

ELECTRICITY INFRASTRUCTURE DEVELOPMENT TO SUPPORT A COMPETITIVE AND SUSTAINABLE ENERGY SYSTEM

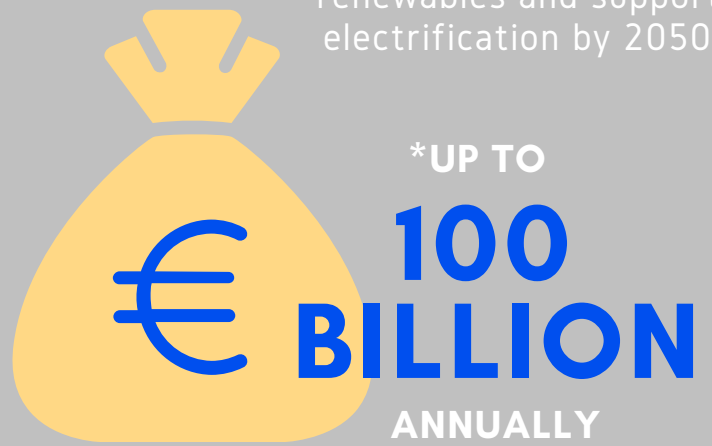


2024 MONITORING REPORT

As Europe advances the energy transition, electricity grids are more important than ever to connect and transport clean energy to end consumers.

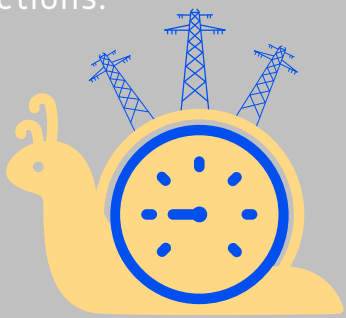


Massive electricity grid investment needed* to connect more renewables and support electrification by 2050.



High stakes of persistent delays in increasing power grid capacity:

- 50% of cross-border capacity needs in Europe are not being addressed.
- 10 years and more to build interconnections.

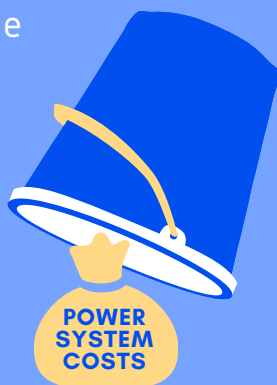


Annual grid investment in local, national and cross-border grid capacities needs to double.



Network costs to increase by 20-40% by 2030, and possibly up to 100% by 2050.

For EU competitiveness, power system costs (which include network costs, expenses associated with security of supply) need to be contained, as they are one of the main drivers of electricity costs.



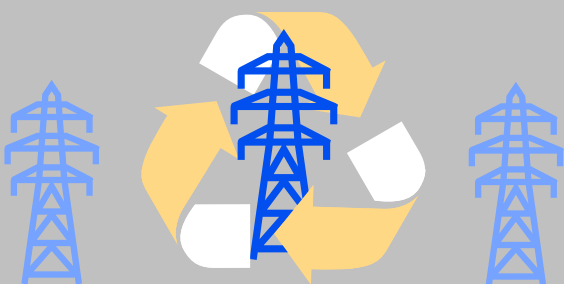
WHAT DOES ACER RECOMMEND?

Network companies need to better plan (and operate) grids, with targeted grid investment based on actual needs and net benefits.



Power grid companies should make better use of the existing grids before building new ones. Innovative grid technologies can help with this.

EFFICIENCY FIRST



Regulators need to monitor investments across all grid levels for efficient grid developments that keep pace with the energy transition and market evolutions. ACER's current power grids monitoring covers merely 10-15% of all EU power grid investment.

