Budapest energy storage for demand response

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Future energy systems will be greener and cleaner, and must remain achievable and reliable. The integration of high amounts of variable renewable electricity sources presents challenges to grid stability. The workshop focused on enhancing energy security by getting together Hungarian and UK stakeholders to discuss the achievements in flexibility, energy storage and demand side response.

During the workshop, selected UK experts presented the UK"s related energy policy, technology, and regulatory innovation. The invited Hungarian speakers familiarized the audience with the Hungarian best practices. The collaboration aims to enable to reduce the dependence on natural gas, and accelerate the decarbonisation actions, and provide valuable market and policy intelligence to inform representatives of both countries about each other"s achievements.

In line with the REPowerEU, the net zero target and Fit for 55 package, adopt increased ambitions on energy efficiency, renewables and low-carbon technologies and strengthen the 2030 greenhouse gas and sectoral emissions targets. Update the National Energy and Climate Plan and the policies and measures required.

Place energy efficiency at the centre of energy policy making by creating a dedicated body for the implementation of efficiency policies. Design a programme to reduce energy poverty with a focus on energy efficiency and social policy measures, reducing the scope of regulated end-user prices.

To strengthen security of supply, prioritise investments in energy efficiency and domestic low-carbon energy sources by removing all barriers to the roll-out of renewable electricity and its system integration through increased energy storage and demand response. Further reduce demand for and consistently diversify supply sources of crude oil and natural gas.

Review the regulatory framework to increase energy market competition, ensure a level playing field for market participants, strengthen the position of consumers, and open markets for new investors and services.

This policy brief is based on the discussion titled " Flexibility, Energy Storage and Demand Side Response - Knowledge sharing between the United Kingdom and Hungary to enhance energy security workshop ", which took place March 16th, 2023.

Future energy systems will be greener and cleaner but must remain achievable and reliable. Rapid electrification and the integration of high amounts of variable renewable electricity sources present challenges to grid stability. The workshop will focus on enhancing energy security by getting together Hungarian and UK stakeholders to discuss the achievements in flexibility, energy storage, and demand side response.

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“We’ve now got to the point that solar panel capacities planned for 2030 will be completed in 2024,” Laszlo Gyorgy, the government commissioner for professional cooperation in economic strategic tasks, told a press conference in Nyiregyhaza, in eastern Hungary.

Various schemes have been launched to increase energy storage capacity and promote the green transition, he said, noting 75 billion forints-worth of subsidies for households and 30 billion forints available for businesses for purchasing electric cars, among other programmes.

Referring to a public survey on green energy consultation the government launched recently, he said the 13-question online questionnaires can be completed by April 15. The government wants to know whether citizens support Hungary “being the leader of the energy revolution” and whether energy should be produced in an environmentally friendly way. It also wants to understand attitudes to “the domestic production and development of energy storage systems” and whether homes “should be linked to this green system”, he said,

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