

Energy storage for demand response taipei

The Ministry of Economic Affairs (hereinafter, the "MOEA") of Taiwan promulgated the Amendments to the Regulations for the Management of Setting Up Renewable Energy Power Generation Equipment of Power Users Above a Certain Contract Capacity (commonly known as the "Large Electricity User Provisions") via the Jing-Neng-11258024060 Directive of October 17, 2023 to revise the definition of energy storage equipment and specifically stipulate that the electrical energy stored in energy storage equipment shall be used by compulsory user of renewable energy, including the energy storage demand response measures for compulsory user of renewable energy that participate in energy storage demand response programs of the electricity retailing utility enterprise.

Renewable energy obligations of large electricity users

The Large Electricity User Provisions are regulations formulated by the MOEA pursuant to the mandate under Article 12, Paragraph 4 of the Renewable Energy Development Act, which stipulates the renewable energy obligations assumed by large electricity users under the Act. Electricity users who sign an electricity contract with a capacity of 5,000 kilowatts or more are obligated renewable energy users and should fulfill their obligations by choosing one or a combination of the following three methods, or paying a monetary substitution:

1. For the installation of renewable energy power generation equipment, the power generation amount must reach 10% of the electricity contract capacity.
2. For the purchase of renewable energy electricity and certificates, the annual purchase amount is calculated by multiplying the electricity contract capacity by 10% and the electricity sold each year in kilowatts for the selected renewable energy category (solar photovoltaic, wind power, small hydropower, biomass power generation, waste-to-power generation, and geothermal energy).
3. For the installation of energy storage equipment, the energy storage capacity is calculated by multiplying the electricity contract capacity by 10% and the minimum power supply time, which is 2 hours.

[1] News released by the MOEA may be accessed at: https://& menu_id=40& news_id=104212. [2] News released by the MOEA may be accessed at: https://& menu_id=40& news_id=104364.

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Rome-Taipei, July 23rd, 2020 - Enel X, the Enel Group's advanced energy services business line, has joined the Taiwan Power Company (TPC)'s demand response program aimed at supporting the country's electricity grid. Enel X, whose local offices are based in Taipei, has partnered with a diverse group of demand response customers including cold storage, food processing, manufacturing, and industrial facilities. These businesses will participate in Enel X's virtual power plant, which now offers its demand flexibility services to TPC, helping to keep the country's electricity grid stable and secure.

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