

# Paris Session 2022



## CONTRIBUTION-2, Q.1

# Integration of DER in Market Reforms

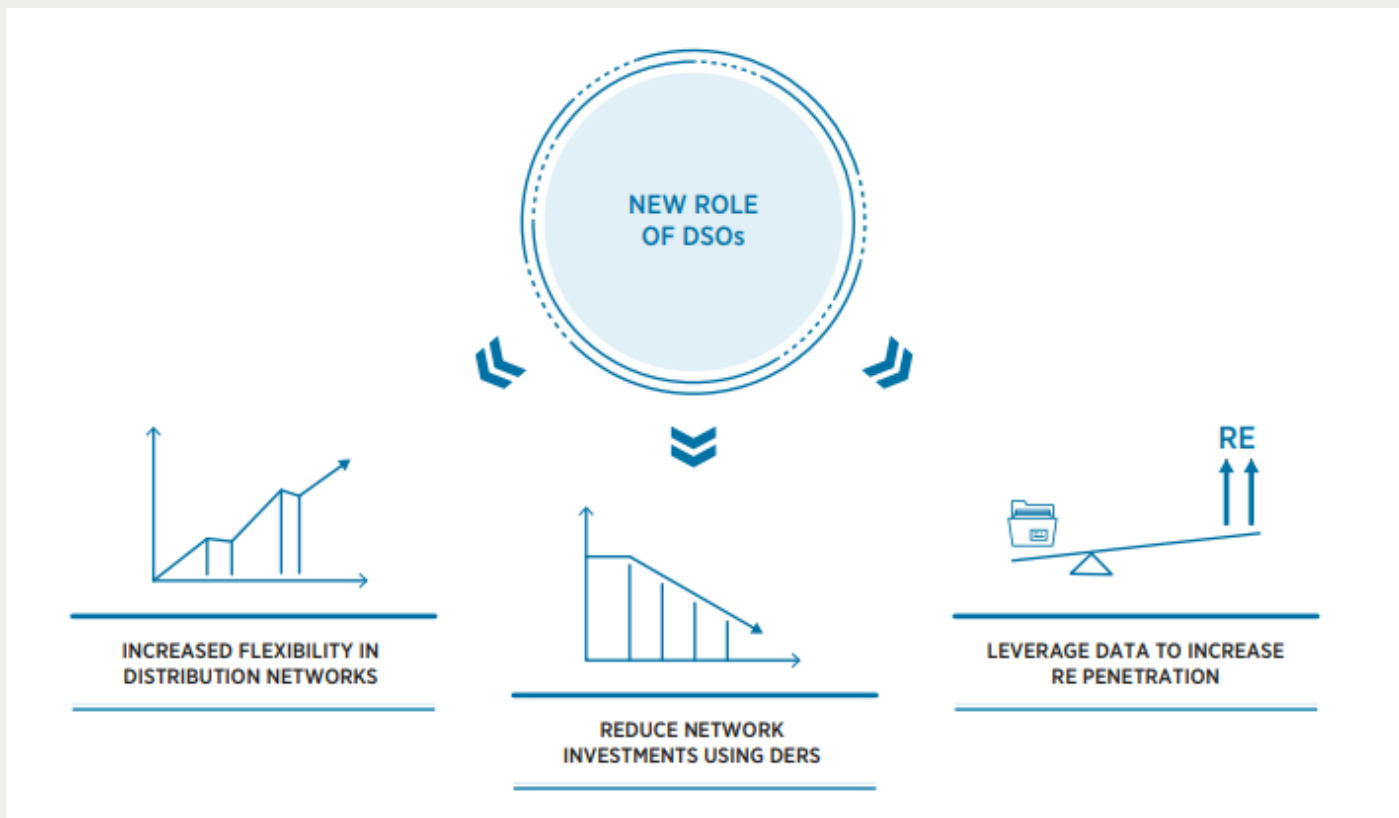
Presented by G. Thorpe  
Prepared by Jacqui Bridge, Australia

## QUESTION-1:

What are the biggest challenges and lessons learnt when considering market reforms in your jurisdiction (with specific reference to the integration of DERs)?



# New Roles for Distribution Energy Providers



## New services

- Orchestrate DER dispatch
- Procurement of network services
- Manage demand response programs
- Manage virtual power plants
- Manage community batteries
- Integrate microgrids

Group Discussion Meeting

# Challenges

## Technical

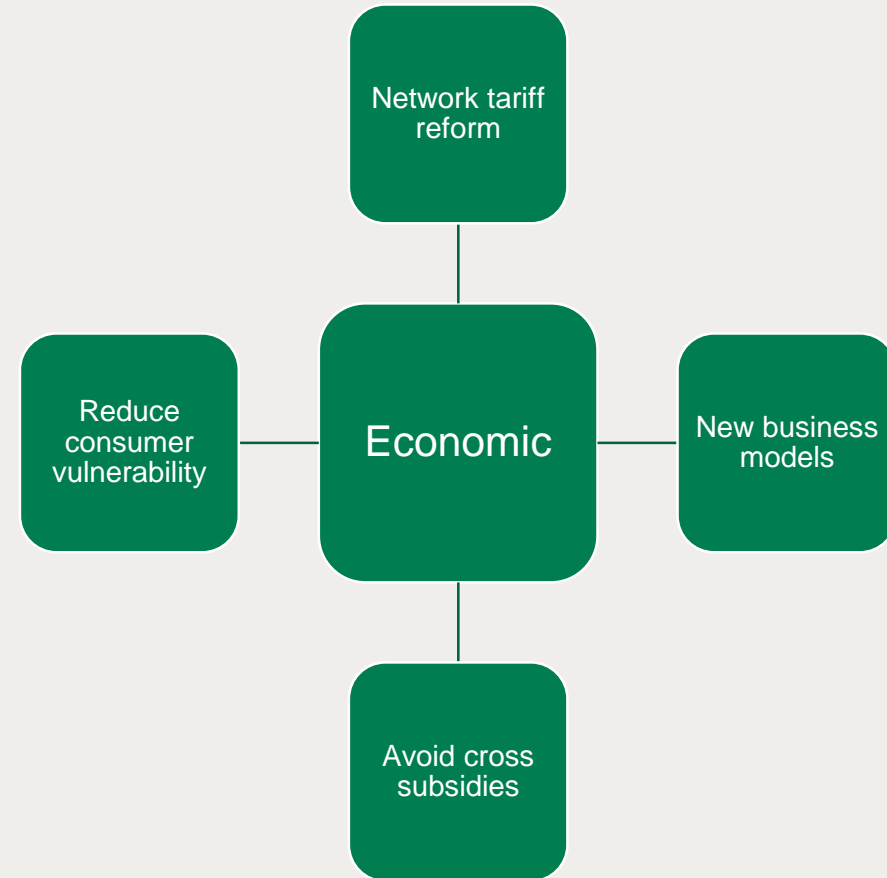
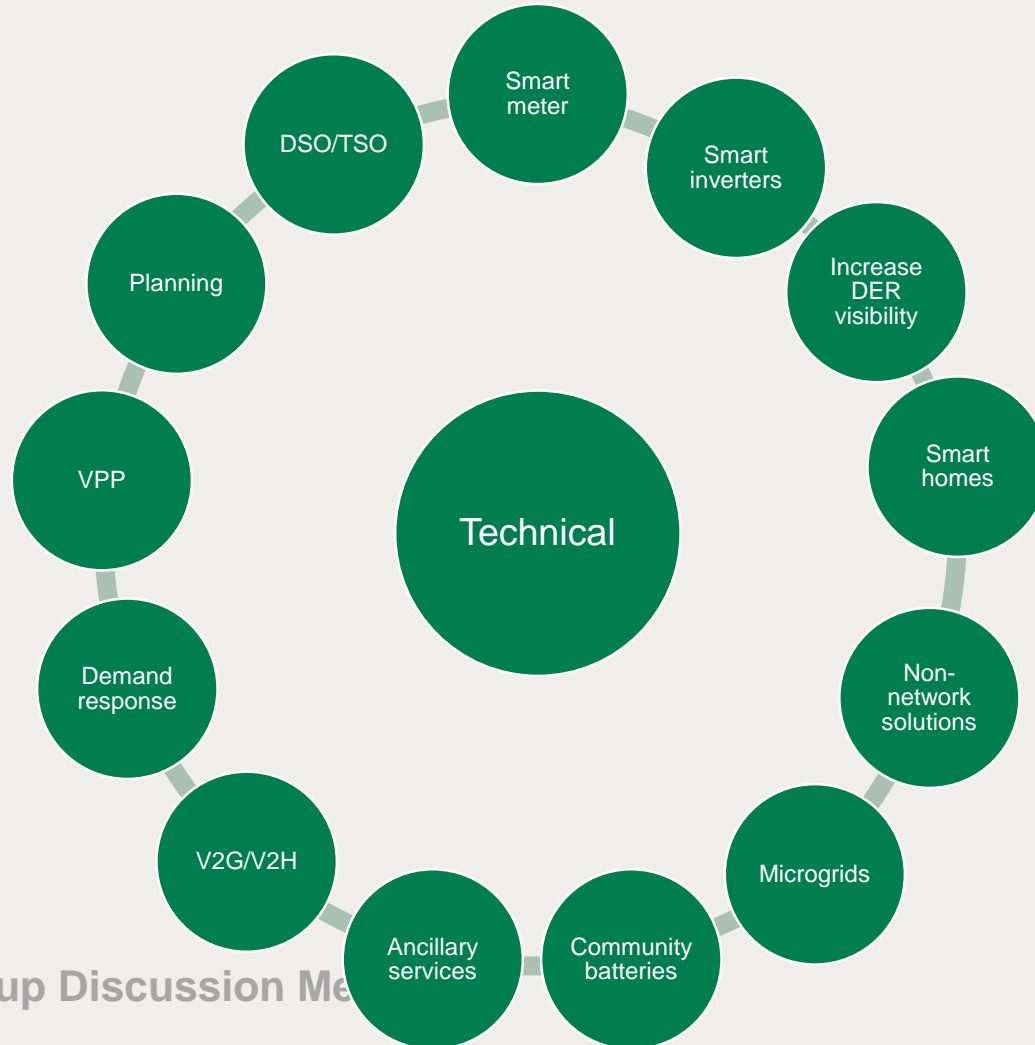
- Voltage variation
- Electric losses
- Grid congestion
- Lower grid reliability
- Cyber security

## Economic

- Lower revenues
- Customes off-grid
- Higher O&M costs
- Higher non-technical losses
- Cross subsidies
- Lower energy affordability
- Penalties from Regulator

Group Discussion Meeting

# Addressing the Challenges



Group Discussion Me