

The Role and Potential of New Energy Storage in Virtual Power

Plants

Abstract: This PPT explores the role and potential of new energy storage in virtual power plants. Firstly, it introduces the concept and supporting policies of virtual power plants in the context of building New - type Power System. Next, it describes the types of new energy storage, application scenarios, and applications in virtual power plants. Then it introduces its important roles in energy level, power level, security level and market-based trading mechanism. Finally, the operation mode of virtual power plant in which energy storage participates as an important member is introduced. Through the application cases, it is concluded that the new energy storage resources effectively enrich the operation mode of virtual power plants, are the instrument in the process of aggregation of various types of resources, and are also very important regulating resources, which can significantly improve the profitability of virtual power plants.