

Status of Energy Storage Systems in Korea and KEPCO's Strategy for ESS

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Abstract

A number of policies are in place to develop and expand the Energy Storage System (ESS) in the Republic of Korea. Among them Korea Energy Storage System 2020 action plan (K-ESS 2020) was announced by Ministry of Knowledge and Economy in 2011 to increase installation of energy storage systems. According to the K-ESS 2020 strategy, Korean government has a plan to install various types of ESS, capacity of about 1,700 MW, in the Korean power system by 2020. It will be about 10% of planned total renewable generation capacity in 2020. Therefore the installation capacity of the ESS will be increased very rapidly. We will describe current status of the ESS technology and deployment support programs. We will also discuss recent progresses on ESS R&D and demonstration programs.