

PRELIMINARY STRATEGY FOR REFURBISHMENT AND LIFE EXTENSION OF QINSHAN CANDU UNITS

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Abstract: This presentation mainly focuses on the preliminary strategy for refurbishment and life extension of Qinshan CANDU units. Qinshan CANDU units with plant design life of 40 years and PT design life of 186,000 EFPH started operation in 2002 and 2003 respectively. With the operation performance factor around 90%, the preliminary target of PT life extension to 210,000EFPH, the units are anticipated to be re-tubed around 2028-2029, meanwhile, some of the plant life extension works will be performed, plan to extend the plant life for 60 years. For refurbishment, Qinshan CANDU units have preliminary planned with 3 stages as Decision Stage, Preparation Stage and Refurbishment Execution Stage. And at this time, we have initiated the planning, investigation and training for the refurbishment project, and our main focus recently will be: plant SSC status evaluation to identify the refurbishment scope, to start the financing the project according to the scope, to communicate with the regulator for relevant codes and permits, to investigate and optimize the strategy for project management and contracting, to planning the site refurbishment facilities in advance. Also, we are looking forward to learning from and cooperating with our CANDU fleet members.