# The Empirical Research on Central Air-conditioners of Buildings for Peaking Shaving with Flexible Strategies

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**Abstract**

In recent years, the increasingly rising air conditioners load becomes the main reason why the third industry and resident power consumption continuous growth and seasonal peak-valley difference extends. The flexible control of buildings' central air conditioners can be regarded as one of the important peak shifting measures in power grid, improving the power system characteristics and promoting it safer and more economic.

Firstly, the load characteristics and the air conditioning load proportion in Jiangsu Province is introduced and meaning and main measures of flexible Strategies is explained, then the architecture of The Empirical Project on Central Air Conditioners of Buildings is presented, and its deployment scheme of system and terminals. Thus, reconstruction plan of the user side and points are cleared, as well as the user type classification. The core data on the Empirical Research on Central Air-conditioners of Buildings for Peaking Shaving with Flexible Strategies are discussed on detail in 2015 in Jiangsu Province, demonstrating the effect of central air-conditioners of buildings by flexible strategies, respectively from the grid side and user side. The total regulation capacity is up to 12000 KW while one of 504 KW. Finally, the dynamic seasonal CPP implemented mode in Jiangsu Province is introduced, and put forward the development of the project in Jiangsu Province, even the nation.