

# WOLSONG UNITS 1, 2, 3, 4 REPUBLIC OF KOREA



The Wolsong CANDU® nuclear power plant is owned and operated by the Korea Hydro and Nuclear Power Company (KHNP). The four units at the Wolsong site are 700 MWe class CANDU 6 pressurized heavy water reactors (PHWR), designed by Atomic Energy of Canada Limited (AECL). Wolsong Unit 1 went into service in 1983 and Wolsong Units 2, 3, and 4 began operation in 1997, 1998, and 1999 respectively. Wolsong Units 2, 3, and 4 repeat the basic design of Unit 1, with significant design updates and advancements.

Construction began at the Wolsong site in 1977 with the pouring of the reactor building sub-base for Unit 1, which had a 60-month construction period. Construction resumed at the site in 1992, with Wolsong Unit 2, and continued through Units 3 and 4—to October 1st, 1999,

when Unit 4 was declared in-service. Several records were set during the work on Units 2, 3 and 4—the most notable being a 51-1/2 month construction duration for Unit 3 from first containment concrete to in-service.

Units 2, 3 and 4 were designed and constructed using state-of-the-art integrated electronic engineering tools, including Computer Aided Design and Drafting (CADD) systems and Integrated Electrical Control (IntEC) automated wiring, which is a data management software tool, developed by AECL, for the design and installation of cabling and wiring.

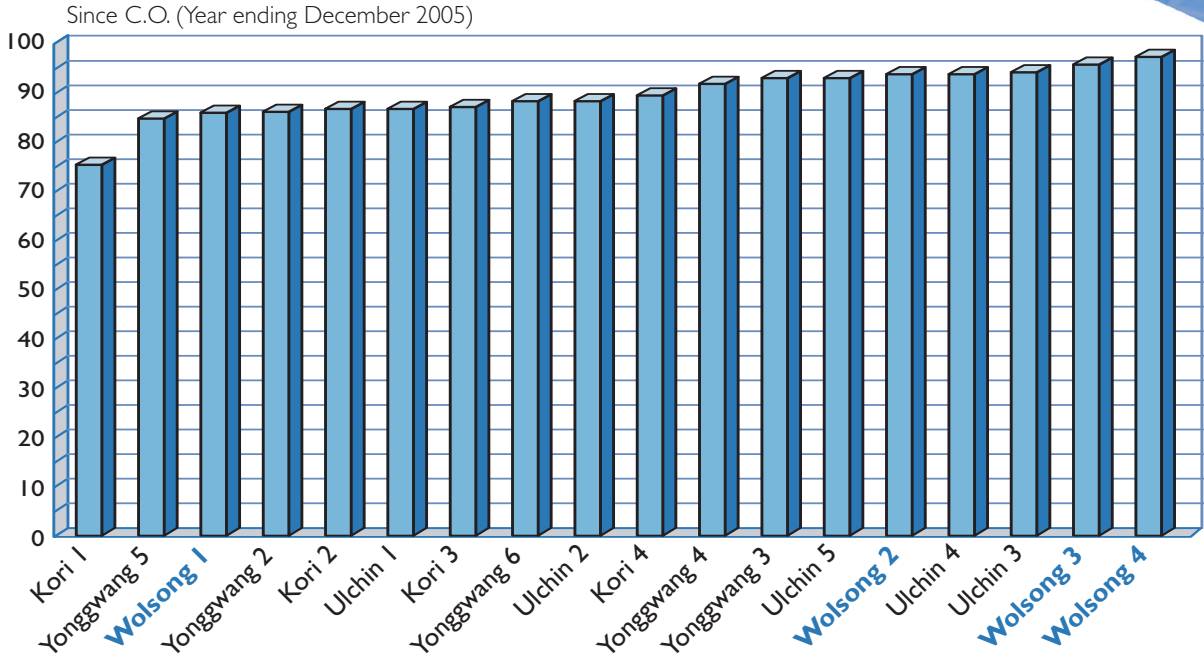
Unit 3 ranked number one for the year ending December 2000 with a capacity factor of 103.1%.

Source of all capacity factors is Nuclear Engineering International (NEI).



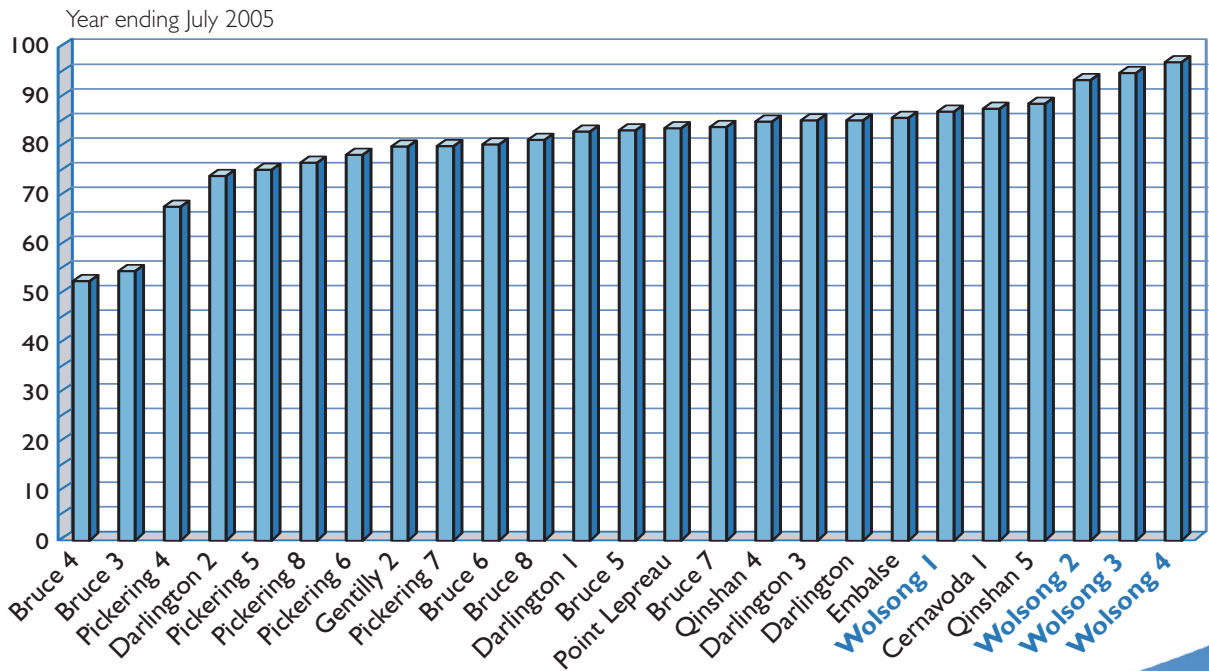
*The four CANDU 6 reactors are world-top performers with a lifetime average of 85.4% for the year ending December 2000.*

## KHNP N.P.P. Operation Statistics



Note: Ulchin 6 has been excluded (no maintenance outage yet)

## CANDU Nuclear Reactor Lifetime Performance (%)



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