

Systemic efficiency focuses on optimizing the performance of an entire system, rather than individual components or processes within the system

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Reference: Building Resilient Energy Systems: Actions for Achieving Greater Energy Security, Affordability and Net-zero in the UNECE Region (Page 14); URL: [\[ref\]](#)

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1 | 05-06 / Oct. 2023

Systemic efficiency

Systemic efficiency involves ...

- **Integrated Approach:** Systemic efficiency requires an integrated approach considering the entire energy system
- **Energy Efficiency:** Involves reducing energy consumption and optimizing resource use across different sectors and processes
- **Load Profile Management:** Managing the load profile of the energy system
- **Infrastructure Investment:** Improving the efficiency of energy use, less energy is wasted, and the overall demand for energy infrastructure can be reduced
- **Social and Environmental Benefits:** Can lead to lower energy costs, reduced greenhouse gas emissions, improved air quality, and increased energy security

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2 | 05-06 / Oct. 2023

Systemic efficiency needs more than technology

Systemic efficiency is about the combination of different measures that, when combined, lead to an efficient overall result.

