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NRC To Begin Full Certification Review of APR1400 Reactor

The Nuclear Regulatory Commission has [docketed for review](#) Korea Electric Power Corp. and Korea Hydro and Nuclear Power's application to certify the APR1400 reactor design for use in the United States.

The companies submitted their revised application for the design, an approximately 1,400 MWe pressurized-water reactor based on the Korean Optimized Power Reactor 1000, on Dec. 23, 2014. The NRC, after conducting an acceptance check, has concluded the application is complete enough for a full [design certification](#) review. The staff will provide a review schedule in the near future.

The NRC's certification process determines whether a reactor design meets the basic U.S. safety requirements. Companies can then reference a certified design in applying for a Combined License to build and operate a reactor in the United States. The NRC's Advisory Committee on Reactor Safeguards provides input on design certification reviews. If issued, certifications are valid for 15 years. The NRC has most recently certified Westinghouse's [AP1000](#) and GE-Hitachi's [Economic Simplified Boiling Water Reactor](#) designs.