



Subtask 5 - Korea technology database

Korea Tech Case #2 : Remotely Controlled Air-Conditioners

A. Brief Overview

The Korea Electric Power Corporation (KEPCO) offers incentives to customers who install remotely controlled air-conditioners to effectively manage the cooling load when needed during summer peak periods. The remotely controlled air-conditioners are installed with the remotely controlled cycling device which permits KEPCO to periodically turn them off and on during the height of the summer season. KEPCO operates the control system within the extent of giving no discomfort to the affected customers.

B. Description of demand response related technologies

A)Control mechanism :

Control by stopping compressor operation (10~15 minute cycle) and/or changing temperature-setting of the air-conditioner.

B)Implementation periods :

Whenever needed by KEPCO (usually 2~3 hours during summer peak periods).

C. Incentive for installation

140,000won for each kW of the air-conditioner's power consumption capacity is paid to customers after installation. Customers should buy remotely-controllable air-conditioners directly from stores and submit evidence of purchase to KEPCO branch offices for confirmation of installation and payment of the incentive.