



E3G

# Demand side solutions & the TYNDP process

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## The scenarios...

- **Right skills & assumptions:**
  - Bring in data and expertise on digitalisation of energy system
  - Ensure learning over adoption of demand side measures is fed into the process, e.g. set up working group that monitors learning and innovation in this space.
- **Manage demand side risks:** e.g. reflection on cyber security risk, data protection.
- **Operations:**
  - Include a chapter that reflects how DSOs/TSOs need to evolve to operate a system primarily built on grid edge assets and how to implement such concept in time. Can reflect on variations between scenarios.
- **Cost assumptions:**
  - ensure equivalence – demand side options currently do not benefit from same capital cost reductions from RAB. Should not bias investment cost assumptions.

## ...and their application

- **Testing network investments against scenarios:**
  - Ensure high efficiency scenario is used to test viability of new and existing network infrastructure. Include utilisation rates per network piece.
- **Ensuring investment options critical to scenarios are being considered as “active” options and not only “passive” backdrop:**
  - Establish a process in which aggregated/virtual x-border demand side interventions can become a promoted project (especially where they can shave peak demand and lower interseasonal fluctuations).
  - Drop N-1 energy security metric and move to metric that captures ability of the energy system to activate demand side.

## About E3G

E3G is an independent climate change think tank accelerating the transition to a climate safe world.

E3G builds cross-sectoral coalitions to achieve carefully defined outcomes, chosen for their capacity to leverage change. E3G works closely with like-minded partners in government, politics, business, civil society, science, the media, public interest foundations and elsewhere. In 2018, for the third year running, E3G was ranked the fifth most globally influential environmental think tank.

More information is available at [www.e3g.org](http://www.e3g.org)