

CANADIAN NUCLEAR REACTORS IN OPERATION, UNDER CONSTRUCTION OR UNDER DETAILED DESIGN

| Name | Location | Date of Start-up | Power | Fuel | Moderator | Coolant | Use |
|--|-------------------------|------------------|--------------------------------|--|----------------|------------------------|--|
| Zero Energy Experimental Pile (ZEEP)..... | Chalk River, Ont. | 1945 | 100 w. | Natural uranium metal or oxide | Heavy water | — | Lattice experiments |
| National Research Experimental (NRX) ¹ | Chalk River, Ont. | 1947 | 42,000 kw. | Natural uranium oxide and enriched uranium alloy | Heavy water | Ordinary water | Research, engineering tests and isotope production |
| National Research Universal (NRU)..... | Chalk River, Ont. | 1957 | 90,000 kw. to 120,000 kw. | Enriched uranium alloy | Heavy water | Heavy water | Research, engineering tests and isotope production |
| Pool Test Reactor (PTR)..... | Chalk River, Ont. | 1957 | 100 w. | Enriched uranium alloy | Ordinary water | Ordinary water | Reactivity and absorption measurements |
| Toronto University Sub-critical Reactor..... | Toronto, Ont. | 1958 | — | Natural uranium metal | Heavy water | — | Research and teaching |
| McMaster Nuclear Reactor (MNR)..... | Hamilton, Ont. | 1959 | 2,000 kw. | Enriched uranium metal | Ordinary water | Ordinary water | Research |
| ZED-2..... | Chalk River, Ont. | 1960 | 100 w. | Natural uranium metal oxide or carbide | Heavy water | — | Lattice experiments |
| Nuclear Power Demonstration (NPD)..... | Rolphon, Ont. | 1962 | 20,000 kw. (electricity) | Natural uranium oxide | Heavy water | Heavy water | Power demonstration |
| Whiteshell Reactor No. 1 (WR-1)..... | Pinawa, Man. | 1965 | 40,000 kw. at first | Enriched uranium oxide | Heavy water | Organic liquid | Research and engineering tests |
| CANDU-PHW-200 ² | Douglas Point, Ont. | 1966 | 200,000 kw. (electricity) | Natural uranium oxide | Heavy water | Heavy water | Power |
| Karachi Nuclear Power Plant (KANUPP)... | Karachi, Pakistan | 1970 | 137,000 kw. (electricity) | Natural uranium oxide | Heavy water | Heavy water | Power |
| CANDU-PHW-500 (several reactors) ² | Pickering, Ont. | 1970 | 500,000 kw. (electricity) each | Natural uranium oxide | Heavy water | Heavy water | Power |
| CANDU-BLW-250..... | Pointe aux Roches, Que. | 1971 proposed | 250,000 kw. (electricity) | Natural uranium oxide | Heavy water | Ordinary water boiling | Power |

¹ NRX is essentially duplicated in the Canada-India Reactor, near Bombay, India, which started up in 1960.

² CANDU-PHW stands for "Canadian Deuterium Uranium-Pressurized Heavy Water"

³ The CANDU-PHW-200 design is also employed in the Rajasthan Atomic Power Plant in India, scheduled to start up in 1969.