

- 1945 First working reactor, ZEEP (Zero Energy Experimental Pile), outside of the United States attained criticality at CRNL.
- 1947 NRX (National Research Experimental) reactor came into operation at CRNL. Initial power 38 megawatts (thermal).
- 1952 Formation of Atomic Energy of Canada Limited as a Crown corporation. Commercial Products transferred from Eldorado Corporation to AECL.
- 1957 NRU (National Research Universal) reactor came into operation. Design power 200 megawatts (th).
- 1962 NPD (Nuclear Power Demonstration) generating station started operations at Rolphton, Ont. Power 22 megawatts (electrical).
- 1964 WR-1 reactor came into operation at Whiteshell Nuclear Research Establishment, Man., using mixture of organic fluids as coolant -- Canada's first organic cooled reactor. Initial power 40 megawatts (thermal).
- 1965 First Canadian full-scale prototype power reactor started up at Douglas Point. Heavy-water-moderated, heavy-water-cooled reactor, with output of 208 megawatts (electrical).
- 1970 Gentilly boiling light-water-cooled power reactor attained criticality near Trois-Rivières, Que. Power output to be 250 megawatts (electrical).
- 1971 Pickering I came into operation. Power output 540 megawatts (electrical). Pickering II attains criticality.

