

The Circuit

ShawFlex

July 2005
Volume 18, Issue 1



Special points of interest:

- Looking Back - An Electrical History in Canada
- Lead Times - Make Sure to Check Them!!!
- New Capacity

Electrical History, 1940 to 1980

1940 to 1960

1940 sees the Rosedale Generating Station at 330 mW, using six coal fired turbines, becoming the largest thermal generating station in Canada.

In 1944 the Quebec Hydro Electric Commission is formed by expropriating the investor owned utilities. The Commission went on to become Hydro Quebec.

In 1948, 93% of electricity produced in Newfoundland is destined for the pulp and paper industry.

In 1949 Saskatchewan passes the Rural Electrification Act. Within a few short years 67,000 farms and all villages in the populated half of the province are connected.

In 1951 the first steam turbo generator is put into service at the Richard L. Hearn station in Toronto. Generating capacity is 100 mW.

Studies begin in 1953 for Canada's first nuclear power station in Ontario. Construction begins the following year with the station going on line in 1962.

In 1956 Hydro Quebec completes work on the Bersimis 1 station following seven years work. This becomes the first of several mega-projects undertaken by HQ.

B.C. Electric becomes the first utility in Canada to build a 360 kV transmission line.

1960 to 1970

Canada's first prototype nuclear power station begins production in 1962. Capacity is 25 mW.

In 1965 Hydro Quebec inaugurates the world's first 735 kV transmission line.

The first commercial nuclear power station, the 200 mW Douglas Point Station, delivers power to the Ontario grid in 1967.

1970 to 1980

The first four units of the Pickering Nuclear Generating Station are completed between 1971 and 1973.

In 1971 the Churchill Falls Hydro Electric Generating Station achieves full power. When all 11 units (475,000 kW each) are completed in 1974, Churchill Falls is the largest hydro electric station in the world.

In 1979 Hydro Quebec's La Grande 2 project starts in what was the beginning of the James Bay development.

Nuclear based production increased throughout the decade to reach almost 10% of all capacity.

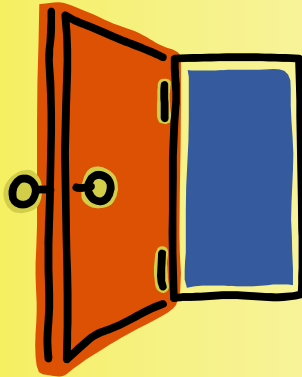
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Atomic Energy of Canada is formed in 1952

ShawFlex Changes...

As many of you likely are aware, we said good-bye to Doug Wood on June 30th of this year. Doug has moved on to become General Manager of Lapp Canada. We wish him all the best.



Effective July 1st, Brenda Knutson was appointed Sales and Marketing Manager, ShawFlex

Brenda will be located in Western Canada and will continue her duties as Western Region Sales Manager in addition to accepting the responsibilities of her new position.

Brenda can be contacted at her western office at 780 986 9678 or at her Toronto office 416 744 5777. Her eMail address is bknutson@shawflex.shawcor.com.



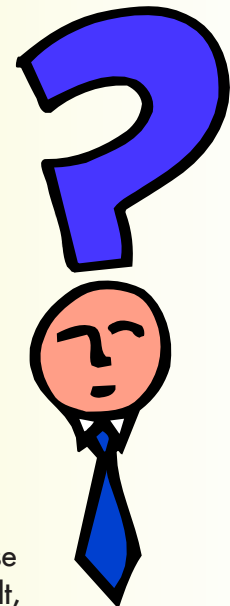
Mensa Brain Teaser



Volume 17: What town had the worst mining disaster in Canada?

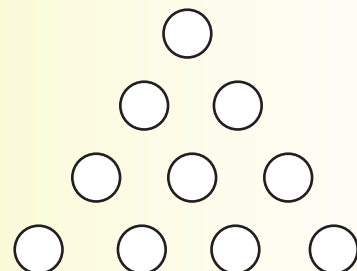
Answer: Hillcrest, Alberta

Correct answers were received from: Philippe Lamoureux, Patricia Decarie, Denise Lavoie, Anixter Montreal; Bert Caines, Ron Roy, Anixter Dartmouth; Eric Verreault, Metro Noramco Montreal; Bill Lahey, Anixter St John's; Darcy Robinson, Westburne Loydminster; Arnie Kaine, Texcan Calgary; Lorraine Halchuk, Bonnie Hartog, Anixter Winnipeg; Greg Menzies, Noramco Burnaby; Ann Russel, NCS Burnaby; Brendon Rafter, Anixter Richmond



New Challenge

Make this triangle point downward by moving the very minimum number of balls.



News Across the Country

If you have any questions or concerns please do not hesitate to contact us at 800 668 4842 or talk to your Regional Sales Manager

Western Droppings

A coalition of Canada's energy industry is calling on all levels of government to come up with clear, coherent, policies on energy.

The Energy Dialogue Group (EDG) has sent a 30 page document to Canada's Council of Energy Ministers, in advance of their September 20th meeting in St. Andrews, New Brunswick.

Representing 18 industry associations, the EDG is urging Canadian governments to articulate a clear policy on energy.

Current EDG member associations are the Association of Power Producers of Ontario, the Canadian Association of Oilwell Drilling Contractors, the Canadian Electricity Association, the Canadian Energy Efficiency Alliance, the Canadian Gas Association, the Canadian GeoExchange Coalition, the Canadian Hydropower Association, the Canadian Nuclear Association, the Canadian Petroleum Products Institute, the Canadian Wind Energy Association, the Coal Association of Canada, the Energy Council of Canada, Fuel Cells Canada, the National Electricity Round Table, the Petroleum Services Association of Canada and the Propane Gas Association of Canada Inc.

Central Crumbs

Toyota formally announced that it will build its second Canadian plant in Woodstock ON.

This deal ends months of speculation that they had selected Woodstock as its future home.

The facility which is scheduled to be up and running by 2008 will pump out 100,000 vehicles

The plant will build the Rav 4 sport utility vehicle along with Toyotas youth orientated brand Scion.

The plant is expected to create 1,300 direct new jobs along with several thousand additional jobs at parts manufactures and related industries.

The cost to build the plant will be in the 800 million dollar range with Ottawa and Ontario kicking in \$125 million in aid.

Ontario's share, \$70 million, will go towards training and infrastructure, Ottawa's \$55 million will be in the form of repayable support.

A
big **Thank-You** to all the customers who hung in there with us while we re-aligned our plant for additional capacity. The good news is that the new armouring machine is up and running giving us additional capacity! This machine has just started so the effect likely will not be seen for a few weeks yet but soon you should see those armouring lead-times drop to the ShawFlex norm. The next issue will have a more detailed version of what this machine can do.

Eastern Tidbits

The latest hot topic in Eastern Canada is LNG. Liquefied Natural Gas storage facilities are being planned for Quebec and in the Maritimes. The Quebec plants are down river from Quebec City and are going through the environmental approval stage. One project at Gros Cacouna was voted down by the local residents however, it will resurface in a modified form. The second project is called Rabaska and has so far met the criteria for approval.

The Irving facility is pretty much assured of being built as both levels of government in New Brunswick have offered a tax break to Irving.

The cost of domestic natural gas has increased substantially over the past while. These installations would allow gas from other producing countries to be imported in bulk.

New Capacity in Armouring

