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EASE's 3 Key Actions to Boost Thermal Energy Storage and its Key Role in the Energy Transition

EASE, the European Association for Storage of Energy, has published its position paper on Thermal Energy Storage (TES), which highlights the role of TES in supporting the energy transition. The paper outlines the applications and key features of TES systems and explains how the heating and cooling sector is important for the transition to a low-carbon energy system. Smart heat concepts, including thermal storage concepts, have the potential to provide the needed flexibility options – storage, demand response, and smart operation – on the short term and at a relatively low cost.

TES concepts have unique features and can be used to manage the variations in supply and demand at different scales: large-scale district heating and cooling networks and industrial applications, but also at smaller scale for commercial buildings and household dwellings. **EASE proposes three concrete short-term actions** that can further leverage the actions proposed by the Commission in the “Clean Energy for All Europeans” Package:

- Assess the benefits and (market) potential of thermal energy storage options for prosumers, industry, and communities, among other flexibility solutions; improve efforts to communicate the role and benefits of thermal storage.
- Implement non-discriminatory market incentives and regulatory frameworks across the EU for flexibility solutions.
- Support demonstration and deployment projects for (new) integrated solutions which incorporate pre-commercial thermal energy storage options in smart energy systems to reach the required flexibility at lowest system costs.

EASE believes that **these proposals would support the EU's goals to empower consumers, improve energy efficiency, and decarbonise the energy sector**, including the often underexposed heating and cooling sector, in a cost-effective way.

To read the full paper, please [click here](#).



EASE would like to thank Joris Koornneef (TNO) for heading EASE's Thermal Storage Task Force, which led the drafting of this paper.

About EASE:

The European Association for Storage of Energy (EASE) is the voice of the energy storage community, actively promoting the use of energy storage in Europe and worldwide. It actively supports the deployment of energy storage as an indispensable instrument within the framework of the European energy and climate policy to deliver services to, and improve the flexibility of, the European energy system. EASE seeks to build a European platform for sharing and disseminating energy storage-related information and supports the transition towards a sustainable, flexible and stable energy system in Europe.

For more information please visit www.ease-storage.eu

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