

Energy storage for grid stability tallinn

Estonia aims to produce 100% of electricity from renewable energy sources by 2030, and energy storage will be needed to balance the system, the country's climate minister Kristen Michal said.

Kristjan Kalda, the EIC's Project Coordinator for Energy added: "The ten pilot projects that have received a grant will also show other interested parties how the energy storage systems can be used."

Utilitas Eesti received EUR660,000 for heat storage projects in central water heating systems in Jõgeva and Rapla while Utilitas Tallinn receive a similar amount for a system next to the Tallinn Power Plant, which will increase the use of renewable energy in Tallinn's integrated district heating network. The electricity storage projects accounted for the remaining bulk (75%) of the funding.

Ida-Viru is also where Eesti Energia recently announced it plans to develop a 25MW/50MWh BESS through a competitive procurement, which it announced two months ago. It is not clear if the grant-funded project is part of that figure or an entirely separate project.

The funding came from Estonia's portion of the Recovery and Resilience Facility, the EU-wide pot of money for helping countries to mitigate the negative effects of the Covid-19 pandemic. Other countries to have used the funding for energy storage (or other EU-wide schemes) recently include Hungary - reported on last week -Greece,Romania,Finland,CroatiaandSlovenia.

As part of its push to balance growing renewable generation, Estonia is also building two-large pumped hydro energy storage (PHES) facilities. A 225MW project, also by Eesti Energia, could be completed by 2025-26 (duration not yet disclosed) while a 550MW/6GWh system from private investors could start commercial operations in 2028.

Although the PHES projects will clearly increase the country's MWh energy storage capacity by a much greater degree than BESS, the latter is still needed. BESS can react much faster and so are better suited to providing certain ancillary services to the grid operator.

Energy-Storage.news" publisher Solar Media will host the inaugural Energy Storage Summit Central Eastern Europe on 26-27 September this year in Warsaw, Poland. This event will bring together the region's leading investors, policymakers, developers, utilities, energy buyers and service providers all in one place, as the region readies itself for storage to take off. Visit the official site for more info.

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