Third ENTSO-E 2030 Vision Workshop on Visions for the Ten- Year Network Development Plan 2014

Next Steps

Convener of ENTSO-E Working Group System Adequacy
& Market Modelling
Modesto Gabrieli Francescato
2nd July 2013

entsoe
Reliable Sustainable Connected

Next Steps

Main items discussed today

General overview on the 2030 scenario and use in the TYNDP process

- ✓ Scenario definition is on the base on the whole planning process (Market study, Grid study,..)
- ✓ Multi-scenario approach to cover the uncertainties of the future (economy, technology,…)
- ✓ National and European perspective

Bottom-Up scenarios

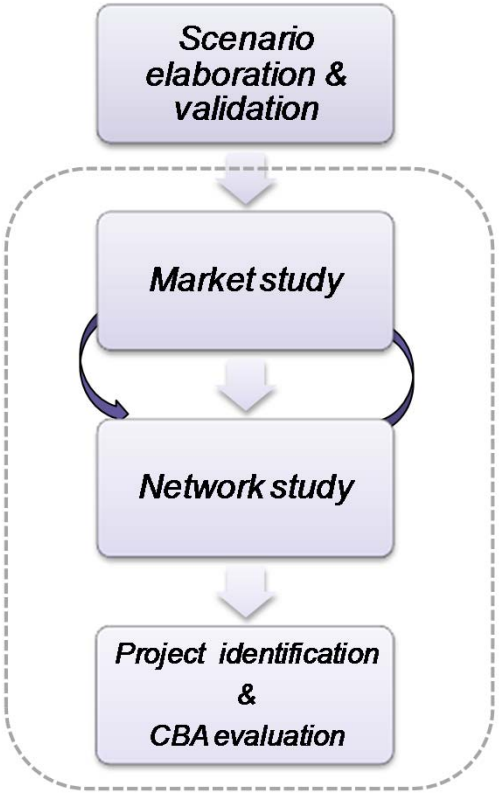
- ✓ National perspective
- ✓ Two scenarios performed: 1) *slow progress* and 3) *green transition*
- ✓ Data provided by TSOs coherent with the general common framework set by ENTSO-E

Top-Down scenarios

- ✓ European perspective
- ✓ Two scenarios performed: 2) *money rule* and 4) *green revolution*
- ✓ Data provided by ET and discussed with TSOs

Next Steps

How the process is going on



- ✓ **Regional Groups** are in charge to perform the following steps in order:
  - ✓ *To evaluate the third party projects (e.g. Merchant lines)*
  - ✓ *To evaluate the TSO's projects already in TYNDP 2012*
  - ✓ *To identify new necessary network reinforcements*
- ✓ ***Regional Groups** can improve the scenario considering specific characteristics of the area (e.g: temperature sensitivity, hydro conditions,…)*

TYNDP 2014

- ✓ *Ten-Year Network Development Plan*
- ✓ *Scenario Outlook and Adequacy Report*
- ✓ *6 Regional Investment Plans*

Next Steps

How to improve the process

General process and communication

- ✓ **Improve the efficiency**: multi-scenario approach can be a very time-consuming process
- ✓ **Speed up the communication among the TSOs**: a lot of guidelines and data have to be checked
- ✓ …….

Scenario building

- ✓ **Bottom-up approach**: to guarantee an harmonization among TSOs (general hypothesis)
- ✓ **Top-down approach**: to improve the balancing between European (EC) and national perspectives
- ✓ …….

Scenario vs Reality

- ✓ **Stakeholder feedback:** scenarios have to improved considering technology development (e.g.CCS technology, biofuel diffusion, ….)
- ✓ **National outlooks:** economy growth, ghg reduction,…..
- ✓ **EC outlook:** economy growth, ghg reduction,…..

Modesto Gabrieli Francescato
Contact: modesto.gabrielifrancescato@terna.it

entsoe
Reliable Sustainable Connected