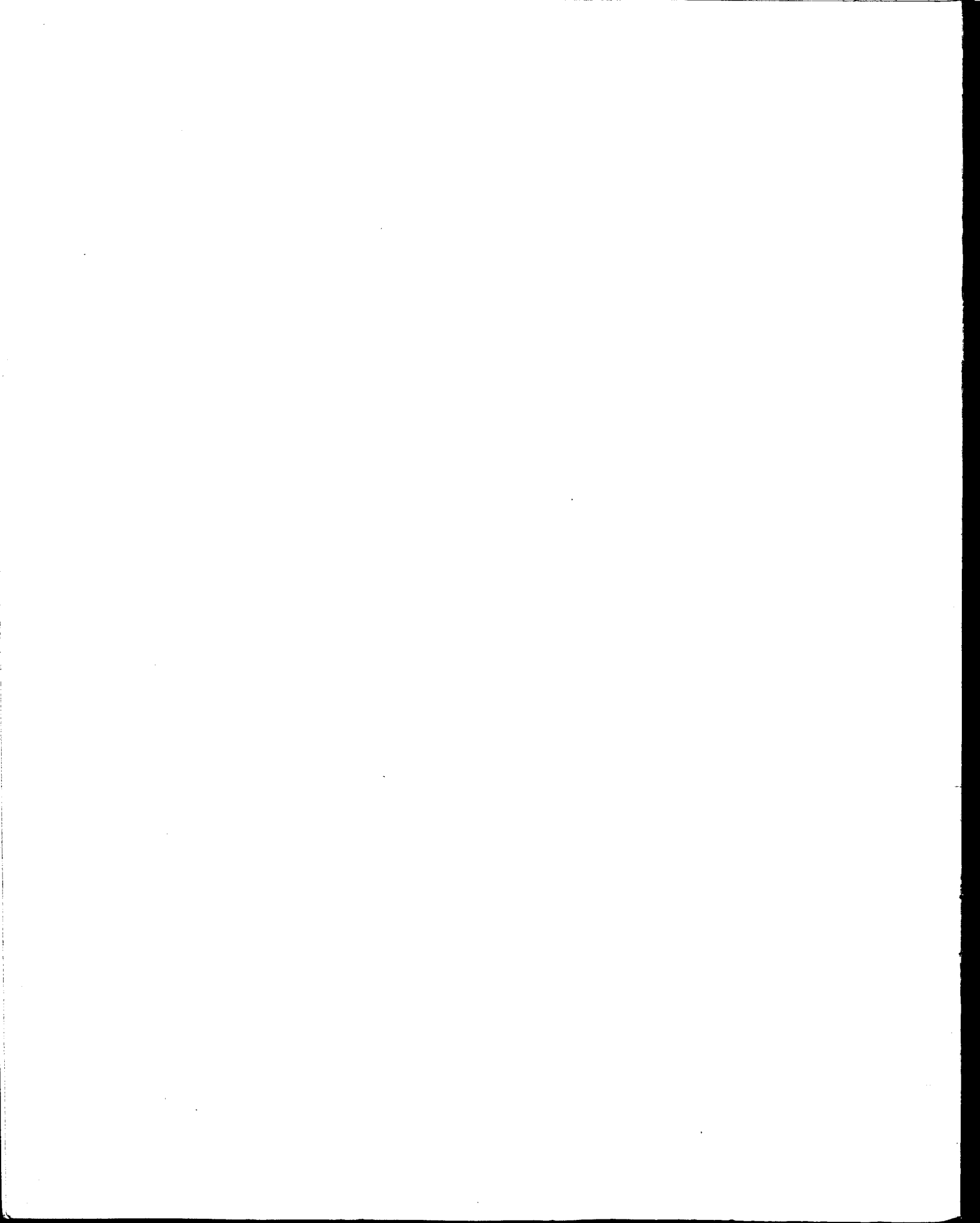
Canada's electrical power system serves a wide variety of industrial, commercial and domestic requirements. The development of these various types of distribution systems has led to the design, by specialized Canadian manufacturers, of the necessary high quality transformers, switching equipment, cables, terminating and connecting devices — all completely co-ordinated, whether the system is overhead or underground.

Today, Canada's advanced economy is based on thriving primary and secondary industries. Expansion of these industries, including mining, pulp and paper and others that have grown from the use of natural resource materials, has resulted in an increasingly important secondary manufacturing industry. Canada's electrical manufacturers have designed and produced the equipment of growing sophistication needed to meet the industry's needs.

AC and DC motors with individual and co-ordinated control using solid-state logic and conversion equipment, computer control and other specialized apparatus have been designed, manufactured and installed by Canadian companies. Steel, copper, aluminum and other metal extraction and processing industries, petro-chemical companies and others — all have been equipped by Canada's electrical manufacturers. Their success is due not only to intimate knowledge of the processes involved but their ability to adapt to the specialized equipment needed to control the production machinery.

Modern Canadian office buildings have underfloor systems for power and communications distribution to individual desks — unobtrusive yet flexible — and often the channels formed in the prefabricated steel or concrete floor sections are used.

Efficient distribution systems in multi-storey (high-rise) buildings feed the primary high-voltage power directly to substations located on several levels. The power is then transformed to a lower voltage for distribution up and down to several floors. This eliminates long, low-voltage feeders with their inherently high voltage drops and losses. Architects and builders in many countries of the world have taken advantage of the reliability and economy of such Canadian products.



Product Illustrations

Nuclear Power Generation

Hydro Power Generation

Transmission

Distribution

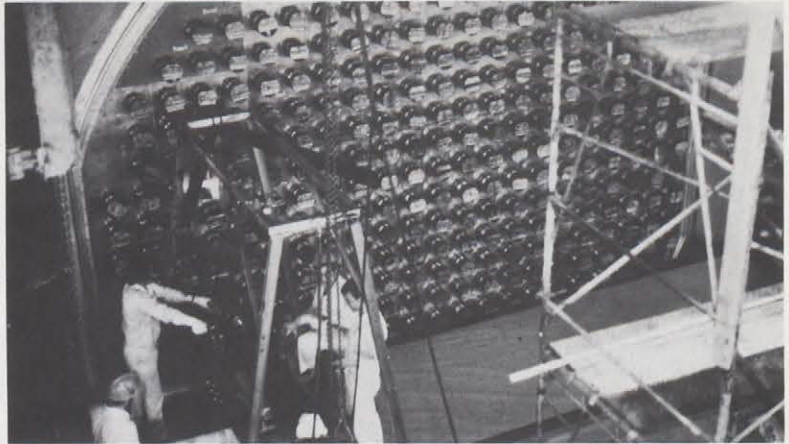
Industrial

Commercial

Lighting

Nuclear Power Generation

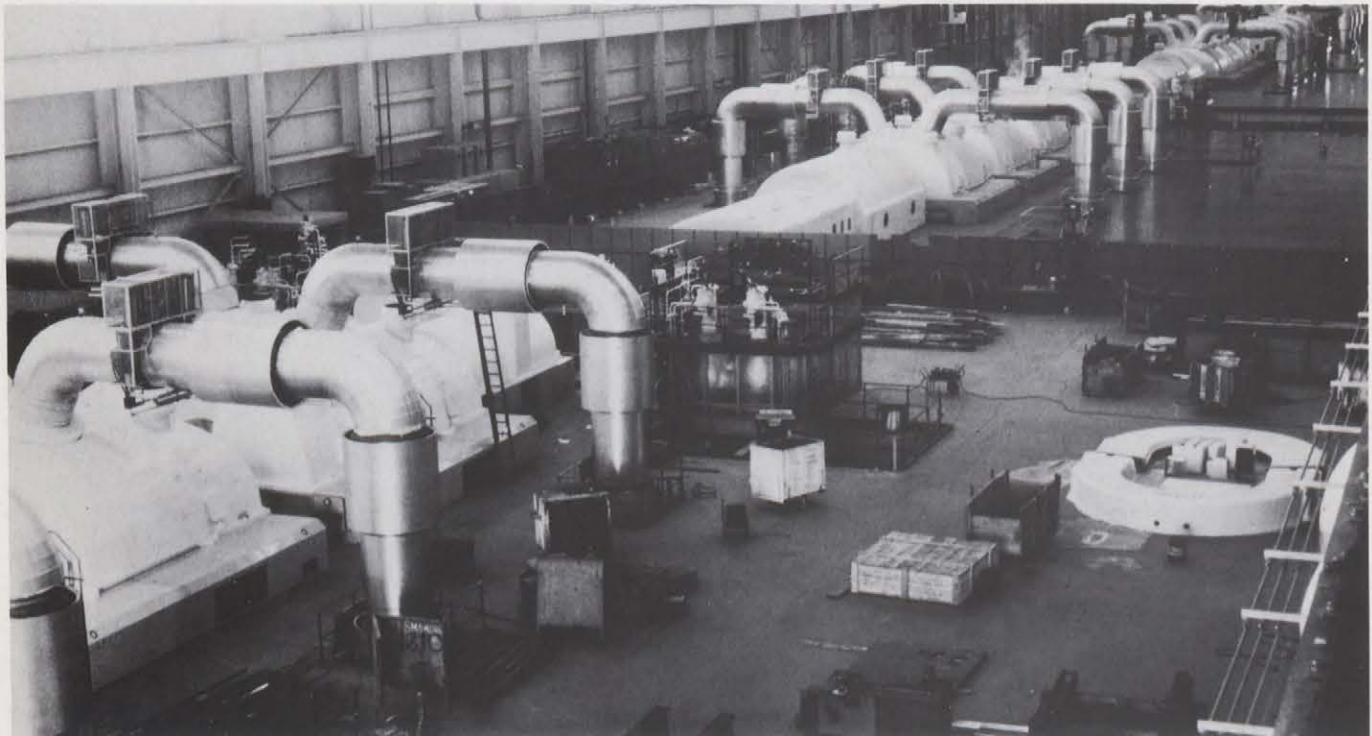
The Canadian-developed nuclear generation system has proved reliable in service and uses natural uranium as a low-cost, readily available fuel.



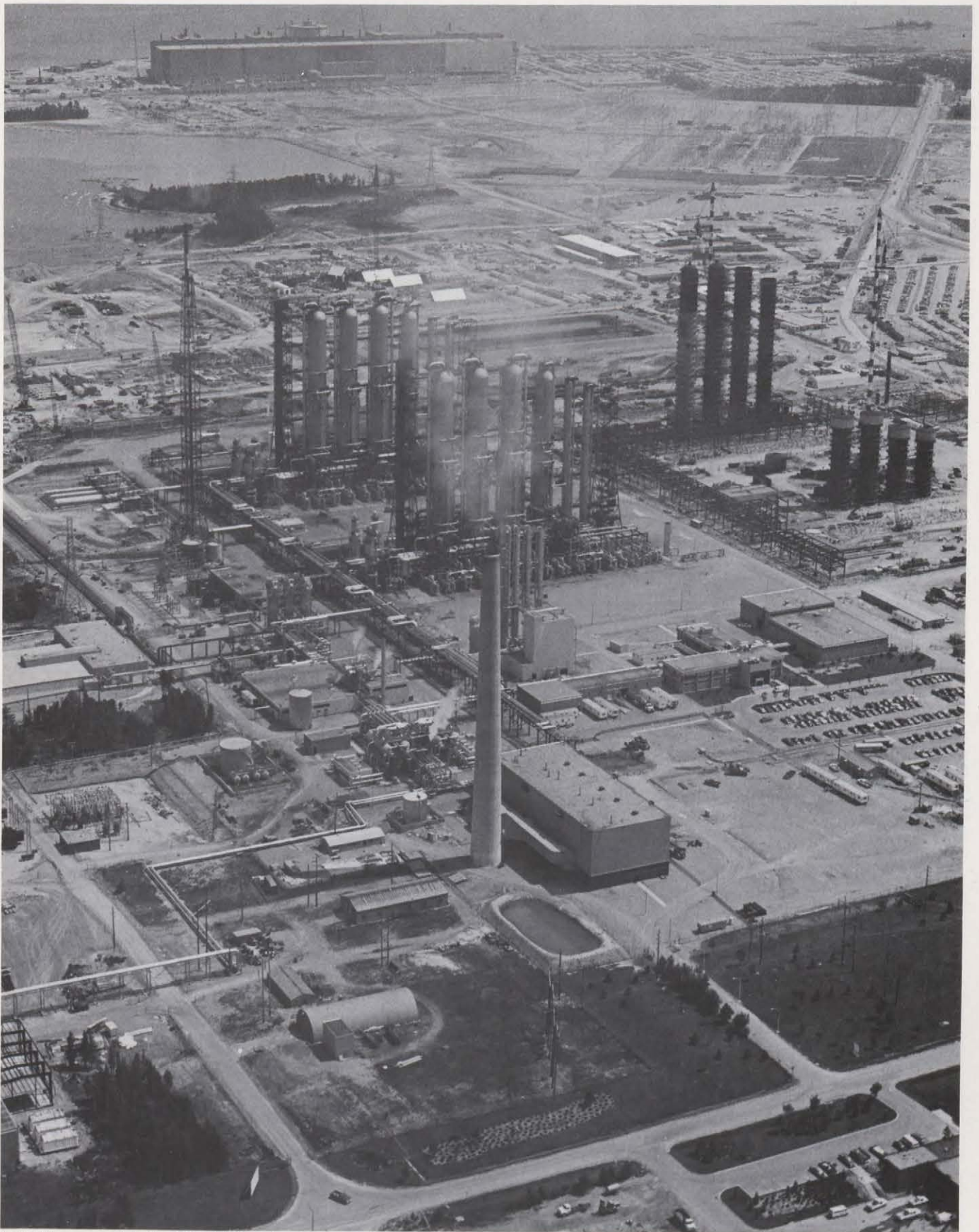
Hand loading of initial fuel charge into a nuclear reactor vessel at the nuclear power generating station, Pickering, Ontario, Canada.



One of the four nuclear reactor/turbine panels controlling a 500 MW generating unit at the Pickering station.



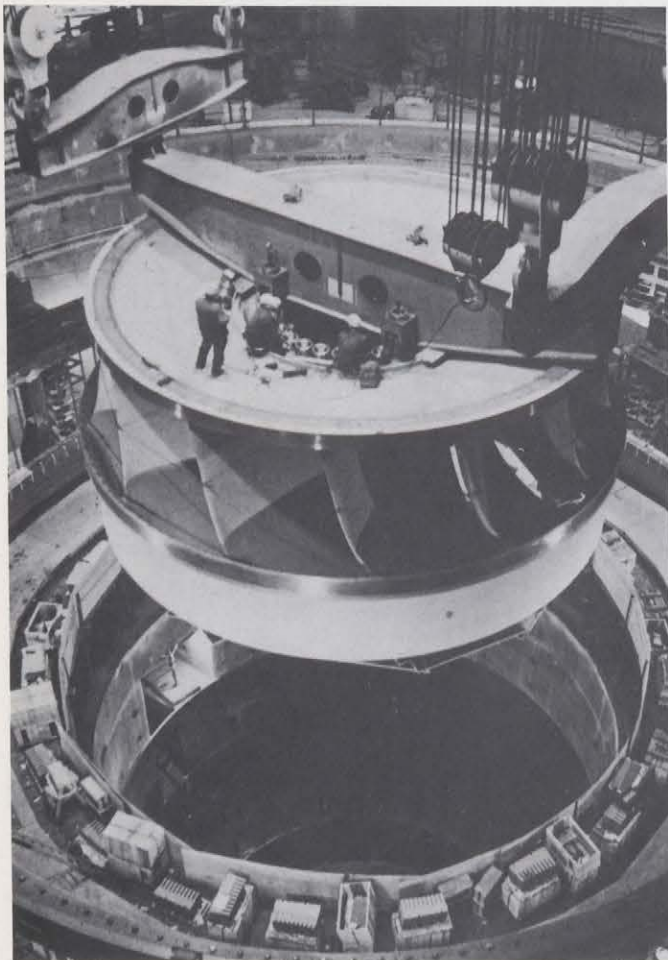
Turbogenerator hall, Pickering nuclear station. Unit in foreground is in final stages of erection.



In left foreground is the 200 MW Douglas Point Nuclear Station. Center is a heavy water extraction plant. In the background can be seen the 3200 MW Bruce Nuclear Generating Station currently under construction on the shore of Lake Huron, Canada.

Hydro Power Generation

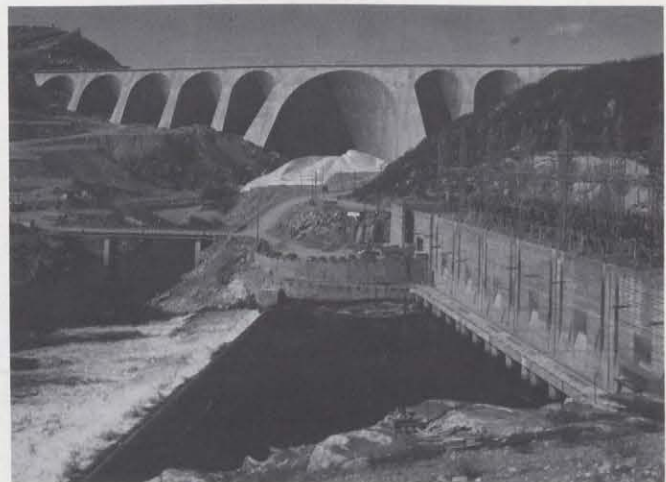
Canadian-designed and manufactured hydro generating equipment is providing low-cost power to more than 30 countries of the world.



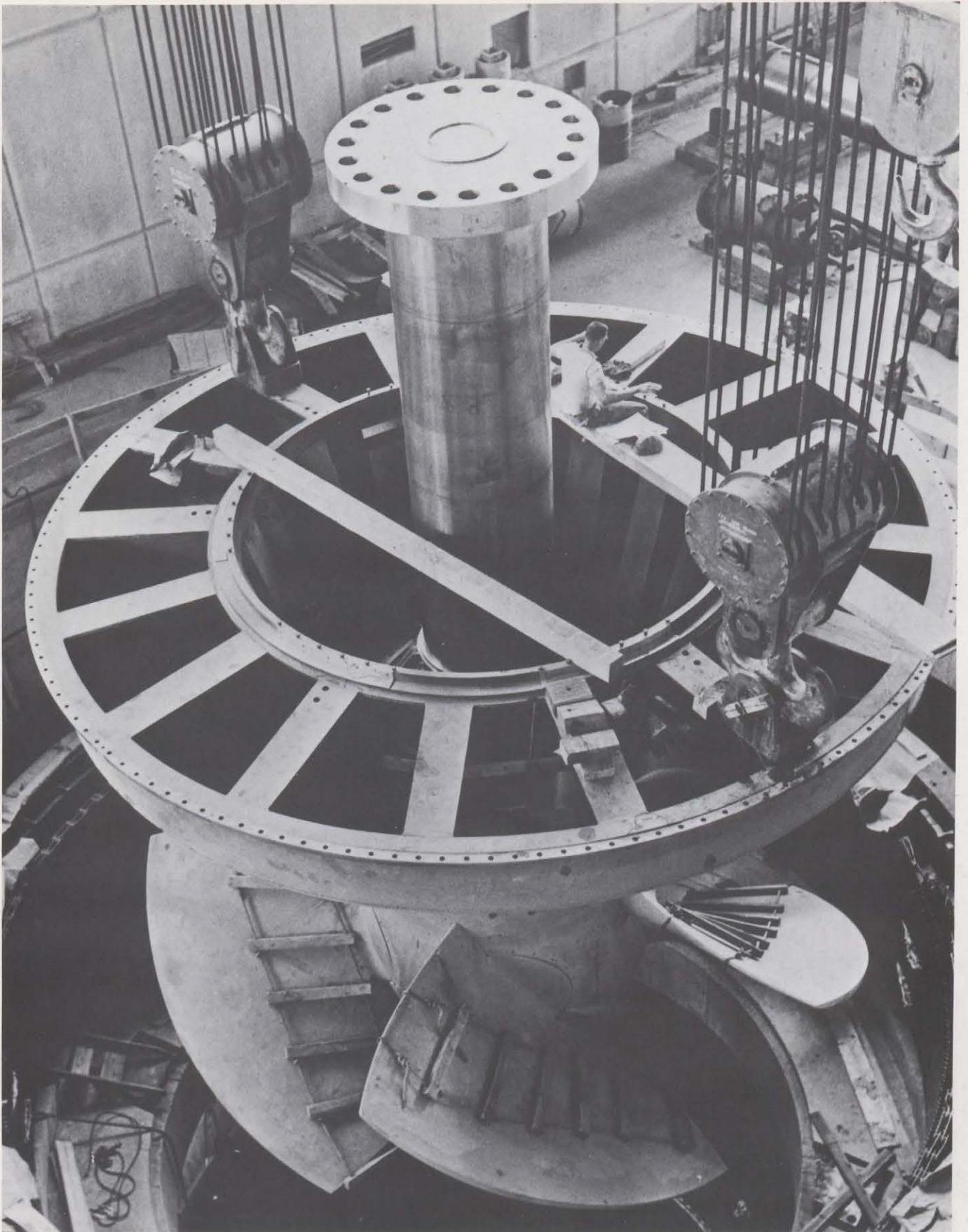
Francis type runner being lowered into position in a Canadian-designed turbine with a demonstrated capacity in excess of one million horsepower. The unit is located at the Grand Coulee Project on the Columbia River in the United States.



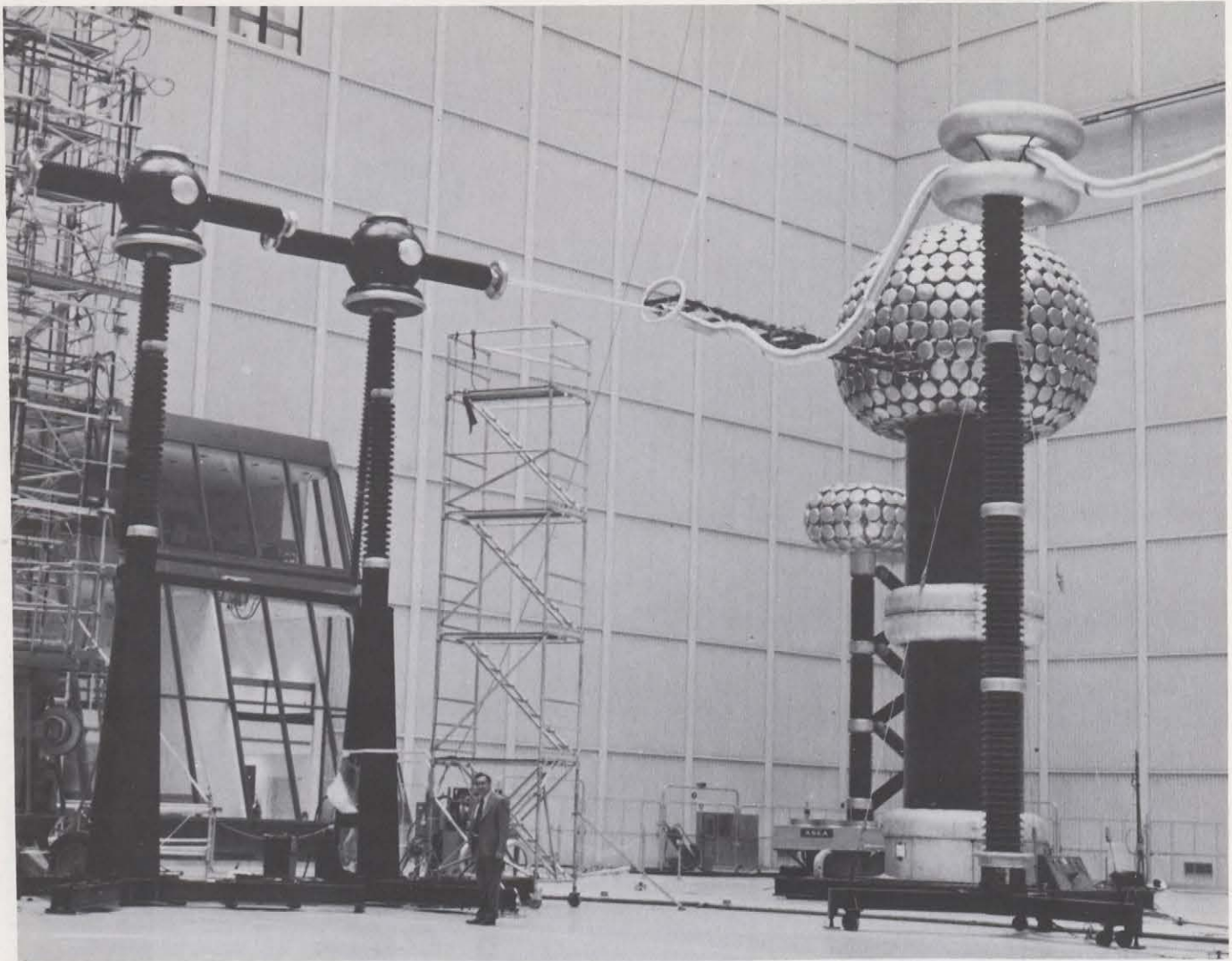
Underground power house construction at the Manicouagan III generating station.



The Daniel Johnson Dam forming the headwaters of the Manicouagan River system in Quebec. This arch type structure and associated power house were designed and constructed by Canadians.



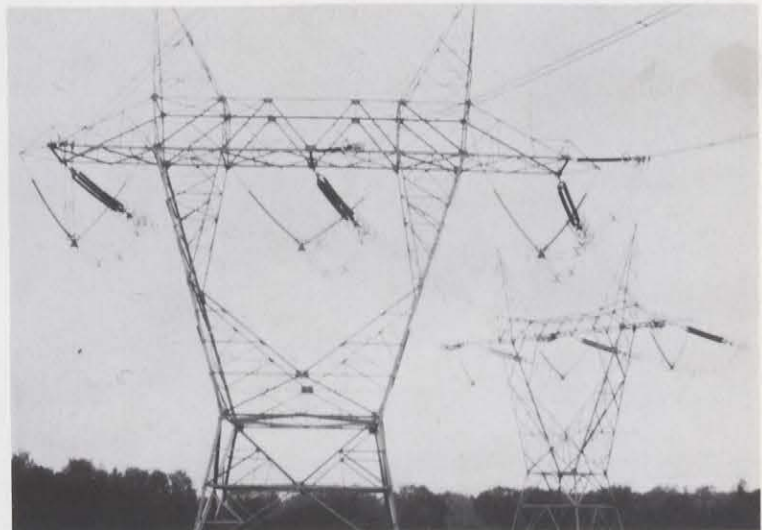
A Canadian-designed and fabricated turbine runner, typical of those supplied throughout the world, is lowered into its working position.



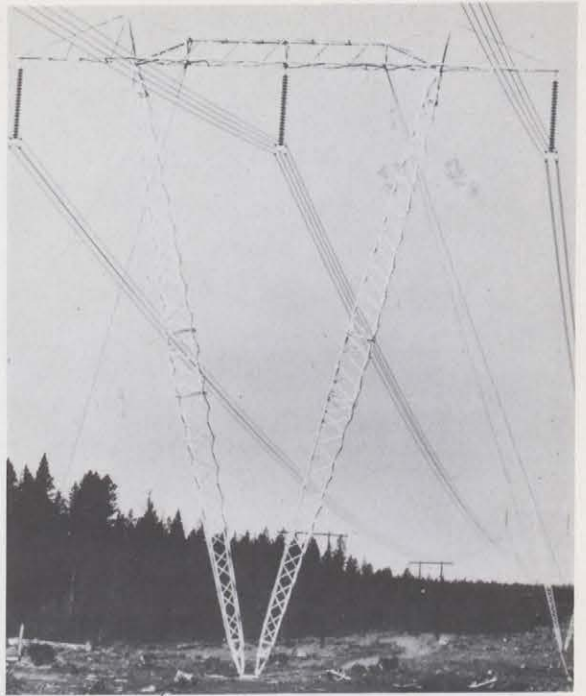
Canadian-developed EHV airblast circuit breakers being tested at the Hydro Quebec Research Centre.

Transmission

In size, Canada is second only to the U.S.S.R. but its population is concentrated along its southern border. Combined with extremes in topography and climate, this size has created a need for complex, reliable and rugged electrical networks, a need filled by Canadian-developed expertise and equipment now available to other countries.



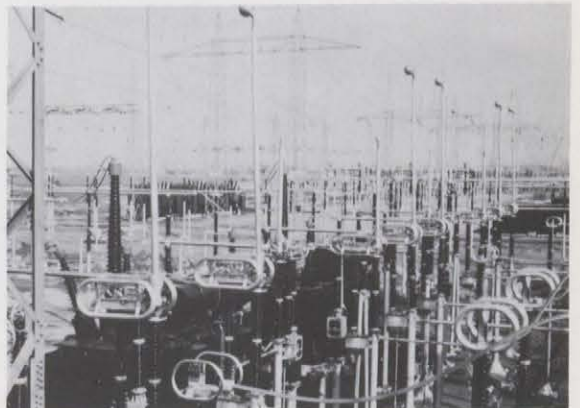
Canada has accumulated several years of successful 735 kV transmission experience on lines such as these.



500 kV line carrying power from a northern generating site to southern load centers.



Specially developed 250 ton capacity road transporter carrying a 500 MVA, 250 kV generator transformer to the remote Churchill Falls hydro site in Labrador, Canada.



735 kV switching yard at Hydro Quebec Research Centre.



Canadian underground distribution in residential areas uses transformers and associated switching mounted on concrete pads.

Distribution

The various types of distribution systems required in Canada have led to reliable, innovative and unique Canadian design.



Canadian overhead distribution in residential areas employs single-phase transformers and associated protective equipment.



Typical sub-transmission distribution station showing structure, transformer and outdoor switchgear.

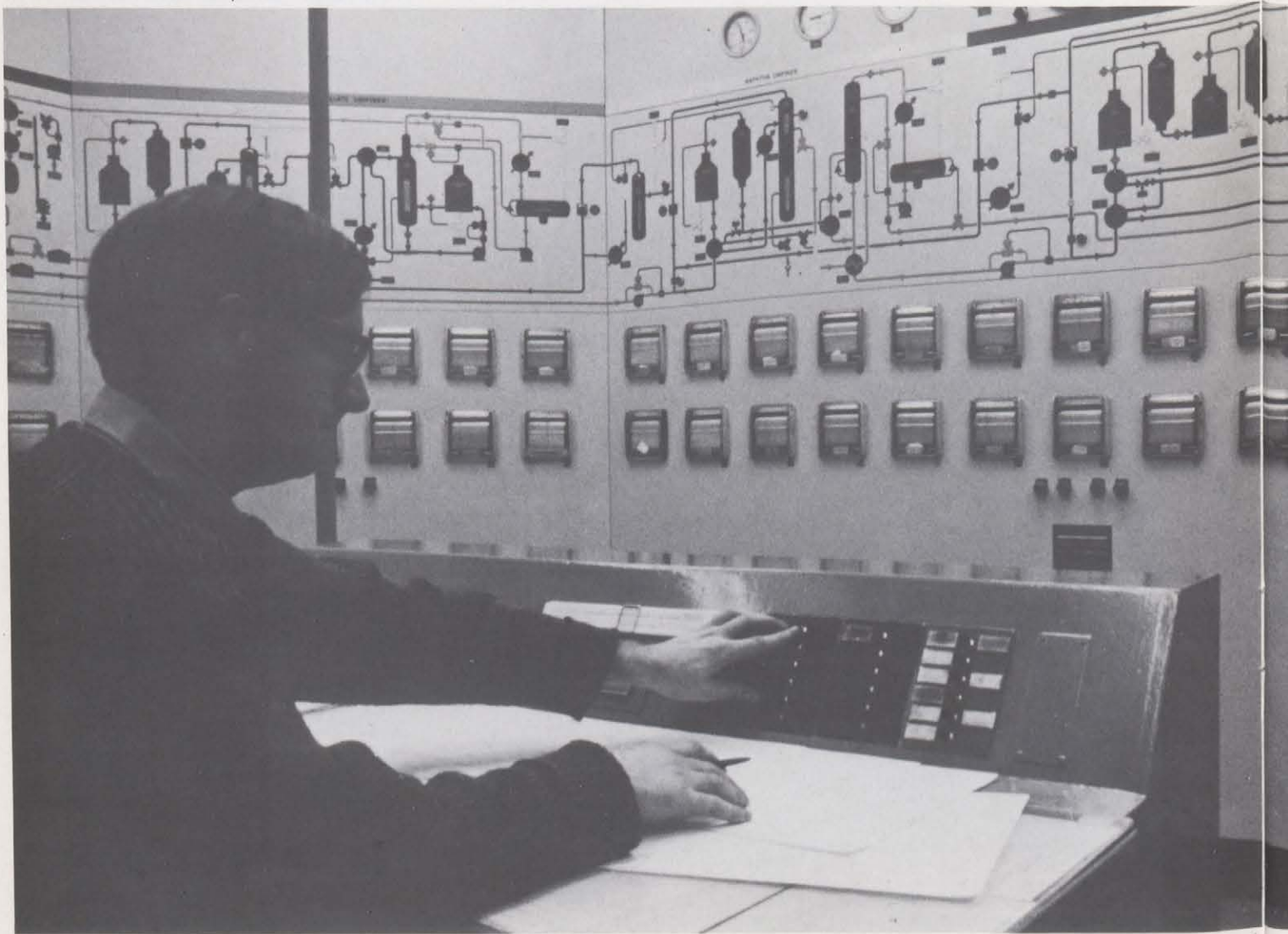


Canadian-made mobile substation recently supplied to a Venezuelan electrical utility. It is rated at 28 MVA, 3-phase, 60 Hz, 65°C rise with forced oil/forced air cooling. Primary winding is 67 kV delta connection with off-load taps. Secondary is reconnectable by an externally operated series parallel switch from 8320Y/4800 to 12470Y/7200 and has on-load tap changing. The circuit breaker has a 2000-amp continuous current rating.

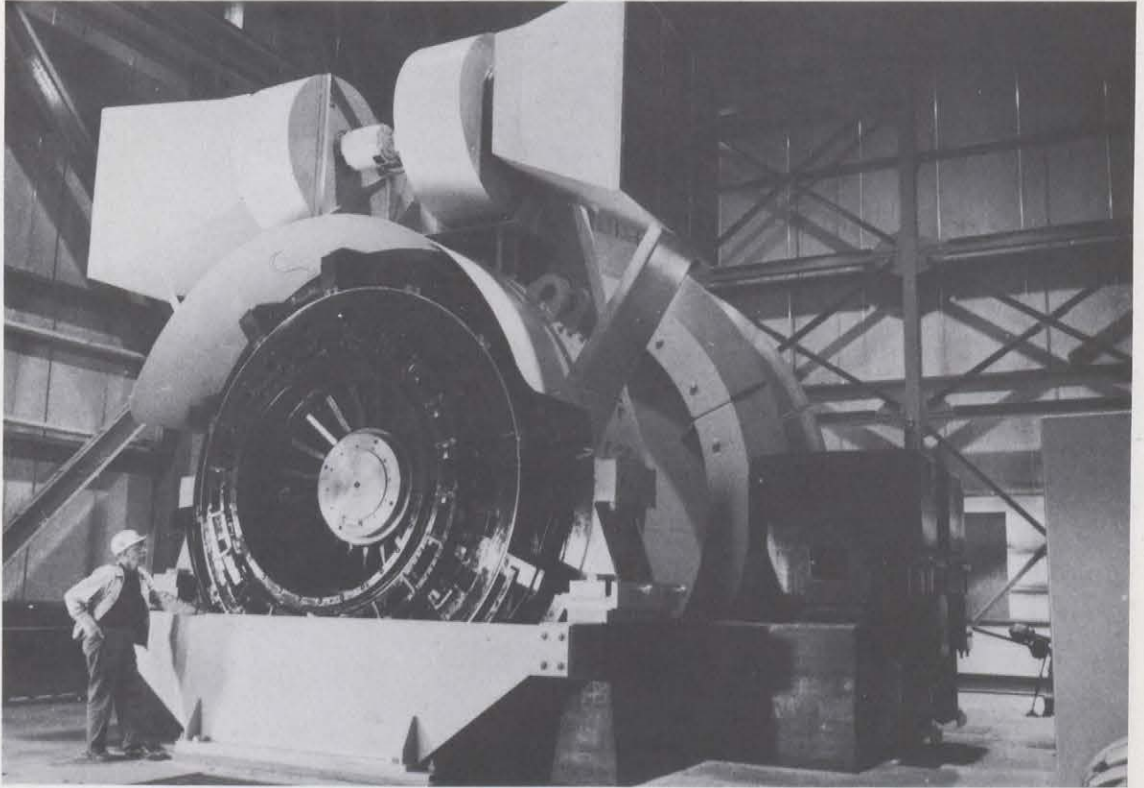
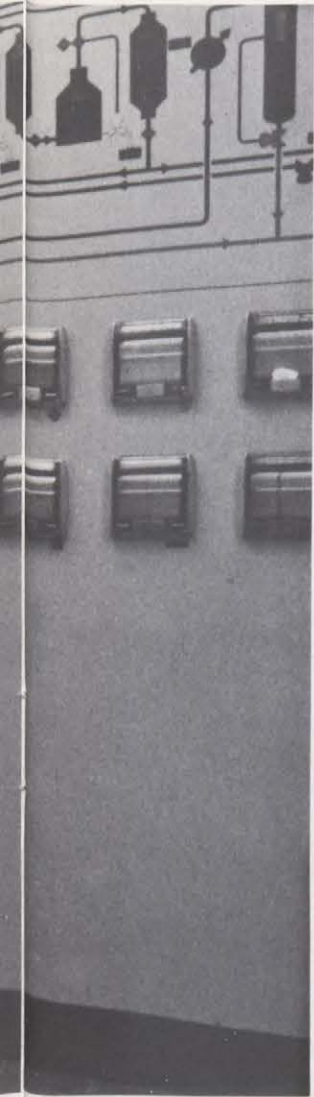
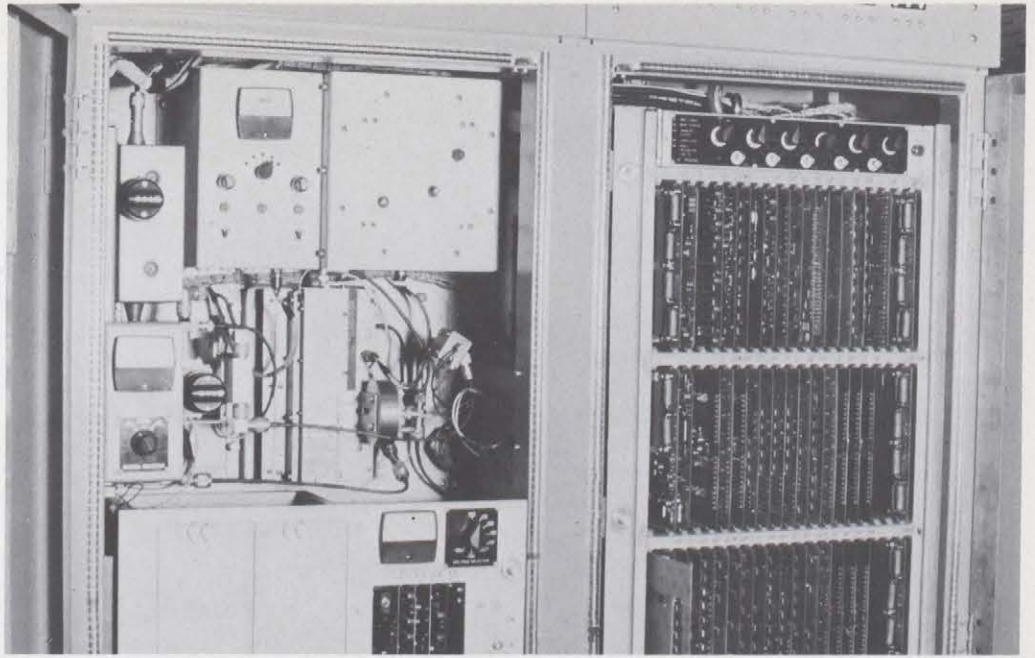
Industrial

Today Canada's advanced economy is based on thriving primary and secondary industries demanding the advanced, efficient equipment that Canadian electrical manufacturers produce.

Modern and highly efficient methods and equipment, such as this sophisticated control panel, are used to run Canada's industrial process industries.



Electrical and electronic control equipment plays an important and ever-increasing role in industry.



This is a service and production hoist at a Canadian mine. The complete friction hoists with DC drives were designed and manufactured in Canada.

Commercial

International and Canadian business needs are met with modern transportation, communication and building electrical supplies and equipment, manufactured in Canada.



Modern rapid transit system, like this one in Toronto, Canada's second largest city, depend on Canadian-built propulsion and signalling equipment.



Dwarfing the Toronto skyline is the 1,815-ft. (553-m) CN Tower — the highest free-standing structure in the world. The tower is topped with a 335-ft. (102-m) antenna mast for a variety of TV and communication uses. Near the tower is the 72-storey First Canadian Place, the tallest building in Canada and the Commonwealth. This and the other tall buildings shown utilize the most modern electrical and communication equipment built in Canada.



High-rise buildings present a particular challenge to fire protection systems because of their height, large floor area and high population density. Reliable communications are vital during a fire emergency and complete electronic supervision has proved to be the essential key.



Futuristic architecture — the city hall in Toronto is highlighted by electric lighting.

Lighting

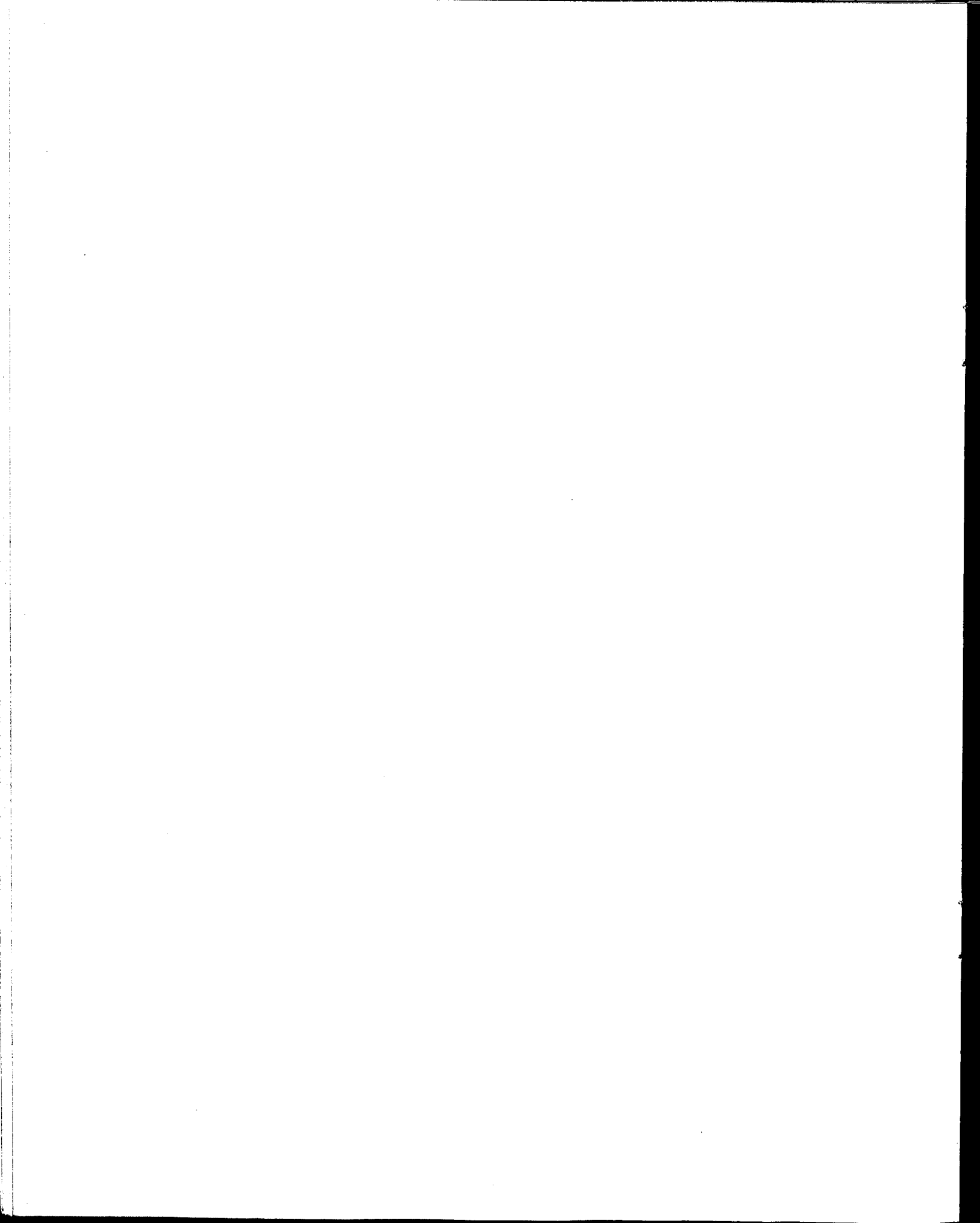
Canadian manufacturers are lighting the way with the latest in equipment and expertise.



Artistic, modern concepts in lighting bring beauty as well as practicality into Canadian buildings.



Huge banks of brilliant lights and electrically powered scoreboards allow Canadians to enjoy their favorite sports events well into the night.



Canadian Companies Supplying

**Electrical Equipment,
Components
and Services**

AIRCRAFT APPLIANCES & EQUIPMENT LIMITED

152 East Drive
Brampton, Ontario, Canada
L6T 1E1
Tel: (416) 791-1666
Telex: 069-7540
TWX: 610-492-4396

PRODUCTS:

Tachometer generators; voltage regulators; liquid level sensors; auxiliary power units; solid-state sign flashers; control devices; meters and instruments.

ALCAN CANADA PRODUCTS LTD.

P.O. Box 269
Toronto, Ontario, Canada
M5K 1K1
Tel: (416) 366-7211
Telex: 06-22641
Cable: ALCAN TOR

PRODUCTS:

Line connectors and bus clamps; bare aluminum and copper cable building wires; plastic and rubber insulated power cables.

ALLANSON MANUFACTURING COMPANY LIMITED

33 Cranfield Road
Toronto, Ontario, Canada
M4B 3H2
Tel: (416) 755-1191
Telex: 06-22588

PRODUCTS:

Oil burner ignition transformers; mercury vapor lighting ballasts; luminous tube transformers; battery chargers; fluorescent light ballasts (including cold weather types); special transformers and DC power supplies.

THE AMERICAN SUPERIOR ELECTRIC COMPANY, LTD.

38 Torlake Crescent
Toronto, Ontario, Canada
M8Z 1B3
Tel: (416) 255-2318
Telex: 06-967802

PRODUCTS:

Stepping motors, AC synchronous motors; numerical control equipment — point to point and contouring; tape readers; assembly systems; adjustable voltage transformers; automatic voltage regulators; light control equipment; electrical connectors.

APPLETON ELECTRIC LIMITED

750 Lawrence Street
Cambridge, Ontario, Canada
N3H 2N1
Tel: (519) 653-2581
Telex: 069-59396

PRODUCTS:

One time fuses; renewable fuses; renewable links; dual element fuses; HRC fuses; fuse fittings (dead front); electrical conduit fittings; junction boxes; cable reels; explosion proof electrical fittings and controls; marine fittings and lighting fixtures.

ARCHER ELECTRICAL SUPPLY CO. LTD.

3134 Lenworth Drive
Mississauga, Ontario, Canada
L4X 2G1
Tel: (416) 625-6375
Telex: 06-961396

PRODUCTS:

Transformers (padmount, load center, power, pole-type and distribution) switchgear; indoor, outdoor disconnect switches, circuit breakers, generators; motors, complete substations; all sizes wire and cable; custom design.

ARCWELD PRODUCTS LTD.

905, rue Hodge
Ville St-Laurent
Montréal (Québec) Canada
H4N 2B1
Tél. (514) 744-4961
Télex 05-826639

PRODUCTS:

Arc welding electrodes — mild steel, alloy steel, stainless steel — wear resistant (hard facing) electrodes and automatic wires; arc welding accessories including electrode holders, ground clamps and face shields; arc welding power sources of the transformer and rectifier types.

ARROW-HART OF CANADA LIMITED

216 Norseman Street
Toronto, Ontario, Canada
M8Z 2R4
Tel: (416) 236-1831
Telex: 06-217824

PRODUCTS:

Specialty switches; wiring devices, meter sockets.

ASEA INDUSTRIES LTD.

C.P. 2000
1600, Montée Ste-Julie
Varenes (Québec) Canada
J0L 2P0
Tél. (514) 652-2901
Télex 01-26332

PRODUCTS:

Power transformers for application in power systems, 20 MVA and larger, to 800 kV.

ASCOELECTRIC LTD.

P.O. Box 160
Brantford, Ontario, Canada
N3T 5M8
Tel: (519) 756-5287
Telex: 061-81149

PRODUCTS:

Manual and electrically operated throw over or transfer switches.

ATLAS POLAR CO. LTD.

P.O. Box 160
60 Northline Road
Toronto, Ontario, Canada
M4A 2N3
Tel: (416) 751-7740
Telex: 06-963580
Cable: ATLASPOLAR

PRODUCTS:

Engine generator sets, 10-500 kW.

BAILEY METER COMPANY LIMITED

205, boulevard Brunswick
Pointe Claire (Québec) Canada
H9R 1A5
Tél. (514) 697-6770
Télex RA525212
Câble BAILYCANDA

PRODUCTS:

Pneumatic and electronic systems; computers and instruments for power and process control — consisting of electronic computers, analog and digital data processing, electric or pneumatic gauges, meters, indicators, regulators, recorders, alarms control valves.

BÉDARD GIRARD INDUSTRIES LTD.

5845, boulevard Couture
St-Léonard (Québec) Canada
H1P 1A8
Tél. (514) 324-3200
Télex 05-828680
Cable GIRBED MONTREAL

PRODUCTS:

Custom built control panels, desks and consoles for utility, industrial

and marine applications; control metering and relaying panels and benchboards; electrical and pneumatic control and instrumentation panels, desks and benchboards; high voltage generator terminal and neutral cubicles; low and medium voltage metalclad and metal enclosed switchgear to 25 kV; sub-way signalling and power equipment, synchronous condensers, large display boards, Olympic matrix and alphanumeric scoreboards.

BREVEL PRODUCTS LIMITED

1370 Birchmount Road
Scarborough, Ontario, Canada
M1P 2E5
Tel: (416) 751-2111

PRODUCTS:

Shaded pole motors; gear motors; brake motors; four-speed record player mechanisms; display turntables.

**BRITISH COLUMBIA
TRANSFORMER CO. LTD.**

4336 Lougheed Highway
Burnaby, British Columbia
Canada
V5C 3Y8
Tel: (604) 298-3255
Telex: 043-54638

PRODUCTS:

Oil cooled distribution transformers, 1 and 3 phase, 10 to 750 kVA to 34.5 kV; oil cooled power transformers to 7.5 MVA and to 34.5 kV; dry type transformers 300 to 3000 kVA to 15 kV (95 kV BIL); specially designed transformers within the foregoing ratings.

BROWN BOVERI (CANADA) LTD.

4000 Trans-Canada Highway
Pointe Claire (Québec) Canada
H9R 1B2
Tél. (514) 697-6210
Télex 05-821542
Câble BROWNOVER

PRODUCTS:

Power line carrier equipment; motors; traction equipment; generators, 10 to 4000 kW; co-ordinated drive systems.

**A. D. BURFORD INTERNATIONAL
LIMITED**

358 Supertest Road
Downsview, Ontario, Canada
M3J 2M2
Tel: (416) 661-0842
Telex: 06-23251
Cable: BURFTOR

(Manufacturers' representative. Organization provides a co-ordinated tendering, purchasing, material consolidation and shipping function in the electrical product areas listed.)

PRODUCTS:

Appliances; ballasts; battery chargers; batteries; breakers; busways; cabinets; cable trays; conduits; conduit fittings; connectors; electronics components; electric heating; electrician's tools; emergency lighting; fire alarm systems; fuses; general purpose control; generators; insulators; lamps; lighting duct; lighting fixtures; lugs; meters; motor control centers; motors; outlet boxes; panelboards; pole line hardware; poles; PVC conduit; rectifiers; residential lighting; signal equipment; street lighting; switches; switchboards; tape; test equipment; transformers; troughs; underfloor duct; unit substations; wiring devices; wire and cable; wireways.

BURNDY CANADA LTD.

1530 Birchmount Road
Scarborough, Ontario, Canada
M1P 2G9
Tel: (416) 757-8761
Telex: 02-2343
Cable: BURCAN

PRODUCTS:

Cast copper or aluminum electrical power connectors; overhead distribution and transmission connectors and splices; connector installation tools; residential and urban underground connectors; cable tray support systems of aluminum and steel.

CAE ELECTRONICS LTD.

C.P. 1800, St-Laurent
Montréal (Québec) Canada
H4L 4X4
Tél. (514) 341-6780
Télex 05-827812
TWX 610-422-3063
Cable CAE IND

PRODUCTS:

Supervisory control and telemetry systems; computer control systems; solid-state telegraph and data communications systems; field maintenance, repair and overhaul, test and calibration services; flight simulators, commercial and military; magnetic anomaly detection equipment.

**CANADA ELECTRIC
INTERNATIONAL**

59 Penn Drive
Weston, Ontario, Canada
M9L 2A8
Tel: (416) 742-6110
Telex: 06-965776

Cable: CANLECTRIC TORONTO

(Not a manufacturer. Organization provides a co-ordinated purchasing, material consolidation and delivery function in the product areas noted).

PRODUCTS:

Wiring devices; transformers, panelboard; lighting fixtures; conduit fittings; motors and switches; fire alarm systems; meter sockets; wire and busduct; switchboards; motor control; light bulbs; circuit breakers; diesel generators; underfloor duct; burglar alarm systems; cable tray systems.

**CANADIAN CHROMALOX
COMPANY**

210 Rexdale Boulevard
Rexdale, Ontario, Canada
M9W 1R4
Tel: (416) 743-8000
Telex: 062-17743

PRODUCTS:

Electrical heating elements — tubular, range, ring, strip and cartridge; hot plates; melting pots; immersion heaters; radiant heaters; baseboard heaters; heating cable; swimming pool heaters; oil, water, steam and air circulation heaters; complete building heating systems; electric steam and hot water boilers; heat transfer systems; heating/air conditioning units.

**CANADIAN CONTROLLERS
LIMITED**

1550 Birchmount Road
Scarborough, Ontario, Canada
M1P 2H1
Tel: (416) 757-5111
Telex: 06-963-568

PRODUCTS:

AC and DC magnet operated brakes; AC manual controllers; resistors and rheostats; DC magnetic starters and controllers; AC magnetic starters and controllers; special relays and switches; special controllers; AC fire pump motor starters; control accessories such as push button units, master, limit, hatchway, track type, rotating cam, gear type and foot switches; centrifugal switches.

CANADIAN DYNAMICS LIMITED

8264 St. George Street
Vancouver, British Columbia
Canada
V5X 3S6
Tel: (604) 325-3201
Telex: 04-55303

PRODUCTS:

Corrosion control rectifiers; battery chargers; battery eliminators; computer interface equipment; supervisory control systems; process control systems; digital data transmission systems; converters, solid-state; inverters, solid-state; regulated DC power.

CANADIAN GENERAL ELECTRIC CO. LTD.

1900 Eglinton Avenue East
Scarborough, Ontario, Canada
M1L 2M1
Tel: (416) 751-3220
Telex: 06963-622
Cable: CGEXPORT TORONTO

PRODUCTS:

Utilities: cable ducting systems, hydro-electric generators; power and distribution transformers; oil and air blast circuit breakers; switchgear; control and relay boards; busduct; capacitors; instrument transformers; transformer bushings; uranium oxide fuel pellets. *Industrial:* paper machine drives; steel mill drives; process control computers; mine hoists; motors AC and DC; motor control; propulsion equipment and control for transportation equipment; wire and cable; solid-state conversion equipment; Carboloy cutting tools. *Commercial:* traffic control; lighting; distribution panels; wiring devices; electric heating equipment; under-floor duct. *Components:* meters and instruments; ballasts; appliance controls; timers; fluorescent, incandescent and photoflash lamps; insulating materials and compounds; custom molded plastics; control components and relays; fuses.

CANADIAN OHIO BRASS COMPANY LTD.

P.O. Box 267
Niagara Falls, Ontario, Canada
L2E 6T5
Tel: (416) 354-3891
Telex: 061-5159

PRODUCTS:

High voltage electrical porcelain insulators; lightning arresters; trans-

former bushings; special porcelain shapes; transmission line hardware; insulated aerial platforms to 600-kV; aerial ladders and service bodies.

CANADIAN PORCELAIN COMPANY LIMITED

P.O. Box 428
100 Beddoe Drive
Hamilton, Ontario, Canada
L8N 3J2
Tel: (416) 522-4648
Telex: 061-8633
Cable: CANPORC

PRODUCTS:

Wet process high voltage porcelain insulators for distribution and transmission, substation apparatus, electrical apparatus, special applications.

CANADIAN RESEARCH INSTITUTE

Division of Criterion Instruments Limited
85 Curlew Drive
Don Mills, Ontario, Canada
M3A 2R2
Tel: (416) 445-6363
Cable: CANEXIA TORONTO

PRODUCTS:

Analyzers — electric utility, industrial; battery chargers; inverters; bridges — capacitance, conductivity, Kelvin, Wheatstone; converters; circuits — miniature, modular, plug-in circuit board, encapsulated; calibration services; cable fault locators; generators — electrostatic, high voltage; meters and indicators — contactless, industrial panel, precision portable, color/gloss, opacity. Repair and overhaul services of a variety of electrical control and measurement devices (potentiometers, power supplies, pyrometers, regulators, shunts, test sets, transformer ratiometers and similar equipment).

CANADIAN STACKPOLE LTD.

Medical Products Division
550 Evans Avenue
Toronto, Ontario, Canada
M8W 2V6
Tel: (416) 255-2373
Telex: 06-967730
Cable: STACKPOLE

PRODUCTS:

Line isolation monitors with inherent hazards index of less than 25 microamps; isolated power systems ½ to 25 kVA for hospital applications; biomedical electrical tester ranges

0-300 VAC, 0-2 ohms, 0-2 megohms, 0-20 microamps, 1-20 MVAC, 0-150 VAC, isolated output 120 VAC to 550 VA maximum, input 120 VAC.

CANADIAN WHITE STAR PRODUCTS LIMITED

1240, boulevard Laurentian
St-Laurent, Montréal
(Québec) Canada
H4R 1J8
Tél. (514) 336-6134
Télex 05-826590

PRODUCTS:

Electrical heaters; thermostats; electric elements; Teletemp alarm systems; ground fault circuit interrupters.

CANREP LIMITED

3745, rue St-James ouest
Montréal (Québec) Canada
H4C 1H4
Tél. (514) 933-6741
Télex 01-20386

PRODUCTS:

Low voltage and high voltage bus-duct up to 60 kV and 30,000 amps using either standard convection cooling, forced air or water cooling; furnace bus, self cooled, tube or bar water cooled; junction boxes, 600 volt, 5 kV-15 kV; specialized high current products.

CANRON LIMITED

Eastern Structural Division
100 Disco Road
Rexdale, Ontario, Canada
M9W 1M1
Tel: (416) 677-2700
Telex: 06-968622

PRODUCTS:

Poles for hydro transmission custom engineered from 115 kV to 765 kV; full service load tests; galvanized or protective coating to match the environment; adaptable hydro substations; high mast highway or stadium lighting; esthetic and environmental requirements of hydro electric utilities.

CARTE ELECTRIC LTD.

1995 Logan Avenue
Winnipeg, Manitoba, Canada
R2R 0H8
Tel: (204) 633-7220
Telex: 07-55423

PRODUCTS:

Single-phase distribution transformers, 10 to 250 kVA, to 25 kV, 50

and 60 Hz, pole and padmount types; three-phase distribution and small power transformers to 2500 kVA and to 46 kV, 50 and 60 Hz.

JAMES B. CARTER LIMITED

P.O. Box 962
Osborne and Mulvey Avenue
Winnipeg, Manitoba, Canada
R3C 2V3
Tel: (204) 452-2005
Telex: 07-57607

PRODUCTS:

Automotive division: engine heaters; interior car warmers; battery blankets; drive-in theater car warmers; robot timers; service station signals; rear deck defoggers. *Electric heating division:* baseboard heaters; cabinet convection heaters; unit heaters; wall insert heaters; industrial air heaters; portable heaters; construction heaters; duct heaters; radiant heaters; electro-hydrionic heaters; industrial process heaters; floor insert heaters; portable water heaters; stock tank heaters; tubular elements custom designed; water heaters; infra-red heaters.

CEB LIMITED

950 Warden Avenue
Scarborough, Ontario, Canada
M1L 4E2
Tel: (416) 759-2281
Telex: 06-96375

PRODUCTS:

Cable trough and accessories; panelboards, fusible and circuit breaker to 600 V; cabinets and splitter troughs; residential load centers to 250 V; molded case circuit breakers to 250 V and to 100 A; three-phase safety switches to 600 V and to 1200 A; kWh meter sockets; unit substations and switchgear to 15 kV; busduct to 5000 A and 600 V; commercial, institutional and industrial fluorescent lighting; electric baseboard heating.

CEGELEC INDUSTRIES INC.

C.P. 280
1400, boulevard Industriel
LaPrairie (Québec) Canada
J5R 2E5
Tél. (514) 659-5457
Télex 05-25484
Câble CEGINDUS MONTREAL

PRODUCTS:

Suspension insulators, 15,000, 25,000, 36,000 and 50,000 lbs.; post insulators; airblast circuit breakers,

115 to 800 kV to 100 kA, and air systems; disconnect connect switches 15-800 kV.

CENTURY ELECTRIC DIVISION

Gould Mfg. of Canada Ltd.
47 Metcalfe Street
St. Thomas, Ontario, Canada
N5R 3K4
Tel: (519) 633-0050
Telex: 064-73512

PRODUCTS:

Three-phase induction motors ¼ to 600 hp; single-phase motors ¼ to 10 hp; direct current motors ¼ to 5 hp.

C & M PRODUCTS LIMITED

189 Bullock Drive
Markham, Ontario, Canada
L3P 1W4
Tel: (416) 297-3000
Telex: 06-219854 LD
TWX: 610-492-5119

PRODUCTS:

Lighting fixtures, residential and commercial/industrial.

COLUMBIA ELECTRIC LIMITED

148, rue Boyer, St-Isidore
LaPrairie (Québec) Canada
J0L 2A0
Tél. (514) 691-2220
Télex 05-25348

PRODUCTS:

Domestic and industrial incandescent and fluorescent lighting fixtures; outdoor post mounted lighting fixtures; fixture accessories.

COMMERCIAL ENCLOSED FUSE CO.

406 Adelaide Street East
Toronto, Ontario, Canada
M5A 1N4
Tel: (416) 366-7671
Telex: 06-219717

PRODUCTS:

Renewable fuses 250 V and 600 V; one-time midget and indicating fuses, 250 V and 600 V; small dimension fuses; plug fuses; dual element, fustats and adapters; special and high voltage fuses; fuse wire, reducers, pullers and in-line fuse holders.

CONDUFLOR CANADA LIMITED

80 Thomas Street
Streetsville, Ontario, Canada
L5M 1Y9
Tel: (416) 270-7500
Telex: 06-97508

PRODUCTS:

Underfloor duct systems for distribution of power; telephone and signal services and associated equipment; television overhead walkway lighting distribution systems.

CONTINENTAL CABLES & CONDUITS

P.O. Box 550
Colborne, Ontario, Canada
K0K 1Z0
Tel: (416) 355-3301
Telex: 06-62298

PRODUCTS:

Aluminum and steel flexible conduits; liquid-tight flexible conduits (Conseal).

CROUSE-HINDS OF CANADA LIMITED

1160 Birchmount Road
Scarborough, Ontario, Canada
M1P 2B9
Tel: (416) 757-8781
Telex: 06-963569
Cable: CROHINDS TOR

PRODUCTS:

Low voltage distribution equipment, outlet boxes and covers; combination house panels; outdoor service centers; circuit breakers, load centers, service entrance switches; industrial power and lighting panelboards; industrial safety switches; outdoor area lighting for parking lots, sports arenas and fields, architectural floodlighting; airport runway lights, tower obstruction lights and beacons; industrial lighting fixtures for incandescent or HID sources in ordinary or hazardous locations, heavy-duty plugs and receptacles, outlet boxes, fittings, cable connectors, unions and seals, junction boxes, enclosed motor starters and circuit breakers, control panels, switchracks, push button and pilot light stations, all for hazardous and non-hazardous locations.

CTS OF CANADA LIMITED

80 Thomas Street
Streetsville, Ontario, Canada
L5M 1Y9
Tel: (416) 826-1141
Telex: 06-97508
Cable: CTSTOR

PRODUCTS:

Rectifier power supplies to 250 kVA and 600 V; static inverters to 150 kVA poly-phase and to 600 V;

uninterruptible power systems to 150 kVA, including system start-up assistance; power filters to give 3 to 5% total harmonic distortion in AC output.

CUTLER-HAMMER (CANADA) LTD.

45 Progress Avenue
Scarborough, Ontario, Canada
M1P 2Y6
Tel: (416) 293-3673
Telex: 06-217643
TWX: 610-492-4376

PRODUCTS:

Motor control equipment and accessories to 600 V; DC crane control for heavy industrial application; motor control center equipment.

DAVIS CONTROLS LIMITED

4251 Dundas Street West
Toronto, Ontario, Canada
M8X 1Y3

Mailing Address:

P.O. Box 160
Islington, Ontario, Canada
M9A 4X2
Tel: (416) 233-3211
Telex: 06-967684
Cable: CONTROLS TORONTO

PRODUCTS:

Bourdon tube type temperature and pressure switches; diaphragm type pressure switches; capacitance and conductivity type level control probes; level control relays — capacitance, conductivity, ultrasonic, sonic, gamma ray; high temperature and high pressure penetrations; motor controls.

DELTA ENTERPRISES (SARNIA) LTD.

P.O. Box 2049
117 Samuel Street
Sarnia, Ontario, Canada
N7T 7L3
Tel: (519) 337-5464
Telex: 064-76147

PRODUCTS:

Single to 3-phase rotary phase converters, 1/2 to 150 hp, 240, 480 and 600 volts, 50 or 60 Hz.

DEUTZ DIESEL (CANADA) LTD.

90, Montée de Liesse
Montréal (Québec) Canada
H4T 1N4
Tél. (514) 341-6540
Télex 05-826776
Câble AIRDIESEL

PRODUCTS:

Diesel generating sets for prime and standby power; no break generating sets; diesel engines air cooled from 5-350 hp, liquid cooled from 100-6400 hp; diesel pumping sets.

DOMINION BRIDGE COMPANY LIMITED

P.O. Box 895
Winnipeg, Manitoba, Canada
R3C 2T1
Tel: (204) 947-0111
Telex: 07-57753

PRODUCTS:

Transmission towers and substations; line hardware.

DOMINION CUTOUT LIMITED

155 Nantucket Boulevard
Scarborough, Ontario, Canada
M1P 2P2
Tel: (416) 759-9377
Telex: 06-217887

PRODUCTS:

Distribution cutouts, fuse links and hook stick operated disconnect switches to 27 kV; hook stick operated power disconnect switches to 115 kV and 2000 A; group operated disconnect switches to 230 kV and higher; power fuses to 115 kV; in-line disconnectors 5 to 44 kV; in-line fuses 5 to 27 kV.

DOMINION ENGINEERING WORKS, LIMITED

795, 1^e Avenue
Lachine (Québec) Canada

Mailing Address:

C.P. 220
Montréal (Québec) Canada
H3C 2S5
Tél. (514) 634-3411
Télex 05-821673
Câble DOMWORKS

PRODUCTS:

Hydraulic turbines, Francis, propeller, Kaplan and impulse; pump turbines; storage pumps; penstock valves, butterfly and spherical.

DOMTAR CONSTRUCTION MATERIALS LIMITED

2001, rue University
Montréal (Québec) Canada

Mailing Address:

C.P. 6138
Montréal (Québec) Canada
H3C 3K4
Tél. (514) 282-5646
Télex 01-2809
TWX 610-421-3218

PRODUCTS:

Standard and high temperature fiber conduit for installation in a concrete envelope; PVC conduit for concrete encasement; thermosetting plastic laminates including copper-clads for printed circuits; polyester reinforced laminates; vulcanized fiber (plastic laminates and fiber in sheet, rod and tube form and fabricated parts).

DRESSER ELECTRIC LIMITED

877 Walker Road
Windsor, Ontario, Canada
N8Y 2N4
Tel: (519) 256-8254
Telex: 064-77757

PRODUCTS:

Dry type distribution transformers (25 kV BIL), 2 to 750 kVA to 5 kV (25 kV BIL); dry type furnace transformers to 750 kVA; saturable reactor to 700 kVAR; battery chargers to 30 A and 28 V; DC power supplies 25 to 15,000 A, 6 to 300 V; electro-plating rectifiers to 15,000 A; wound type cores for transformers to 750 kVA.

DUO-MATIC/OLSEN

P.O. Box 600
9230 Islington Avenue
Woodbridge, Ontario, Canada
L4L 1B3
Tel: (416) 851-2205
Telex: 069-7596

PRODUCTS:

Commercial and domestic 15-30 kW electric forced air furnaces; central air conditioning, heating and cooling units; dehumidifiers.

DYNAMIC INDUSTRIES INC.

C.P. 1664
45, rue Dorchester sud
Québec (Québec) Canada
G1K 7K4
Tél. (418) 524-5221
Télex 05-13868

PRODUCTS:

Transmission towers, substation and microwave structures, design and manufacture.

EAGLE ELECTRIC OF CANADA LIMITED

44 Atomic Avenue
Toronto, Ontario, Canada
M8Z 5L1
Tel: (416) 252-5781
Telex: 06-967778

PRODUCTS:

AC switches; adaptors and reducers; armored caps and connectors;

attachment caps; dryer receptacles; flashers and wipers; knife switches; power outlets; range receptacles; toggle switches for circuit control; wall plates; weatherproof devices.

EASTERN WIRE & CONDUITS

Division of Heron Cable
Industries Limited
266 Rexdale Boulevard
Rexdale, Ontario, Canada
M9W 1R2
Tel: (416) 743-6291
Telex: 06-965507
Cable: EASTWIRE

PRODUCTS:

Hydrotite flexible metallic PVC covered liquid-tight electrical conduit — type CSA approved and type EF (extra flexible) non-CSA approved — for wiring of machine tools, by OEMs and in industrial, mine, mill maintenance where oily, moist fumes and vapors are prevalent.

EDWARDS OF CANADA

625 6th Street East
Owen Sound, Ontario, Canada

Mailing Address:

P.O. Box 430
Owen Sound, Ontario, Canada
N4K 1G5
Tel: (519) 376-2430
Telex: 02-8739
TWX: 610-354-9600
Cable: EDCAN

PRODUCTS:

Signaling devices — bells, horns, sirens; fire alarm systems; clock and program systems; electronic surveillance systems.

**ELECTRIC POWER
ACCESSORIES CO. LIMITED**

27 Selby Road
Brampton, Ontario, Canada
L6W 1K5
Tel: (416) 457-8300
Telex: 069-7529

PRODUCTS:

Electrical utility distribution and transmission specialty pole line hardware and connectors; primary deadend and suspension clamps; hot line stirrup clamps; hot line conductor clamps; one and two-bolt parallel groove connectors; street and highway lighting luminaires with ancillaries; mercury vapor and incandescent luminaires; street light relays; photo-electric controls and mounting adapters; street light brackets.

**ELECTRIC POWER EQUIPMENT
LIMITED**

1285 Homer Street
Vancouver, British Columbia
Canada
V6B 2Z2
Tel: (604) 682-4221
Telex: 04-51171
Cable: ELENG

PRODUCTS:

Emergency lighting — unit equipment and central equipment to 1000 kVA; fire alarm equipment with manual or automatic detection units — local central and proprietary type systems; computer power supplies, rotating and static to 250 kW; hospital equipment — isolated distribution centers and ground detector equipment; specialized metal enclosed switchgear built to North American standards to 34.5 kV.

**ELECTRIC SWITCHGEAR
LIMITED**

115, avenue St-Denis, St-Lambert
Montréal (Québec) Canada
J4P 2G1
Tél (514) 671-7206
Câble SWITCHGEAR

PRODUCTS:

Metal enclosed and metalclad switchgear 5 to 34.5 kV and 750 MVA interrupting capacity; unit substations of oil circuit breaker, load-break switch and fuse types; control panels.

**ELECTRICAL TESTING
INSTRUMENTS LTD.**

705 Progress Avenue, Unit 15
Scarborough, Ontario, Canada
M1H 2X1
Tel: (416) 438-0564

PRODUCTS:

Portable high current test sets to 50,000 amps; AC and DC high voltage sets to 750 kV; relay calibrating equipment; transformer ratiometers; capacitance bridges; insulation resistance testers.

ELECTROHOME LIMITED

809 Wellington Street North
Kitchener, Ontario, Canada
N2H 5L6
Tel: (519) 744-7111
Telex: 0695449
Cable: DEIL KTCH

PRODUCTS:

Room air conditioners; humidifiers; dehumidifiers; educational television; subfractional horsepower motors; bug killer; video monitors.

**ELECTROLINE MANUFACTURING
CO. LTD.**

P.O. Box 592
Windsor, Ontario, Canada
N9A 6M6
Tel: (519) 252-7266
Telex: 064-77769

PRODUCTS:

Electrical cable and conduit fittings; box connectors; EMT connectors and couplings; ground fittings; bushings and locknuts; masts and accessories.

**THE ELECTROLYSER
CORPORATION LTD.**

122 The West Mall
Etobicoke (Toronto), Ontario
Canada
M9C 1B9
Tel: (416) 621-9410
Telex: 06-967771
Cable: EKTROLYSER TORONTO

PRODUCTS:

Packaged gas generators for automatic supply of hydrogen coolant at thermal power stations; electrolytic cells and complete electrolytic hydrogen and oxygen gas plants including purification and compression systems; hydrogen atmosphere generators for metallurgical furnace processes in semi-conductor and radio and television tube production and in lamp and transformer manufacture; deuterium gas generators for nuclear power stations; high current silicon rectifiers for DC power supply with control systems for electrochemical processes; electrochemical process development; overseas field engineering, installation and commissioning services.

**ELECTRO RUBBER PRODUCTS
LIMITED**

770 Dupont Street
Toronto, Ontario, Canada
M6G 1Z6
Tel: (416) 533-7958

PRODUCTS:

Electric wiring harnesses; line cords; cable assemblies; rubber and plastic moldings.

ELECTROVERT LTD.

C.P. 1200, Stn. N.D.G.
3285, boulevard Cavendish
Montréal (Québec) Canada
H4A 3R2
Tél. (514) 488-2521
Télex 05-267561
Câble RECTIFIER

PRODUCTS:

Cantrough cable tray and ladder; Cantruss framing and support system; automated wavesoldering and solder-coating systems.

EMERSON ELECTRIC OF CANADA

P.O. Box 150
Markham, Ontario, Canada
L3P 3J6
Tel: (416) 297-2330
Telex: 065-24226

PRODUCTS:

FHP motors; thermostatic heating and cooling controls for residential buildings.

EMOH SALES & MFG. LTD.

23 Westmore Drive
Rexdale, Ontario, Canada
M9V 3Y7
Tel: (416) 741-2250
Telex: 02-2250

PRODUCTS:

Emergency lighting systems; ground fault circuit interrupter.

ESB CANADA LTD.

Exide Power Systems Division
P.O. Box 907, Stn. U
2301 Dixie Road
Toronto, Ontario, Canada
M8Z 5R7
Tel: (416) 625-7614
Telex: 06-961272

PRODUCTS:

Uninterruptible power systems to 2 MVA and larger, 50 and 60 Hz outputs for all standard utility voltages to 600 V available to seismic specifications; industrial and utility batteries and chargers including DC power systems; centralized emergency lighting systems.

ESB WILLSON CANADA LTD.

Miller Equipment Division
P.O. Box 1200
Wooler Road and Highway 401
Trenton, Ontario, Canada
K8V 5R9
Tel: (613) 392-9231
Telex: 06-62268

PRODUCTS:

Linemen's safety belts; safety straps; tool holsters; canvas products; specialty bags; load binders; construction safety belts; rope and webbing lanyards; tree trimmers' belts; lowering harness; webbing

ladders; miners' belts; webbing and rope life nets; safety straps for sheet steel — ½ to 20 tons; helicopter cargo nets; emergency lighting units with maintenance-free batteries.

H. B. ETLIN COMPANY LTD.

1850 Wilson Avenue
Weston, Ontario, Canada
M9M 1A1
Tel: (416) 741-7336
Telex: 06-965862

PRODUCTS:

Electrical wiring devices; fittings; copper or aluminum solderless lugs; split bolts for copper or aluminum cable, floodlighting; crimp type solderless terminals and connectors; plastic protective caps.

FEDERAL PIONEER LIMITED

19 Waterman Avenue
Toronto, Ontario, Canada
M4B 1Y2
Tel: (416) 759-5651
Telex: 065-24017

PRODUCTS:

Metalclad and metal enclosed switchgear to 34.5 kV using air or minimum oil circuit breakers; load break switchgear to 30 kV; 600 volt heavy current circuit breakers; solid-state ground fault relays; line isolation monitors, hazard compensators, and ground integrity monitors for hospitals; fused industrial switches; panelboards with molded case circuit breakers; domestic and commercial electric heating of all types; unit substations; transformers, oil filled pole-mounted and padmounted — dry types to 25 kV with onload tap changers — power, all sizes and voltages including HVDC convertor types. Supervision of erection and installation of equipment sold is available.

FISCHER & PORTER (CANADA) LIMITED

134 Norfinch Drive
Downsview, Ontario, Canada
M3N 1X7
Tel: (416) 633-9810
Telex: 06-217866
Cable: FISHCAPORT

PRODUCTS:

Industrial process control; flow meters; industrial instrumentation; chlorination equipment.

FLECK MANUFACTURING COMPANY

91 Lincoln Street
Tillsonburg, Ontario, Canada
N4G 2P9
Tel: (519) 842-3641
Telex: 064-73548

PRODUCTS:

Electrical cord sets for all types of appliances including molded strain reliefs, terminals, etc. (CSA and UL approvals); electrical wiring harnesses for automatic washers, dryers, refrigerators, freezers, etc; resistance heaters (aluminum foil and other types) for refrigerators; cut-to-length and terminated leads; automotive wiring harnesses and leads including lamp socket and sidemarker assemblies.

FMC OF CANADA LIMITED

Material Handling Equipment
Division
P.O. Box 10
928 Queenston Road
Stoney Creek, Ontario, Canada
L8G 3X8
Tel: (416) 662-8313
Telex: 061-8751

PRODUCTS:

Vibratory materials handling equipment with electronic controllers; regulated and unregulated power conversion units; specialized process controls; selenium cells; selenium rectifiers and bridges; silicon diodes; molded silicon bridges; power rated silicon multi-junction stacks; firing circuits and thyristors.

FRANKLIN ELECTRIC OF CANADA LIMITED

Highway 81 North
Strathroy, Ontario, Canada
N7G 3J3
Tel: (519) 245-3220
Telex: 064-7148

PRODUCTS:

Subfractional hp induction motors; fractional hp induction motors; submersible pump motors.

THE FOXBORO COMPANY LIMITED

707, avenue Dollard
LaSalle (Québec) Canada
H8N 1S5
Tél. (514) 366-4210
Télex 01-2935
Câble FOXCOL

PRODUCTS:

Electronic Consotrol instrumentation — an integrated line of industrial

CANADIAN SUPPLIERS (Cont'd.)

process control equipment of small case design, measures and/or controls all common process variables — computer compatible; digital computer systems.

L. H. FROST (CANADA) LTD.

1130 8th Line Road North
Oakville, Ontario, Canada
L6H 2H1
Tel: (416) 844-6681
Telex: 06-982361

PRODUCTS:

Ballast; transformers; relays; solenoids and coils for the appliance, vending, heating, cooling and other industries; custom bobbin winding and coil manufacturing.

GOULD MANUFACTURING OF CANADA LTD.

20 Densley Avenue
Toronto, Ontario, Canada
M6M 2R1
Tel: (416) 249-7745
Telex: 06-965877

PRODUCTS:

Batteries and chargers for industrial fork trucks and mine locomotives; stationary batteries for communications industry; switchgear and control; emergency lighting; boiler control; safety lights; uninterruptible power supplies; rectifiers and inverters; batteries for diesel and marine diesel starting.

GUILDLINE INSTRUMENTS, LTD.

P.O. Box 99
Churchill Crescent
Smiths Falls, Ontario, Canada
K7A 4S9
Tel: (613) 283-3000
Telex: 053-3028

PRODUCTS:

Electrical and temperature measuring instruments of the highest accuracy and precision; voltage and resistance standards; oceanographic instrumentation for pressure, depth and salinity.

HAMILTON PORCELAINS LIMITED

P.O. Box 594
25 Campbell Street
Brantford, Ontario, Canada
N3T 5N9
Tel: (519) 753-2615
Telex: 061-81194
Cable: HAMPO

PRODUCTS:

Low tension electrical porcelain; electrical refractories; high zirconia arc-chute components.

HAMMOND MANUFACTURING COMPANY LIMITED

394 Edinburgh Road North
Guelph, Ontario, Canada
N1H 1E5
Tel: (519) 822-2960
Telex: 069-56523

PRODUCTS:

Transformers — dry type to 1000 kVA and 15 kV; chokes (reactors) for power applications to 100 A; saturable reactors; toroidal devices to 14 inches (35.5 cm) internal diameter; cabinets, consoles, cubicles, racks, chassis in all sizes of stainless steel, aluminum or mild steel.

HARPER DETROIT DIESEL LIMITED

460 Evans Avenue
Toronto, Ontario, Canada
M9B 2T2
Tel: (416) 259-3281
TWX: 610-491-1413

PRODUCTS:

Diesel electric generator sets for prime power and stand-by applications; General Motors Detroit diesel engines for marine, industrial and trucking applications, 20 hp to 1400 hp.

HARPER OAK LTD.

155 Edward Street
Aurora, Ontario, Canada
L4G 1W3
Tel: (416) 727-3191
Telex: 06-217890

PRODUCTS:

Thermostats for electric ranges, ovens, both single-pole and double-pole, up to 30 amp rating; energy regulator — infinite controls and rotary power rated selector switches for electric appliances, ranges, canning equipment, coffee urns, cooking equipment, griddles, hot plates, humidifiers, plastic moldings.

HAWKER SIDDELEY CANADA LIMITED

Canadian Bridge Division
P.O. Box 2157
Walkerville Post Office
1219 Walker Road
Windsor, Ontario, Canada
N8Y 4R8
Tel: (519) 256-2661
Telex: 064-77739

PRODUCTS:

Transmission and communication towers; design, fabrication and testing.

HOBART BROTHERS OF CANADA LTD.

P.O. Box 150
807 Pattullo Avenue
Woodstock, Ontario, Canada
N4S 7W8
Tel: (519) 537-6291
Telex: 064-74116

PRODUCTS:

Welding machines.

THE HOLOPHANE COMPANY, LTD.

1620 Steeles Avenue East
Bramalea, Ontario, Canada
L6T 1A5
Tel: (416) 459-7521
Telex: 069-7517

PRODUCTS:

Commercial, institutional and industrial incandescent, fluorescent and mercury lighting luminaires for indoor and outdoor application.

HOWDEN PARSONS LIMITED

1510 Birchmount Road
Scarborough, Ontario, Canada
M1P 2G6
Tel: (416) 759-2271
Telex: 02-2712

PRODUCTS:

Turbogenerators; fans; air pre-heaters; dust collecting equipment; custom fabrication work. All sizes of the above equipment manufactured up to the largest sized central power station units being built.

HARVEY HUBBELL OF CANADA LIMITED

P.O. Box 100
870 Brock Road South
Pickering, Ontario, Canada
L1W 1Z8
Tel: (416) 839-1138
Telex: 06-981288

PRODUCTS:

Outlets; caps; connector bodies; toggle switches; Twist lock and Hubbellock locking wiring devices; plates; ground fault circuit interrupters; corrosion resistant wiring devices; marine wiring devices; Kellems Grips mechanical holding devices; floor boxes; push button stations; speed responsive switches; resistors; AC and DC magnetic contactors; DC lifting magnet controllers; AC and DC manual drum controllers; floodlights; walkway lighting; garden and decorative lighting; swimming pool and underwater lighting; cord grips.

**IBERVILLE FITTINGS (1962)
LIMITED**

100, rue Longtin
Saint-Jean (Québec) Canada
J3B 3G5
Tél. (514) 347-2304
Télex 05-831522

PRODUCTS:

Galvanized rigid conduit; elbows; nipples and couplings; electric metallic tubing and elbows; surface raceways; switches, outlet boxes and covers; non-metallic and armored cable connectors; cable and conduit straps; bondnuts; bushings; plastic bushings; cast iron and aluminum conduit fittings; par and R lighting fixtures.

IDEAL ELECTRIC MFG. CO. LTD.

372-380 Selkirk Avenue
Winnipeg, Manitoba, Canada
R2W 2M2
Tel: (204) 582-2388

PRODUCTS:

Residential lighting fixtures; portable lamps and shades.

INSULEC SALES LIMITED

P.O. Box 158
110 Connaught Avenue
Aurora, Ontario, Canada
L4G 3H3
Tel: (416) 727-4284

PRODUCTS:

Flexible electrical insulating material; varnished cambric; varnished fiberglass; high and low voltage mica paper tapes; closure cap material.

**INTEGRATED LIGHTING
CANADA LIMITED**

500, rue Sauvé ouest
Montréal (Québec) Canada
H3L 2A1
Tél. (514) 382-2793
Télex 05-826510
Câble INTALITE MONTREAL

PRODUCTS:

Metal luminous ceiling systems — Leaf-Lite, Tweed, Quadrillia, Chek-Lite; Magnagrid multi-purpose louvered ceilings; aluminum louver panels for light fittings and air handling.

ITE INDUSTRIES LTD.

2401 Dixie Road
Mississauga, Ontario, Canada
L4Y 2A3
Tel: (416) 279-1520
Telex: 06-961130
TWX: 610-492-4385

PRODUCTS:

Disconnect switches 7.5 kV to EHV levels; air insulated isolated phase bus for generator leads, SF 6 insulated isolated phase bus for EHV applications; non-segregated bus all voltages; LV (600 V) and MV (5 and 15 kV) metalclad switchgear; unit substations; power switching centers; indoor switches 600 V to 23 kV; cell (short circuiting) switches; Kirk key interlocks; testing devices for presence of potential or current heavy-duty safety switches to 600 V; load centers to 600 V; service entrance equipment to 600 V; molded case circuit breakers; panelboards; universal lighting duct; industrial trolley duct; plug-in duct; feeder duct; Electrostrip; fuses — 600 V.

**JOSLYN MANUFACTURING OF
CANADA LTD.**

56 Charles Street
Newmarket, Ontario, Canada
L3Y 3V9
Tel: (416) 895-5151
Telex: 069-24228

PRODUCTS:

Pole line and power transmission hardware; distribution lightning arrestors; fuse cutouts; cable terminators; switches up to 230 kV; insulators.

KAMRO LIGHTING PRODUCTS

24 Vulcan Street
Rexdale, Ontario, Canada
M9W 1L2
Tel: (416) 247-5318
Telex: 06-965640

PRODUCTS:

Incandescent and fluorescent lighting fixtures and accessories.

**KEARNEY-NATIONAL (CANADA)
LIMITED**

430 Elizabeth Street
Guelph, Ontario, Canada
N1H 6M4
Tel: (519) 822-3670
Telex: 0295-6511

PRODUCTS:

Disconnect switches for all ratings to 765 kV and 4000 A; distribution cutouts 8 to 27 kV; cutout fuse links to 200 A and to 34.5 kV; distribution compression connectors to 410 size and installation tools; live-line tools to 230 kV; and portable grounding equipment.

GEORGE KELK LIMITED

48 Lesmill Road
Don Mills, Ontario, Canada
M3B 2T5
Tel: (416) 445-5850
Telex: 06-966670
Cable: KELLEX TORONTO

PRODUCTS:

For metals rolling mills: washer, disk, slab, "T"-block and "Q"-type load cells systems; thickness gauge (hot slab), length/width gauges, length gauge and width gauge for plate mills; extensometer for temper mills; tensiometer for cold strip mills; inverter DC/AC for cranes over soaking pits; digital metallograph. *For paper mills:* paper stress strain analyzer. *For broadcasting, communications, etc:* Stedivolt AC line voltage regulators. *For oceanography, etc:* wave/tide gauges.

KRUSHEL AND SONS

P.O. Box 938
Morden, Manitoba, Canada
R0G 1J0
Tel: (204) 822-4778

PRODUCTS:

100-180-250 AC/DC amp transformer type arc welders; welding accessories.

**LEEDS & NORTHRUP, CANADA
LTD.**

41 Constellation Court
Rexdale, Ontario, Canada
M9W 1K4
Tel: (416) 677-4740
Telex: 06-968615

PRODUCTS:

Recorders and associated process controllers; precision measuring instruments for laboratory applications used in research, teaching and testing; furnaces for heat treating of metals; permanent and expendable temperature sensitive devices; specialized analog and digital computers for various process measurements; instruments for gas analysis, pH and conductivity; engineered and manufactured systems.

**LEVITON MANUFACTURING OF
CANADA LTD.**

8255, boulevard St-Michel
Ville St-Michel
Montréal (Québec) Canada
H1Z 3E5
Tél. (514) 374-1210
Télex 05-828894

PRODUCTS:

Electrical wiring devices such as wall switches, wall receptacles weather-proof receptacles, canopy switches; extension cord sets and flexible wires.

LEROY SOMER OF CANADA

337, rue Deslauriers
Ville St-Laurent (Québec) Canada
H4N 1W5
Tél. (514) 332-1880
Télex 05-826596

PRODUCTS:

Induction motors 1-200 hp.

LIGHTOLIER-CANADA LIMITED

4935, rue Bourg
St-Laurent
Montréal (Québec) Canada
H4T 1J1
Tél. (514) 735-5651
Télex 05-821839

PRODUCTS:

Architectural lighting fixtures, incandescent and fluorescent.

**LINCOLN ELECTRIC COMPANY
OF CANADA LIMITED**

179 Wicksteed Avenue
Toronto, Ontario, Canada
M4G 2B9
Tel: (416) 421-2600
Telex: 06-22180
Cable: LINCELEC

PRODUCTS:

Electric arc welding machines including motor generator, transformer, rectifier, gasoline and diesel engine driven welders; arc welding electrodes both ferrous and non-ferrous types.

**LOCWELD AND FORGE
PRODUCTS (1961) LIMITED**

50, avenue Iberville
Candiac (Québec) Canada
J5R 1J5
Tél. (514) 659-9661
Télex 05-27158

PRODUCTS:

Metal structures for switching stations and substations; towers for transmission lines; custom galvanizing.

**MARCUS TRANSFORMER OF
CANADA LTD.**

999, rue College, St-Henri
Montréal (Québec) Canada
H4C 2S3
Tél. (514) 935-3543
Télex 05-25781

PRODUCTS:

Dry type transformers, single-phase 3 to 333 kVA and 5 kV, 3-phase 6 to 600 kVA and to 5 kV; low noise, electrostatic shielding and weather-proof enclosure features available on request.

MARKHAM ELECTRIC LTD.

P.O. Box 276
Agincourt, Ontario, Canada
M1S 3B6
Tel: (416) 291-7795
Telex: 06-22744
Cable: MARKELECT TORONTO

PRODUCTS:

Complete outdoor substations to 230 kV including erection supervision; metalclad and metal enclosed switchgear with fused load interrupters and air, minimum oil or SF 6 circuit breakers, 5 to 46 kV, to 1960 MVA interrupting capacity.

MARINE INDUSTRIES LIMITED

C.P. 550
Sorel (Québec) Canada
J3P 5P5
Tél. (514) 743-3351
Télex 01-26136
Cable MARINDUS

PRODUCTS:

Hydro-electric generators; synchronous condensers; hydro-electric turbines; hydraulic gates; hydraulic valves.

MARR ELECTRIC LIMITED

2555 Hensall Street
Mississauga, Ontario, Canada
L5A 2T1
Tel: (416) 277-9481
Telex: 06-961282

PRODUCTS:

Solderless insulated wire connectors for fixture, motor and branch wiring connections covering wire sizes from No. 10 to No. 18 and voltages to 600; dry type control and power transformers with voltage ratios up to 600 V, and kVAs from .05 kVA to 112½ kVA.

**McGRAW-EDISON OF
CANADA LTD.**

Power Systems Division
3595 St. Clair Avenue East
Scarborough, Ontario, Canada
M1K 1M1
Tel: (416) 261-7111
Telex: 06-93517
Cable: MCGEDPSDOR

PRODUCTS:

Reclosers, hydraulic and electronic, single and three-phase; airfield lighting control; visual approach slope indicator system (VASIS); street and area lighting; distribution class pole line hardware; power and distribution clamp type connectors of aluminum and bronze; outdoor substations to 345 kV including optional installation; distribution transformers — padmount, single-phase, 37½ to 150 kVA and to 25 kV.

**MECHRON ENGINEERING
PRODUCTS LTD.**

2437 Kaladar Avenue
Ottawa, Ontario, Canada
K1V 8B9
Tel: (613) 733-3855
Telex: 053-4271
Cable: MECHRON

PRODUCTS:

Electric generating units, 50-400 Hz, with diesel or gas turbine prime movers; custom built and engineered prime, automatic standby, or no-break power systems; AC/DC rotary no-break precise power systems for telecommunications or computer applications; motor generator sets; turnkey installation of all products.

**MID-DAY FLUORESCENT
FIXTURES INC.**

4500, rue Jarry est
Montréal (Québec) Canada
H1R 1X5
Tél. (514) 374-4020
Télex 05-828577

PRODUCTS:

Fluorescent lighting fixtures for residential, institutional and commercial use.

MILLER WELDERS CANADA LTD.

8451, boulevard Parkway
Ville d'Anjou
Montréal (Québec) Canada
H1J 1N8
Tél. (514) 352-2210

PRODUCTS:

Electric welding machines including: limited input AC welders; industrial AC welders; heavy-duty AC welders; DC rectifier welders; DC constant potential welders; AC/DC welders; and high frequency units.

MIRTONE INDUSTRIES LIMITED

379 Limestone Crescent
Downsview, Ontario, Canada
M3J 2R1
Tel: (416) 661-0130
Telex: 06-217501

PRODUCTS:

Fire alarm systems; communication systems; security systems; emergency voice communication systems; emergency lighting.

MLW-WORTHINGTON LIMITED

C.P. 1000
Place d'Armes
Montréal (Québec) Canada
H2Y 3J7
Tél. (514) 255-3681
Télex 01-20241

PRODUCTS:

Diesel engines for diesel generator sets; transportable electrical power packages.

**MOLONEY ELECTRIC COMPANY
OF CANADA LIMITED**

213-219 Sterling Road
Toronto, Ontario, Canada
M6R 2B4
Tel: (416) 534-9226
Telex: 06-22287
Cable: MOLTRANTOR

PRODUCTS:

Power transformers to 25 MVA, self cooled and to 144 kV; oil insulated distribution transformers — pole-top, submersible and padmount to 3000 kVA and to 34.5 kV; three-phase regulators to 69 kV 500 A; single-phase regulators to 14.4 kV (150 kV BIL) and to 200 A; mobile substations to 40 MVA forced cooled and to 144 kV; metering units to 15 kV 800 amp.

**MONA LISA LAMP
MANUFACTURING GROUP**

642, rue De Courcelle
Montréal (Québec) Canada
H4C 3C6
Tél. (514) 935-2454

PRODUCTS:

Incandescent lighting fixtures and portable lamps.

MONTEL INCORPORATED

225, 4^e Avenue
Montmagny (Québec) Canada
G5V 3S5
Tél. (418) 248-0235
Télex 051-3419

PRODUCTS:

Unit substations, indoor and outdoor 600 volts to 34.5 kV; control desks; switchboards and protective panels; outdoor substations to 34.5 kV; high current disconnect switches to 12,000 A and to 34.5 kV; load closing

switches, motor and manually operated; load interrupters to 34.5 kV and to 44 MVA interrupting capacity; HV fuses to 34.5 kV; busways to 34.5 kV; voltage indicators; test switches.

**MONTREAL ARMATURE
WORKS, LTD.**

Subsidiary of Canadian General
Electric Company Limited
7420, rue St-Jacques ouest
Montréal (Québec) Canada
H4B 1W3
Tél. (514) 481-0441
Télex 05-24246

PRODUCTS:

Formed coils for all makes of electrical motors and generators; skid-mounted switch houses and substations; metering and relay panels; control consoles.

MURRAY-JENSEN MFG. LTD.

216 Norseman Street
Toronto, Ontario, Canada
M8Z 2R4
Tel: (416) 236-1831
Telex: 06-217824

PRODUCTS:

Meter mounting equipment; pole line hardware; communication hardware; service masts and accessories.

NEDCO (1975) LTD.

Sales Department
5010, rue Paré
Montréal (Québec) Canada
H4P 1P3
Tél. (514) 341-3700
Télex 05-826520
TWX 610-421-4495
(Full function distributor. Organization will provide a co-ordinated purchasing material consolidation and delivery function in the product areas noted.)

PRODUCTS:

All electrical construction products for utility, industrial, commercial and institutional requirements, including line materials and distribution equipment to 50 kV, distribution transformers to 1000 kVA, and wiring supplies.

NEWCOR CANADA LTD.

3126 Devon Drive
Windsor, Ontario, Canada
N9A 6K1
Tel: (519) 969-9510

PRODUCTS:

Resistance welding equipment; automated welding lines.

R. H. NICHOLS CO. LTD.

214 Dolomite Drive
Downsview, Ontario, Canada
M3J 2P8
Tel: (416) 661-3190
Telex: 09-29296
Cable: NICOLTRON TORONTO

PRODUCTS:

Precision test equipment, portable or laboratory; repair and modification facility; panel mounted recorders and monitors; data acquisition equipment and systems.

OHM-RITE ELECTRICAL LIMITED

406 Adelaide Street East
Toronto, Ontario, Canada
M5A 1N4
Tel: (416) 366-7671
Telex: 06-219717

PRODUCTS:

Ohm-Rite EMT pipe clamps; EMT clips; rigid straps; heating elements and coils; range and oven coils; dryer coils; display lighting; fixture connectors; genuine high intensity lamps; chandelier bulbs; fluorescent starters; Electriduct and Flexduct patented rubber over-the-floor duct system; split bolts; Gardner-Bender products.

ORENDA LIMITED

P.O. Box 6001
Toronto A.M.F.
Toronto, Ontario, Canada
L5P 1B3
Tel: (416) 677-3250
Telex: 06-968727
Cable: ORENDA

PRODUCTS:

Industrial gas turbines; packaged generating equipment.

**OSBORNE ELECTRIC
COMPANY LTD.**

P.O. Box 50
95 Wesley Street
Toronto, Ontario, Canada
M8Z 5M4
Tel: (416) 259-7886
Cable: OSLECT TORONTO

PRODUCTS:

Neutralizing transformers, 1 to 1200 telephone pairs for voltages to 50 kV; isolating transformers to 5 kV and to 50 kV for signal frequency range 20 Hz to 2 MHz; drainage trans-

formers to 100 A capacity; way station filters and resonant shunts for power line voltages to 60 kV; overhead insulated ground wire coupling protectors for applications up to 500 kV; open wire or cable pair telephone protectors.

PATTON & COOKE LTD.

1421 East Pender Street
Vancouver, British Columbia
Canada
V5L 1V7
Tel: (604) 255-8258
Telex: 04-54303

PRODUCTS:

Connectors up to 15 kV for trailing cables in mining applications; disconnect switches to 138 kV for pole-top or substation mounting; bus support clamps; power connectors to EHV ratings; bus grounding equipment; cable splicing materials; oil stop module for oil filled cables; bird proofing devices duct clamps for cable; polyurethane elastomer gaskets for cable sealing; polyester cable supports; epoxy modules for separable insulated connectors; plastic bushings to 25 kV. Specialists in the electrical outdoor use of plastics.

**RAYMOND PAYER
INDUSTRIES LTD.**

**LES INDUSTRIES
RAYMOND PAYER LTÉE**

C.P. 478
296, rue Mgr Courchesne
Nicolet (Québec) Canada
J0G 1E0
Tél. (819) 293-5155

PRODUCTS:

Preformed aluminum and galvanized steel armour rods; aluminum and galvanized steel repair rods; line guards; dead ends; plastic line protectors or insulators.

P.C.G. SWITCHGEAR LIMITED

2000 Ellesmere Road, Unit 9
Scarborough, Ontario, Canada
M1H 2W4
Tel: (416) 438-6668

PRODUCTS:

AC and DC low voltage switchgear to 600 volts and to 6000 A; medium voltage switchgear to 15 kV and to 5000 A; with 750 MVA interrupting capacity.

PEERLESS ELECTRIC LIMITED

5585, rue Fullum
Montréal (Québec) Canada
H2G 2H5
Tél. (514) 526-1671
Télex 01-26626

PRODUCTS:

Commercial and industrial fluorescent and commercial incandescent lighting fixtures; metal fixture parts; special large project fixture designs developed and produced to architectural and engineering specifications.

**PENN METAL PRODUCTS
CO. LTD.**

67 Penn Drive
Weston, Ontario, Canada
M9L 2A6
Tel: (416) 741-3033
Telex: 06-965776

PRODUCTS:

Underfloor duct systems; explosion proof electrical fittings; vapor tight and weatherproof fittings; high amperage service entrance switches; cable tray systems.

PENZER PRODUCTS LTD.

P.O. Box 361
250 Bunting Road
St. Catharines, Ontario, Canada
L2R 6T7
Tel: (416) 684-8541
Telex: 0696-4633

PRODUCTS:

Transformers — oil filled three-phase, 45 to 500 kVA, up to 15 kV class; polemounted, platform mounted and padmounted including special loop feed and other special fusing and switching equipment as required by customers.

**E. W. PLAYFORD COMPANY
LIMITED**

5851, chemin Lachine
Montréal (Québec) Canada
H4A 2B8
Tél. (514) 489-5383
Télex 05-267592

PRODUCTS:

Electric heating systems: vaporizers ditherm; vaporizers ammonia; gas heaters — nitrogen; oxygen — chlorine; air helium; oil heaters, asphalt — fuel; resins — chemicals; heat transfers systems; oil pre-heaters; oil storage tank heaters; blower heaters; duct heaters. *Electric control systems:* electronic, electrical and electropneumatic control sys-

tems for all purposes using solid-state and/or conventional equipment; alarm and supervisory systems; SCR electric power control systems and modules; temperature control systems and modules; solid-state logic systems and modules; switchgear, control, metering and protective relaying systems for power generation and distribution systems.

POLE-LITE LIMITED

1, boulevard Edouard VII
Saint-Philippe
Comté de Laprairie (Québec)
Canada
J0L 2K0
Tél. (514) 659-1928

PRODUCTS:

Aluminum tapered lighting standards; aluminum tapered tripod lighting towers of 60-70-80-100 feet (18.2-21.3-24.4-30.4 metres) mounting height and suitable for the mounting of 21 square feet (1.9 square metres) of projected surface area of luminaires; aluminum tapered four-leg lighting tower.

POLYGON INDUSTRIES LIMITED

50 Northline Road
Toronto, Ontario, Canada
M4B 3E2
Tel: (416) 755-3301
Telex: 06-963529

PRODUCTS:

Dry type transformers, single and three-phase, 5 to 5000 kVA, 1.2 to 25 kV (125 kV BIL); unit substations to 5000 kVA and to 25 kV with minimum oil or air circuit breakers; rectifier transformers to 5000 kVA and to 25 kV; custom engineered transformers; saturable reactors to 500 kVA and to 5 kV.

**H. K. PORTER COMPANY
(CANADA) LIMITED**

P.O. Box 157
444 Industrial Avenue
Woodstock, Ontario, Canada
N4S 7W9
Tel: (519) 539-9857
Telex: 064-74119

PRODUCTS:

Liquid filled transformers 10 kVA to 10 MVA and to 60 kV; instrument transformers (PTs and CTs) and metering outfits to 138 kV; disconnect switches 5 to 765 kV; relays for street lighting, water heater controls, multi-voltage and general purpose applications; underfloor raceway systems

complete with external components and fittings; utility type surface raceways to 600 V; conductor collector systems for moving car or crane, both main runway and cross travel applications; bus support systems; power connectors; isolated phase bus; industrial and enclosed bus; plugs and receptacle 600 V up to 100 amps; unit substation; pot-heads 5 kV up to 46 kV; panels for power stations; automatic power factor controllers.

POWERTRONIC EQUIPMENT LIMITED

125 Nantucket Boulevard
Scarborough, Ontario, Canada
M1P 2N8
Tel: (416) 757-5151
Telex: 02-29523
TWX: 610-492-1377

PRODUCTS:

Static inverters 1 to 200 kVA and to 240 VAC; DC-DC converters to 120 kW and to 250 VDC; battery chargers to 1200 A and to 250 VDC; DC power supplies to 5000 kW and to 600 VDC; AC voltage regulators to 450 kVA and to 600 VAC.

PROGRESS LIGHTING CANADA

8989, boulevard Cavendish
St-Laurent
Montréal (Québec) Canada
H4T 1M8
Tél. (514) 731-7641
Télex 05-24444

PRODUCTS:

Residential lighting fixtures.

P & S WIRING DEVICES

Division of Renfrew Electric
Co. Limited
349 Carlaw Avenue
Toronto, Ontario, Canada
M4M 2T2
Tel: (416) 461-3511
Telex: 06-22156
TWX: 610-491-2287

PRODUCTS:

Switches; outlets and receptacles; stainless steel wall plates; motor base devices; weatherproof receptacle covers; ground fault detectors.

RAB ELECTRIC MFG. COMPANY LIMITED

406 Adelaide Street East
Toronto, Ontario, Canada
M5A 1N4
Tel: (416) 366-7671
Telex: 06-219717

PRODUCTS:

Weatherproof, vapor proof and explosion proof lighting fixtures and accessories.

RELIANCE ELECTRIC LIMITED

5220 Creebank Road
Mississauga, Ontario, Canada
L4W 1X1
Tel: (416) 625-8112
Telex: 06-961463
Cable: RELCAN TORONTO

PRODUCTS:

Complete electrical and mechanical drive and computer control systems for industrial process applications, antenna drives; AC motors 200 hp to 4000 hp; distribution transformers — single-phase oil filled, 5 to 333 kVA to 16 kV; poletran (distribution transformers and switching combined in a lighting standard) 25 to 50 kVA, to 8 kV.

RESEARCH INDUSTRIES LTD.

2779 Lake City Way
Burnaby, British Columbia, Canada
V5A 2Z8
Tel: (604) 291-2385
Telex: 043-54720
TWX: 610-929-1063

PRODUCTS:

Power supplies for telecom equipment — rectifiers 5 to 800 A and to 130 V; inverters 250 to 2000 VA, 24 to 130 V; DC-DC converters 0.5 to 90 A, 12 to 150 V; uninterruptible power supplies to 2000 VA; battery power plants 100 to 10,000 A, 24 and 48 V DC; distribution panels to 10,000 A and to 250 V.

RESIDENTIAL LIGHTING STUDIO CO. LTD.

489 Dupont Street
Toronto, Ontario, Canada
M6G 1Y6
Tel: (416) 537-3138

PRODUCTS:

Decorative and custom made lighting fixtures for homes, churches, hotels, restaurants, etc.

THE ROBBINS & MYERS COMPANY OF CANADA LIMITED

P.O. Box 28
56 Morrell Street
Brantford, Ontario, Canada
N3T 5N6
Tel: (519) 752-5447
Telex: 061-81131
Cable: RMCAN

PRODUCTS:

Electric motors; single-phase — 1/30 to 3 hp, shaded pole (permanent split), capacitor (split phase), capacitor start; polyphase — 1/4 to 200 hp, protected type (totally enclosed), fan cooled (totally enclosed explosion proof).

ROCHESTER INSTRUMENT SYSTEMS LTD.

915 Kipling Avenue
Toronto, Ontario, Canada
M8Z 5H4
Tel: (416) 233-6218
Telex: 06-967801

PRODUCTS:

Event recording, industrial annunciator systems; temperature monitors from RTD sensors; electronic alarms; signal transmitters (converters); substation monitors; power transducers.

H. P. RUGGLES COMPANY LIMITED

3077 Mainway Drive
Burlington, Ontario, Canada
L7M 1A2
Tel: (416) 632-1403
TWX: 610-375-0421

PRODUCTS:

Ebony asbestos; Ruggid brand glass polyester rod; Ruggid brand glass polyester insulators; Sindanyo and glass polyester fabricated parts.

SANGAMO COMPANY LIMITED

215 Laird Drive
Toronto, Ontario, Canada
M4G 3X1
Tel: (416) 425-3330
Telex: 06-219593
Cable: SANGAMO HO TOR

PRODUCTS:

Single-phase and polyphase watt-hour meters; single-phase and polyphase combination kWh and kVA thermal demand meters; polyphase kW and kVA strip chart recording thermal demand meters; circular chart voltmeters and ammeters; kW and kVA thermal converters; peak load controllers; current and voltage instrument transformers to 15 kV; demand meter standards; watthour disk revolution counters; test link panels and metering test board consoles.

S & C ELECTRIC CANADA LTD.

90 Belfield Road
Rexdale, Ontario, Canada
M9W 1G4
Tel: (416) 249-9171
Telex: 02-29106

PRODUCTS:

High voltage power distribution equipment — interrupter switches 600 A to 46 kV, 2000 A to 500 kV; power fuses to 138 kV; distribution cutouts and switching devices to 34.5 kV; metal enclosed switchgear, distribution and power types to 46 kV.

SCEPTER MANUFACTURING CO. LTD.

Pipe Division
807 Pharmacy Avenue
Toronto, Ontario, Canada
M1L 3K2
Tel: (416) 752-2200
Telex: 06-963524

PRODUCTS:

PVC conduit, fittings and boxes; provide vapor and water tight conduit system for all conduit applications.

A. SCHONBEK & CO. LTD.

950, Montée de Liesse
Montréal (Québec) Canada
H4T 1N8
Tél. (514) 341-4350
Télex 05-827541
TWX 610-421-4650
Câble VALGLASS

PRODUCTS:

Decorative incandescent lighting fixtures, residential and architectural.

SED SYSTEMS LIMITED

P.O. Box 1464
2415 Koyl Avenue
Saskatoon, Saskatchewan, Canada
S7K 3P7
Tel: (306) 244-0976
Telex: 074-2495
TWX: 610-731-1476

PRODUCTS:

Transmission line vibration monitors and recorders; telemetry systems and associated data processing equipment; power supplies for electronic equipment.

SHAMROCK LIGHTING FIXTURES INC.

2158, rue Montgomery
Montréal (Québec) Canada
H2K 2R8
Tél. (514) 524-6879
Câble SHAMLIT MONTREAL

PRODUCTS:

Residential and commercial incandescent and fluorescent lighting fixtures.

D. T. SHAW COMPANY LTD.

644, avenue Deslauriers
Montréal (Québec) Canada
H4N 1W5
Tél. (514) 332-1163
Télex 05-826613

PRODUCTS:

Circuit breakers; insulators; preservatives for wood poles; counters and tape inserters; custom panel boards.

SIOC LIMITED

3085 Lenworth Drive
Mississauga, Ontario, Canada
L4X 2G4
Tel: (416) 625-1790
Telex: 06-961172

PRODUCTS:

Solid-state and relay type annunciators; graphic displays with or without integral annunciation; current or voltage monitoring devices with digital or dry-contact trip outputs; temperature monitoring systems with integral read/set point readout; events recorders complete with memory and language option.

SKYLINE MANUFACTURING LIMITED

200 Eddystone Avenue
Downsview, Ontario, Canada
M3N 1H4
Tel: (416) 743-1010
Telex: 06-965653

PRODUCTS:

Outdoor lighting fixtures — quartz-iodine, mercury vapor, fluorescent luminaires.

SKYWAY ELECTRIC CO. LTD.

7517 Bren Road
Mississauga, Ontario, Canada
L4T 3V4
Tel: (416) 678-0765

PRODUCTS:

Dry type transformers 3 to 1500 kVA up to 15 kV (95 kV BIL); custom designed units a specialty.

SLATER STEEL INDUSTRIES LTD.

P.O. Box 271, Station A
681 King Street West
Hamilton, Ontario, Canada
L8N 3E7
Tel: (416) 528-8888
Telex: 061-8342
TWX: 610-371-3015
Cable: SLATER HAMILTON

PRODUCTS:

Pole line hardware for electric and communication utilities; EHV transmission line hardware; preformed products for electric power transmission, distribution and communication lines; splicing sleeves equivalent to NICOPRESS designs and NICOPRESS tools for electric power transmission and distribution lines and for communication and signal circuits; spacer dampers for multi-bundled transmission circuits.

SMITH ROLES LTD.

P.O. Box 907
46th Street and Millar Avenue
Saskatoon, Saskatchewan, Canada
S7K 3M5
Tel: (306) 652-5621
Telex: 074-2773

PRODUCTS:

Transformer type arc welders; electronic bird scare cannon.

SMITH & STONE LIMITED

2 Glen Road
Georgetown, Ontario, Canada
L7G 2P4
Tel: (416) 363-1134
Telex: 069-7638

PRODUCTS:

Electrical wiring devices; insulators — pin type; disconnect switches.

SNOC DIVISION

Holophane Co. Ltd.
C.P. 427
1200, rue Centrale
St-Hyacinthe (Québec) Canada
J2S 7B8
Tél. (514) 775-5238
Télex 05-245005

PRODUCTS:

Outdoor lighting fixtures; all cast aluminum outdoor residential decorative lanterns; complete line of post lights, wall brackets, pendant and ceiling types.

SOLA BASIC LIMITED

125 East Drive
Bramalea, Ontario, Canada
L6T 1B8
Tel: (416) 791-3223
Telex: 06-97798

PRODUCTS:

Sola fluorescent ballasts; Sola mercury vapor transformers; Sola constant voltage regulators and DC power supplies; anchor meter sockets; Nelson explosion-proof control equipment; Hevi-duty distri-

bution transformers; Hevi-duty airport lighting regulators; Lindberg electric furnaces.

SPAR AEROSPACE PRODUCTS

825 Caledonia Road
Toronto, Ontario, Canada
M6B 3X8
Tel: (416) 781-1571
Telex: 02-2054

PRODUCTS:

Linear induction motors and controls.

SPRAGUE ELECTRIC OF CANADA LTD.

49 Bertal Road
Toronto, Ontario, Canada
M6M 4M7
Tel: (416) 766-6123
Telex: 02-29930

PRODUCTS:

Power factor correction capacitors; peak load control equipment.

STATICON LTD.

2220 Midland Avenue, Unit 18
Scarborough, Ontario, Canada
M1P 3E6
Tel: (416) 291-3723
Telex: 06-217606

PRODUCTS:

AC and DC solid-state no-break systems 250 VA to 250 kVA and larger, 50 and 60 Hz; battery power plants and float charger systems for communications applications; battery eliminators; switchgear battery chargers all voltages; plating rectifiers including Electro Fosis Systems all voltages and ratings; battery chargers for turbine and engine starting all ratings; static inverters, 250 VA to 250 kVA and larger, all voltages, 50 and 60 Hz; DC-DC converters, all voltages 12 to 130 V, all currents; frequency converters, 50 and 60 Hz; magnetron power supplies; solid-state AC voltage regulators 250 VA to 250 kVA and larger, all voltages, 50 and 60 Hz; industrial lift truck battery chargers, all sizes.

THE STEEL COMPANY OF CANADA LIMITED

100 King Street West
Hamilton, Ontario, Canada
L8N 3T1
Tel: (416) 528-2511
Telex: 061-862
Cable: STELCO HAM

PRODUCTS:

Conduit tubing; pole line hardware; zinc coated steel wire strand; zinc coated steel overhead wire strand; zinc coated steel core wire for aluminum conductors (steel reinforced); zinc coated steel telephone and telegraph line wire; zinc coated high tensile steel telephone and telegraph line wire.

STRUTHERS-DUNN RELAYS

Division of Renfrew Electric Co. Limited
349 Carlaw Avenue
Toronto, Ontario, Canada
M4M 2T2
Tel: (416) 461-3511
Telex: 06-22156
TWX: 610-491-2287

PRODUCTS:

Industrial control relays; dry reed relays; light duty relays; mercury wetted contact relays; general purpose relays; motor contactors, timers.

TAYLOR INSTRUMENT COMPANIES OF CANADA LIMITED

75 Tycos Drive
Toronto, Ontario, Canada
M6B 1W4
Tel: (416) 787-1651
Telex: 051-3432
Cable: TYCOS TORONTO

PRODUCTS:

A complete line of electronic automatic control instruments and control systems for the process industries — pulp and paper, mining, textile, food, petroleum, gas, pipelines, etc. — including computer operated installation or computer compatibility; panels and control centers, fully engineered to customer requirements and operating procedures; gauges, indicators, recorders, controllers for temperatures, pressures, flow specific gravity and most process variables; system engineering with latest design features; valves and all accessories for control and measurement.

TELEDYNE PRECISION LTD.

72 Carnforth Road
Toronto, Ontario, Canada
M4A 2L2
Tel: (416) 759-1138

PRODUCTS:

Manual and automatic welding systems.

TÉLÉMÉCANIQUE CANADA LTÉE-LTD.

580, avenue Lepine
Dorval (Québec) Canada
H9P 1G2
Tél. (514) 636-9560
Télex: 05-821849

PRODUCTS:

Push button stations: standard heavy-duty, custom equipment, pendant, industrial, miniature; pilot lights: illuminated, push button, economy, heavy-duty, oil tight; selector switches: standard heavy-duty, oil tight, key operated, joystick, master control, foot operated; control stations, emergency, crane seat, portable crane; limit switches: standard heavy-duty, double pole, oil tight, slow make-break, quick-make quick-break, snap action, steelworks, line circuit, conveyor breaker, programmed, proximity, geared and cam-operated, pressure and vacuum operated, float; special devices: thread cutter, thread contactors — AC/DC; overload relays — AC/DC; magnetic relays — AC/DC; control relays — AC/DC; pneumatic timed relays — AC; variable composition relays; motor control centers; AC magnetic motor starters; AC reduced voltage starters; combination magnetic starters; special control panels.

TEXAS INSTRUMENTS INCORPORATED

280 Centre Street East
Richmond Hill, Ontario, Canada
L4C 5G4
Tel: (416) 889-7373
Telex: 02-2788

PRODUCTS:

Semi-conductor devices including plastic encapsulated and PNP transistors, field effect transistors, unijunction and Darlington transistors; plastic encapsulated integrated circuits; thermal and over-temperature controls; protective devices and motor starting relays.

TEL-EYE INDUSTRIES CANADA LTD.

20701 No. 10 Highway
Langley, British Columbia, Canada
V3A 5E8
Tel: (604) 530-9545

PRODUCTS:

Cable pulling system and installation tools, for exceptionally long runs.

THOMSON ELECTRICAL WORKS LIMITED

5710, rue Notre-Dame ouest
Montréal (Québec) Canada
Tél. (514) 931-6492
Télex 05-267345

PRODUCTS:

Stator, armature and field coils for hydro-electric and steam turbine generators; field service for installation of windings in large machines; vibration analysis and dynamic balancing of rotating machines; custom built control panels; relay and protective panels for utilities; variable speed drives; resistors for wound rotor motors; new and reconditioned motors, generators and transformers.

THE TIMBERLAND ELLICOTT LIMITED

P.O. Box 490
Industrial Avenue
Woodstock, Ontario, Canada
N4S 7Z2
Tel: (519) 537-6262
Telex: 064-74133

PRODUCTS:

Tension stringing equipment for installation of transmission and distribution line conductors including hydraulic and mechanical pullers and tensioners; pilot line winders; let-off and take-up reel strands and reels; puller-tensioner combinations; stringing blocks, from the small distribution sizes up to very large multi-sheave sizes for stringing the ever increasing diameters of high voltage transmission lines; running boards and travelling grounds; powered line cars; reel carriers; swaged pulling line rope; sagging winches.

TRACON ENGINEERING LTD.

520 Conestoga Road
Waterloo, Ontario, Canada
N2L 4E2
Tel: (519) 884-2810

PRODUCTS:

Dry type power and lighting transformers to 500 kVA and to 600 V; water cooled welding transformers to 750 kVA and to 600 V; saturable reactors to 450 kVA; electrical control panels of all sizes; electrical and electropneumatic instrument panels; sheet metal enclosures of all sizes. Custom panel specialists capable of building to nuclear plant standards.

TRENCH ELECTRIC LIMITED

390 Midwest Avenue
Scarborough, Ontario, Canada
M1P 3B5
Tel: (416) 751-8570
Telex: 06-217653
Cable: TRENLEC TORONTO

PRODUCTS:

Dry type air core current limiting series reactors, 440 volts to 230 kV; power rated harmonic filters and duplex reactors, for a wide range of current ratings, reactance values and short circuit ratings; carrier current line traps with inductor values from 0.1 mH to 2.5 mH, 200 to 4000 amperes, to 765 kV; coupling capacitors and capacitor voltage transformers 69 to 765 kV with accuracies to 0.3% for metering applications.

UNITED ELECTRIC CONTROLS (CANADA) LTD.

5320 Bradco Boulevard
Mississauga, Ontario, Canada
L4N 1G7
Tel: (416) 625-5082
Telex: 06-961154
Cable: UECCAN TORONTO

PRODUCTS:

Pressure, vacuum and temperature controls including skeleton types, multi-switch, differential, absolute, recording, indicating, explosion proof and electronic.

UNIVERSAL ELECTRIC PRODUCTS CO. LIMITED

9250, rue Hochelaga
Montréal (Québec) Canada
Tél. (514) 351-3511
Cable UNILEPRO

PRODUCTS:

Floodlights; nightlights; patio lights; enamelled magnet wire.

VAPOR CANADA LIMITED

3955, avenue Courtrai
Montréal (Québec) Canada
H3S 1B9
Tél. (514) 342-3210
Télex 01-2938

PRODUCTS:

Static flashers for buoys; photocell plugs for marine service; radio noise-free automatic battery chargers and regulated power supplies; solid-state speed indicators; DC voltage regulators; precision temperature controls; gas turbine control systems.

VARCO INDUSTRIES LTD.

2070, Trans-Canada Highway
Dorval (Québec) Canada
H9P 2N4
Tél. (514) 683-4210
Télex 05-822522
Cable VARELEC

PRODUCTS:

Extruded aluminum square poles and luminaires for use with mercury vapor or incandescent bulbs; rectangular, square and cube shaped extruded aluminum luminaires for localized illumination of planter areas around buildings, walkways, driveways and general pedestrian areas.

VIRDEN LIGHTING (CANADA)

Division of SFZ International Limited
19 Curity Avenue
Toronto, Ontario, Canada
M4B 1Y6
Tel: (416) 755-5227
Telex: 06-963521

PRODUCTS:

Residential lighting fixtures; decorative light — commercial lighting fixtures for restaurants, motels, hotels, etc.; high quality table lamps; incandescent dimmers; outdoor decorative lanterns and posts.

WAJAX INTERNATIONAL LIMITED

350 Sparks Street
Ottawa, Ontario, Canada
K1R 7S8
Tel: (613) 238-7291
Telex: 053-4138

PRODUCTS:

Electrical utility maintenance vehicles — load digger derricks to 15,000 pounds (6800 kg) capacity with insulated boom reaching a working height of 48 feet (14.2 m); aerial platforms reaching a working height of 60 feet (18.1 m), two buckets with a load capacity of 600 pounds (270 kg), boom insulation tested to 500 kV; truck mounted hydraulic cranes to 12-ton load capacity and working height of 83 feet (25 m), insulated boom extension optional.

ALLEN WEST (CANADA) LTD.

175, chemin Bates
Montréal (Québec) Canada

Mailing Address:

C.P. 8, T.M.R.
Montréal (Québec) Canada
Tél. (514) 739-2236
Cable CONTROL MONTREAL

PRODUCTS:

Electrical motor control apparatus, starting, speed regulating and accessories, AC and DC, manual and magnetic, direct on-line and reduced voltage types, crane and mill motor control; liquid starters and regulators; motor starters and speed regulators for marine equipment; resistors and resistor banks; push buttons; limit switches; control apparatus for squirrel cage, wound rotor, wye-delta, part winding, synchronous, shunt, series, compound and special motors.

WESTINGHOUSE CANADA LIMITED

P.O. Box 510
286 Sanford Avenue North
Hamilton, Ontario, Canada
L8N 3K2
Tel: (416) 528-8811
Telex: 061-8655
061-8370
Cable: WESTCAN HAMILTON
CANADA

PRODUCTS:

Transformers; silicon rectifiers for power applications; molded case circuit breakers; panelboards; metal-clad switchgear; relay control and protective panels; relays and instruments; distribution and instrument transformers; motors and motor

control; steam turbine generator sets to 10 MW; gas turbine generator sets; nuclear fuel; lighting equipment; airport lighting.

P. M. WRIGHT ELECTRICAL CO. LTD.

1300, Jules Poitras
St-Laurent (Québec) Canada
H4N 1X8
Tél. (514) 337-3331
Télex 005-826893

PRODUCTS:

Electric heaters for plastics processing and production machinery; electric radiant heaters; elements for aircraft galley ovens; resistor load-banks; electric forced air duct heaters for comfort heating and all conditioning systems; electric oven heaters; heat recovery equipment.

**Cross
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By
Products**

AIRPORT LIGHTING EQUIPMENT

Crouse-Hinds of Canada Limited
 McGraw-Edison of Canada Ltd.
 Sola Basic Limited
 Westinghouse Canada Limited

ALARM DEVICES AND SYSTEMS

Bailey Meter Company Limited
 Canadian Dynamics Limited
 Canadian White Star Products Limited
 Edwards of Canada
 Electric Power Equipment Limited
 Mirtone Industries Limited
 E. W. Playford Company Limited
 Rochester Instrument Systems Ltd.

ANNUNCIATORS

Edwards of Canada
 R. H. Nichols Co. Ltd.
 Rochester Instrument Systems Ltd.
 Sioc Limited

BALLASTS

Allanson Manufacturing Company Limited
 Canadian General Electric Co. Ltd.
 L. H. Frost (Canada) Ltd.
 Sola Basic Limited
 Westinghouse Canada Limited

BATTERY CHARGERS AND SYSTEMS

Allanson Manufacturing Company Limited
 Canadian Dynamics Limited
 Canadian Research Institute
 CTS of Canada Limited
 Dresser Electric Limited
 ESB Canada Ltd.
 Gould Manufacturing of Canada Ltd.
 Powertronic Equipment Limited
 Research Industries Ltd.
 Staticon Ltd.
 Vapor Canada Limited

BOXES

Appleton Electric Limited
 Canrep Limited
 CEB Limited
 Crouse-Hinds of Canada Limited
 Hammond Manufacturing Company Limited
 Iberville Fittings (1962) Limited
 Scepter Manufacturing Co. Ltd.

BRAKES

Canadian Controllers Limited
 Westinghouse Canada Limited

BUSDUCTS AND BUSWAYS

Canadian General Electric Co. Ltd.
 Canrep Limited
 CEB Limited
 Federal Pioneer Limited
 ITE Industries Ltd.

BUSHINGS (TRANSFORMER)

Canadian General Electric Co. Ltd.
 Canadian Ohio Brass Company Ltd.

CABINETS

CEB Limited
 Crouse-Hinds of Canada Limited
 Federal Pioneer Limited
 Hammond Manufacturing Company Limited
 Tracon Engineering Ltd.

CABLE FAULT LOCATORS

Canadian Research Institute

CABLE SUPPORT SYSTEMS

Burndy Canada Ltd.
 Electrovert Ltd.
 Penn Metal Products Co. Ltd.

CALIBRATION SERVICES

CAE Electronics Ltd.
 Canadian Research Institute.
 R. H. Nichols Co. Ltd.

CAPACITORS (POWER)

Canadian General Electric Co. Ltd.
 Sprague Electric of Canada Ltd.
 Westinghouse Canada Limited

CARRIER EQUIPMENT (POWER LINE)

Brown Boveri (Canada) Ltd.
 Trench Electric Limited

CHASSIS

Hammond Manufacturing Company Limited

CIRCUIT BREAKERS

Archer Electrical Supply Co. Ltd.
 Canadian General Electric Co. Ltd.
 CEB Limited
 Cegelec Industries Inc.
 Crouse-Hinds of Canada Limited
 Federal Pioneer Limited
 ITE Industries Ltd.
 Montel Incorporated
 D. T. Shaw Company Ltd.
 Westinghouse Canada Limited

CLAMPS AND CLIPS

Alcan Canada Products Ltd.
 OHM-Rite Electrical Limited
 Patton & Cooke Ltd.
 H. K. Porter Company (Canada) Limited

COILS

L. H. Frost (Canada) Ltd.
 Montreal Armature Works, Ltd.
 Thomson Electrical Works Limited

CONDUIT AND CONDUIT SUPPORT SYSTEMS

Canadian General Electric Co. Ltd.
 Continental Cables & Conduits
 Domtar Construction Materials Limited
 Eastern Wire & Conduits
 Iberville Fittings (1962) Limited
 Scepter Manufacturing Co. Ltd.
 The Steel Company of Canada Limited

CONNECTORS (ELECTRICAL AND MECHANICAL)

Alcan Canada Products Ltd.
 The American Superior Electric Company, Ltd.
 Burndy Canada Ltd.
 Crouse-Hinds of Canada Limited
 Eagle Electric of Canada Limited
 Electric Power Accessories Co. Limited
 Electroline Manufacturing Co. Ltd.
 H. B. Etlin Company Ltd.
 Kearney-National (Canada) Limited
 Marr Electric Limited
 McGraw-Edison of Canada Ltd.
 Patton & Cooke Ltd.
 H. K. Porter Company (Canada) Limited
 Slater Steel Industries Ltd.

CONTROL DEVICES

Aircraft Appliances & Equipment Limited
 Canadian Controllers Limited
 Canadian General Electric Co. Ltd.
 Davis Controls Limited
 Electric Power Accessories Co. Limited
 Emerson Electric of Canada
 E. W. Playford Company Limited
 H. K. Porter Company (Canada) Limited
 Sangamo Company Limited
 Sprague Electric of Canada Ltd.
 Taylor Instrument Companies of Canada Limited
 Télémécanique Canada Ltée-Ltd.
 Texas Instruments Incorporated
 United Electric Controls (Canada) Ltd.
 Vapor Canada Limited
 Westinghouse Canada Limited

CONVERTERS

Canadian Dynamics Limited
 Canadian General Electric Co. Ltd.
 Canadian Research Institute
 CTS of Canada Limited
 Delta Enterprises (Sarnia) Ltd.
 Powertronic Equipment Limited
 Research Industries Ltd.
 Rochester Instrument Systems Ltd.
 Sangamo Company Limited
 Staticon Ltd.

CUTOUTS

Dominion Cutout Limited
 Joslyn Manufacturing of
 Canada Ltd.
 Kearney-National (Canada) Limited
 S & C Electric Canada Ltd.

DIELECTRIC MATERIALS

Canadian General Electric Co. Ltd.
 Domtar Construction Materials
 Limited
 Hamilton Porcelains Limited
 Insulec Sales Limited
 Patton & Cooke Ltd.
 H. P. Ruggles Company Limited

DRIVES (INDUSTRIAL)

Brown Boveri (Canada) Ltd.
 Canadian General Electric Co. Ltd.
 Reliance Electric Limited
 Thomson Electrical Works Limited

DUCT (CABLE)

Canadian General Electric Co. Ltd.
 Conduflor Canada Limited
 Electrovert Ltd.
 OHM-Rite Electrical Limited
 Penn Metal Products Co. Ltd.

ELEMENTS (HEATING)

Canadian Chromalox Company
 Canadian General Electric Co. Ltd.
 Canadian White Star Products
 Limited
 James B. Carter Limited
 OHM-Rite Electrical Limited

FITTINGS

Appleton Electric Limited
 Crouse-Hinds of Canada Limited
 Electroline Manufacturing Co. Ltd.
 H. B. Etlin Company Ltd.
 Iberville Fittings (1962) Limited
 Penn Metal Products Co. Ltd.
 H. K. Porter Company (Canada)
 Limited
 Scepter Manufacturing Co. Ltd.

FLASHERS

Aircraft Appliances & Equipment
 Limited
 Eagle Electric of Canada Limited
 Vapor Canada Limited

FUSES

Appleton Electric Limited
 Canadian General Electric Co. Ltd.
 Commercial Enclosed Fuse Co.
 Dominion Cutout Limited
 Federal Pioneer Limited
 ITE Industries Ltd.
 S & C Electric Canada Ltd.

GAS GENERATORS

The Electrolyser Corporation Ltd.

**GENERATING SETS
 (ENGINE DRIVEN)**

Aircraft Appliances & Equipment
 Limited
 Atlas Polar Co. Ltd.
 Deutz Diesel (Canada) Ltd.
 Harper Detroit Diesel Limited
 Mechtron Engineering Products Ltd.
 MLW-Worthington Limited
 Orenda Limited
 Westinghouse Canada Limited

GENERATORS

Archer Electrical Supply Co. Ltd.
 Brown Boveri (Canada) Ltd.
 Canadian General Electric Co. Ltd.
 Canadian Research Institute
 Marine Industries Limited
 Westinghouse Canada Limited

GROUND FAULT INTERRUPTERS

Canadian White Star Products
 Limited
 Emoh Sales & Mfg. Ltd.
 Federal Pioneer Limited
 Harvey Hubbell of Canada Limited
 P & S Wiring Devices

HEATING CONTROLS

Canadian General Electric Co. Ltd.
 Canadian White Star Products
 Limited

**HEATING EQUIPMENT
 (ELECTRICAL)**

Process:
 Canadian Chromalox Company
 Canadian General Electric Co. Ltd.
 Canadian White Star Products
 Limited
 James B. Carter Limited
 E. W. Playford Company Limited
 P. M. Wright Electrical Co. Ltd.

Space:

Canadian Chromalox Company
 Canadian General Electric Co. Ltd.
 James B. Carter Limited
 CEB Limited
 Duo-Matic/Olsen
 Federal Pioneer Limited
 E. W. Playford Company Limited
 P. M. Wright Electrical Co. Ltd.

Automotive:

Canadian Chromalox Company
 Canadian General Electric Co. Ltd.
 James B. Carter Limited

INSULATORS

Canadian Ohio Brass Company Ltd.
 Canadian Porcelain Company
 Limited
 Cegelec Industries Inc.
 Hamilton Porcelains Limited

Joslyn Manufacturing of
 Canada Ltd.
 H. K. Porter Company (Canada)
 Limited
 D. T. Shaw Company Ltd.
 Smith & Stone Limited

INVERTERS

Canadian Dynamics Limited
 Canadian Research Institute
 CTS of Canada Limited
 ESB Canada Ltd.
 Gould Manufacturing of
 Canada Ltd.
 George Kelk Limited
 Powertronic Equipment Limited
 Research Industries Ltd.
 Staticon Ltd.

**ISOLATED POWER SYSTEMS
 (HOSPITALS)**

Canadian Stackpole Ltd.
 Electric Power Equipment Limited
 Federal Pioneer Limited

LAMPS

Canadian General Electric Co. Ltd.
 Westinghouse Canada Limited

LIGHTING CONTROL EQUIPMENT

The American Superior Electric
 Company, Ltd.
 McGraw-Edison of Canada Ltd.

LIGHTING EQUIPMENT

*Outdoor, Street, Flood and
 Area Lighting:*
 Canadian General Electric Co. Ltd.
 Crouse-Hinds of Canada Limited
 Electric Power Accessories Co.
 Limited
 H. B. Etlin Company Ltd.
 Harvey Hubbell of Canada Limited
 The Holophane Company, Ltd.
 McGraw-Edison of Canada Ltd.
 Skyline Manufacturing Limited
 SNOG Division
 Universal Electric Products Co.
 Limited
 Varco Industries Ltd.
 Westinghouse Canada Limited

*Commercial and Industrial Indoor
 Fluorescent Lighting:*

CEB Limited
 C & M Products Limited
 Columbia Electric Limited
 The Holophane Company, Ltd.
 Integrated Lighting Canada Limited
 Lightolier-Canada Limited
 Mid-Day Fluorescent Fixtures Inc.
 Peerless Electric Limited
 Shamrock Lighting Fixtures Inc.

Commercial and Residential Lighting:

C & M Products Limited
 Columbia Electric Limited
 Ideal Electric Mfg. Co. Ltd.
 Kamro Lighting Products
 Mona Lisa Lamp Manufacturing Group
 Progress Lighting Canada
 Residential Lighting Studio Co. Ltd.
 A. Schonbek & Co. Ltd.
 Shamrock Lighting Fixtures Inc.
 Skyline Manufacturing Limited
 SNOOC Division
 Universal Electric Products Co. Limited
 Virden Lighting (Canada)

Emergency Lighting:

Electric Power Equipment Limited
 Emoh Sales & Mfg. Ltd.
 ESB Canada Ltd.
 Gould Manufacturing of Canada Ltd.
 Mirtone Industries Limited

Miscellaneous Lighting:

Appleton Electric Limited
 ESB Canada Ltd.
 ESB Willson Canada Ltd.
 OHM-Rite Electrical Limited
 Rab Electric Mfg. Company Limited
 Télémécanique Canada Ltée-Ltd.

LIGHTNING ARRESTORS

Canadian General Electric Co. Ltd.
 Canadian Ohio Brass Company Ltd.
 Joslyn Manufacturing of Canada Ltd.

LINE HARDWARE

Canadian Ohio Brass Company Ltd.
 Dominion Bridge Company Limited
 Electric Power Accessories Co. Limited
 Joslyn Manufacturing of Canada Ltd.
 McGraw-Edison of Canada Ltd.
 Murray-Jensen Mfg. Ltd.
 Raymond Payer Industries Ltd.
 Slater Steel Industries Ltd.
 The Steel Company of Canada Limited

LINE MAINTENANCE EQUIPMENT

Kearney-National (Canada) Limited
 Raymond Payer Industries Ltd.
 SED Systems Limited
 The Timberland Ellicott Limited

LINE TRAPS

Trench Electric Limited

LINEMAN'S EQUIPMENT

ESB Willson Canada Ltd.

MASTS (SERVICE ENTRANCE)

Electroline Manufacturing Co. Ltd.
 Murray-Jensen Mfg. Ltd.

METAL STRUCTURES, TOWERS AND LIGHTING MASTS

Canron Limited
 Dominion Bridge Company Limited
 Dynamic Industries Inc.
 Hawker Siddeley Canada Limited
 Locweld and Forge Products (1961) Limited
 McGraw-Edison of Canada Ltd.
 Pole-Lite Limited
 Varco Industries Ltd.

METER SOCKETS

Arrow-Hart of Canada Limited
 Canadian General Electric Co. Ltd.
 CEB Limited
 Crouse-Hinds of Canada Limited
 Murray-Jensen Mfg. Ltd.
 Sola Basic Limited

METERS AND INSTRUMENTS

Aircraft Appliances & Equipment Limited
 Bailey Meter Company Limited
 Canadian General Electric Co. Ltd.
 Canadian Research Institute
 George Kelk Limited
 Leeds & Northrup, Canada Ltd.
 Rochester Instrument Systems Limited
 Sangamo Company Limited
 Westinghouse Canada Limited

MINE HOISTS

Canadian General Electric Co. Ltd.
 Westinghouse Canada Limited

MOTORS

Fractional:

The American Superior Electric Company, Ltd.
 Brevel Products Limited
 Brown Boveri (Canada) Ltd.
 Canadian General Electric Co. Ltd.
 Century Electric Division
 Electrohome Limited
 Emerson Electric of Canada
 Franklin Electric of Canada Limited
 The Robbins & Meyers Company of Canada Limited
 Spar Aerospace Products

Integral:

Archer Electrical Supply Co. Ltd.
 Brown Boveri (Canada) Ltd.
 Canadian General Electric Co. Ltd.
 Century Electric Division
 Leroy Somer of Canada
 Reliance Electric Limited
 The Robbins & Meyers Company of Canada Limited
 Westinghouse Canada Limited

MOTOR CONTROLS

Canadian Controllers Limited
 Canadian General Electric Co. Ltd.
 Crouse-Hinds of Canada Limited
 Cutler-Hammer (Canada) Ltd.
 Davis Controls Limited
 Electric Power Equipment Limited
 Harvey Hubbell of Canada Limited
 Struthers-Dunn Relays
 Télémécanique Canada Ltée-Ltd.
 Allen West (Canada) Ltd.
 Westinghouse Canada Limited

MOTOR GENERATOR SETS

Brown Boveri (Canada) Ltd.
 Canadian General Electric Co. Ltd.
 Mechron Engineering Products Ltd.

NUCLEAR REACTOR FUELS

Canadian General Electric Co. Ltd.
 Westinghouse Canada Limited

NUMERICAL CONTROL EQUIPMENT

The American Superior Electric Company, Ltd.

PANEL BOARDS

Bédard Girard Industries Ltd.
 Canadian General Electric Co. Ltd.
 CEB Limited
 Crouse-Hinds of Canada Limited
 Electric Power Equipment Limited
 Electric Switchgear Limited
 Federal Pioneer Limited
 ITE Industries Ltd.
 Montel Incorporated
 Montreal Armature Works, Ltd.
 Penzer Products Ltd.
 E. W. Playford Company Limited
 H. K. Porter Company (Canada) Limited
 Research Industries Ltd.
 D. T. Shaw Company Ltd.
 Taylor Instrument Companies of Canada Limited
 Télémécanique Canada Ltée-Ltd.

POWER SUPPLIES

Allanson Manufacturing Company Limited
 Canadian Dynamics Limited
 Canadian General Electric Co. Ltd.
 CTS of Canada Limited
 Dresser Electric Limited
 Electric Power Equipment Limited
 ESB Canada Ltd.
 FMC of Canada Limited
 Gould Manufacturing of Canada Ltd.
 Mechron Engineering Products Ltd.
 Powertronic Equipment Limited
 Research Industries Ltd.
 SED Systems Limited
 Sola Basic Limited

Stacion Ltd.
Vapor Canada Limited

PRECISION MEASURING EQUIPMENT

Guildline Instruments, Ltd.
Leeds & Northrup, Canada Ltd.
R. H. Nichols Co. Ltd.

PROCESS CONTROL EQUIPMENT AND SYSTEMS

Bailey Meter Company Limited
Bédard Girard Industries Ltd.
CAE Electronics Limited
Canadian Dynamics Limited
Canadian General Electric Co. Ltd.
Federal Pioneer Limited
Fischer & Porter (Canada) Limited
FMC of Canada Limited
The Foxboro Company Limited
Leeds & Northrup, Canada Ltd.
E. W. Playford Company Limited
Reliance Electric Limited
Taylor Instrument Companies of Canada Limited
Télémechanique Canada Ltée-Ltd.
Westinghouse Canada Limited

PURCHASING SERVICES

A. D. Burford International Limited
Canada Electric International
Nedco (1975) Ltd.
(Several of the larger consultants also provide these services. Refer to the Consulting Engineers Canada Directory available at your nearest Canadian trade office.)

RACKS

Hammond Manufacturing Company Limited

REACTORS (POWER SYSTEM AND SATURABLE)

Canadian General Electric Co. Ltd.
Dresser Electric Limited
Hammond Manufacturing Company Limited
Polygon Industries Limited
Tracon Engineering Ltd.
Trench Electric Limited
Westinghouse Canada Limited

RECORDERS

Bailey Meter Company Limited
Leeds & Northrup, Canada Ltd.
R. H. Nichols Co. Ltd.
Sangamo Company Limited
SED Systems Limited
Sioc Limited
Taylor Instrument Companies of Canada Limited

RECTIFIERS

Canadian Dynamics Limited

Canadian General Electric Co. Ltd.
CTS of Canada Limited
Dresser Electric Limited
The Electrolyser Corporation Ltd.
FMC of Canada Limited
Gould Manufacturing of Canada Ltd.
Powertronic Equipment Limited
Research Industries Ltd.
Stacion Ltd.
Westinghouse Canada Limited

REGULATORS

Aircraft Appliances & Equipment Limited
The American Superior Electric Company, Ltd.
Bailey Meter Company Limited
George Kelk Limited
Moloney Electric Company of Canada Limited
Powertronic Equipment Limited
Sola Basic Limited
Stacion Ltd.
Vapor Canada Limited
Allen West (Canada) Ltd.

RELAYS

Canadian Controllers Limited
Canadian General Electric Co. Ltd.
Electric Power Accessories Co. Limited
L. H. Frost (Canada) Ltd.
H. K. Porter Company (Canada) Limited
Struthers-Dunn Relays
Télémechanique Canada Ltée-Ltd.
Texas Instruments Incorporated
Westinghouse Canada Limited

REPAIR AND OVERHAUL SERVICES

CAE Electronics Ltd.
Canadian Research Institute
Montreal Armature Works, Ltd.
R. H. Nichols Co. Ltd.
Thomson Electrical Works Limited
Westinghouse Canada Limited

RESISTORS AND RHEOSTATS

Canadian Controllers Limited
Harvey Hubbell of Canada Limited
Thomson Electrical Works Limited
Allen West (Canada) Ltd.
P. M. Wright Electrical Co. Ltd.

SIGNALING SYSTEMS AND EQUIPMENT

Bédard Girard Industries Ltd.
Edwards of Canada

SOLDERING EQUIPMENT

Electrovert Ltd.

SOLENOIDS

Canadian General Electric Co. Ltd.
L. H. Frost (Canada) Ltd.
Westinghouse Canada Limited

STARTERS (FLUORESCENT)

Canadian General Electric Co. Ltd.
L. H. Frost (Canada) Ltd.
Westinghouse Canada Limited

SUBSTATIONS (UNIT)

Archer Electrical Supply Co. Ltd.
Canadian General Electric Co. Ltd.
Dominion Bridge Company Limited
Electric Switchgear Limited
Federal Pioneer Limited
ITE Industries Ltd.
Markham Electric Ltd.
Moloney Electric Company of Canada Limited
Montel Incorporated
Montreal Armature Works, Ltd.
Polygon Industries Limited
H. K. Porter Company (Canada) Limited
Westinghouse Canada Limited

SUPERVISORY CONTROL SYSTEMS

CAE Electronics Ltd.
Canadian Dynamics Limited
E. W. Playford Company Limited

SWITCHES (600 V AND LESS)

Arrow-Hart of Canada Limited
Ascoelectric Ltd.
Canadian Controllers Limited
Canadian General Electric Co. Ltd.
CEB Limited
Crouse-Hinds of Canada Limited
Eagle Electric of Canada Limited
Federal Pioneer Limited
Harvey Hubbell of Canada Limited
Iberville Fittings (1962) Limited
ITE Industries Ltd.
Leviton Manufacturing of Canada Ltd.
Penn Metal Products Co. Ltd.
Smith & Stone Limited
Télémechanique Canada Ltée-Ltd.
Allen West (Canada) Ltd.
Westinghouse Canada Limited

SWITCHES (MORE THAN 600 V, INCLUDING DISCONNECTS)

Archer Electrical Supply Co. Ltd.
Cegelec Industries Inc.
Dominion Cutout Limited
Electric Switchgear Limited
Federal Pioneer Limited
Harvey Hubbell of Canada Limited
ITE Industries Ltd.
Joslyn Manufacturing of Canada Ltd.
Kearney-National (Canada) Limited

Montel Incorporated
 Patton & Cooke Ltd.
 Penzer Products Ltd.
 H. K. Porter Company (Canada)
 Limited
 S & C Electric Canada Ltd.
 Smith & Stone Limited

SWITCHGEAR

Archer Electrical Supply Co. Ltd.
 Bédard Girard Industries Ltd.
 Canadian General Electric Co. Ltd.
 CEB Limited
 Electric Power Equipment Limited
 Electric Switchgear Limited
 Federal Pioneer Limited
 Gould Manufacturing of
 Canada Ltd.
 ITE Industries Ltd.
 Markham Electric Ltd.
 McGraw-Edison of Canada Ltd.
 Montel Incorporated
 P.C.G. Switchgear Limited
 Penzer Products Ltd.
 E. W. Playford Company Limited
 S & C Electric Canada Ltd.
 Staticon Ltd.
 Westinghouse Canada Limited

TELEMETRY SYSTEMS AND EQUIPMENT

CAE Electronics Ltd.
 Fischer & Porter (Canada) Limited
 SED Systems Limited

TERMINALS AND BOARDS

H. B. Etlin Company Ltd.

TEST EQUIPMENT

Canadian Research Institute
 Electrical Testing Instruments Ltd.
 ITE Industries Ltd.
 Sangamo Company Limited

TIMERS

Canadian General Electric Co. Ltd.
 James B. Carter Limited
 Struthers-Dunn Relays

TOWERS

(see metal structures)

TRAFFIC CONTROL EQUIPMENT AND SYSTEMS

Canadian General Electric Co. Ltd.

TRANSFORMERS

Power:

Archer Electrical Supply Co. Ltd.
 ASEA Industries Ltd.
 British Columbia Transformers
 Co. Ltd.
 Canadian General Electric Co. Ltd.
 CARTE Electric Ltd.
 Federal Pioneer Limited
 Moloney Electric Company
 of Canada Limited
 Polygon Industries Limited

H. K. Porter Company (Canada)
 Limited

Westinghouse Canada Limited

Distribution:

Archer Electrical Supply Co. Ltd.
 British Columbia Transformers
 Co. Ltd.
 Canadian General Electric Co. Ltd.
 CARTE Electric Ltd.
 Dresser Electric Limited
 Federal Pioneer Limited
 Hammond Manufacturing Company
 Limited
 Marcus Transformer of Canada Ltd.
 Marr Electric Limited
 McGraw-Edison of Canada Ltd.
 Moloney Electric Company of
 Canada Limited
 Penzer Products Ltd.
 Polygon Industries Limited
 H. K. Porter Company (Canada)
 Limited
 Reliance Electric Limited
 Skyway Electric Co. Ltd.
 Sola Basic Limited
 Tracon Engineering Ltd.
 Westinghouse Canada Limited

Specialty:

Allanson Manufacturing Company
 Limited
 The American Superior Electric
 Company, Ltd.
 Canadian General Electric Co. Ltd.
 Dresser Electric Limited
 L. H. Frost (Canada) Ltd.
 Hammond Manufacturing Company
 Limited
 Marcus Transformer of Canada Ltd.
 Marr Electric Limited
 Osborne Electric Company Ltd.
 Polygon Industries Limited
 Sola Basic Limited
 Westinghouse Canada Limited

Instrument:

Canadian General Electric Co. Ltd.
 Moloney Electric Company of
 Canada Limited
 H. K. Porter Company (Canada)
 Limited
 Sangamo Company Limited
 Trench Electric Limited
 Westinghouse Canada Limited

TRANSMISSION LINE STRINGING EQUIPMENT

The Timberland Ellicott Limited

TRANSPORTATION EQUIPMENT (ELECTRICAL)

Bédard Girard Industries Ltd.
 Brown Boveri (Canada) Ltd.
 Canadian General Electric Co. Ltd.
 Westinghouse Canada Limited

TROUGHS AND RACEWAYS

Crouse-Hinds of Canada Limited

Electrovert Ltd.
 Iberville Fittings (1962) Limited
 H. K. Porter Company (Canada)
 Limited

TURBINES (HYDRAULIC)

Dominion Engineering Works,
 Limited
 Marine Industries Limited

TURBO-GENERATORS

Gas:

Marine Industries Limited
 Orenda Limited
 Westinghouse Canada Limited

Steam:

Howden Parsons Limited
 Marine Industries Limited
 Westinghouse Canada Limited

UTILITY MAINTENANCE VEHICLES

Canadian Ohio Brass Company Ltd.
 The Timberland Ellicott Limited
 Wajax International Limited

VARIABLE SPEED DRIVES

Canadian General Electric Co. Ltd.
 Reliance Electric Limited

WATTHOUR METERS

Sangamo Company Limited

WELDERS, ELECTRODES AND ACCESSORIES

Arcweld Products Ltd.
 Hobart Brothers of Canada Ltd.
 Krushel and Sons
 Lincoln Electric Company of
 Canada Limited
 Miller Welders Canada Ltd.
 Newcor Canada Ltd.
 Smith Roles Ltd.
 Teledyne Precision Ltd.
 Tracon Engineering Ltd.

WIRE

(See brochure entitled "Wire and Cable Canada" available from your nearest Canadian trade commissioner or consul.)

WIRING DEVICES

Arrow-Hart of Canada Limited
 Canadian General Electric Co. Ltd.
 Crouse-Hinds of Canada Limited
 Eagle Electric of Canada Limited
 Electro Rubber Products Limited
 H. B. Etlin Company Ltd.
 Fleck Manufacturing Company
 Harvey Hubbell of Canada Limited
 Iberville Fittings (1962) Limited
 Leviton Manufacturing of
 Canada Ltd.
 P. & S. Wiring Devices
 Smith & Stone Limited
 Tel-Eye Industries Canada Ltd.

Associations

The Canadian electrical manufacturing industry is well represented by trade associations which serve as industry spokesmen and provide a valuable link between the member companies, various government levels and their public.

Canadian Electrical Association
1 Westmount Square
Suite 500
Montreal, Quebec
Canada
Tel: (514) 935-7471

Canadian Export Association
1080 Beaver Hall Hill
Montreal, Quebec
Canada
Tel: (514) 866-4481

Canadian Manufacturers Association
1 Yonge Street
Toronto, Ontario
Canada
Tel: (416) 363-7261

Canadian Standards Association
178 Rexdale Boulevard
Toronto, Ontario
Canada
Tel: (416) 743-5200

Electrical and Electronic Manufacturers Association
of Canada (EEMAC)
1 Yonge Street, Suite 1608
Toronto, Ontario
Canada
Tel: (416) 862-7152

Machinery & Equipment Manufacturers Association
of Canada
503-116 Albert Street
Ottawa, Ontario
Canada
Tel: (613) 232-7213

Related Publications

The following publications may be obtained (as supplies are available) or used for reference. Please contact your nearest Canadian Trade Office or the:

Electrical and Electronics Branch (45)
Department of Industry, Trade and Commerce
Government of Canada
Ottawa, Ontario
Canada
K1A 0H5

Airport Electronics Catalogue

Canada in the World of Electronics

Canadian Electric Power Systems Manual (available for reference only, not for distribution)

Consulting Engineers Canada

Wire and Cable Canada

(Many of these publications are available in more than one language.)

For further information about Canada's electrical industry, please contact:

Electrical and Consumer Products Division
Electrical and Electronics Branch (45)
Department of Industry, Trade and Commerce
112 Kent Street
Ottawa, Ontario
Canada
K1A 0H5

or the nearest Canadian Trade Office.

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