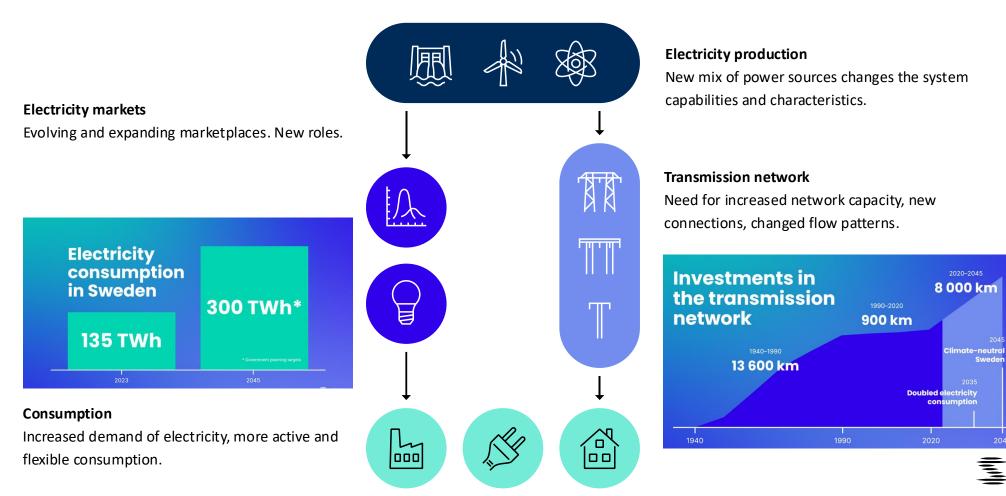
SVENSKA KRAFTNÄT

For a bright and sustainable Sween Viktoria Neimane

SVEN: KRAFI

20240819

An energy system in transition



/FNSKA

High pace in the transition may cause several challenges

- **Grid development challenges** to manage to develop the grid fast enough to meet the need at the same time having to deal with the uncertainty of the system need
- **Operational challenges** increased and more volatile unbalances increase the operational strain
- Adequacy challenges do we risk shortage of electricity production?
- **Market challenges** the market participants will experience more volatile power prices and uncertain prognosis of the long-term power prices.
- **Political and legislative challenges** complex permiting process and uncertainty about the stability of the market rules
- **Stability challenges** With an increase of devices connected to the grid via power electronics (wind, solar, batteries), the power system may become unstable in a number of ways not experienced before.



Together for a brighter Sweden

