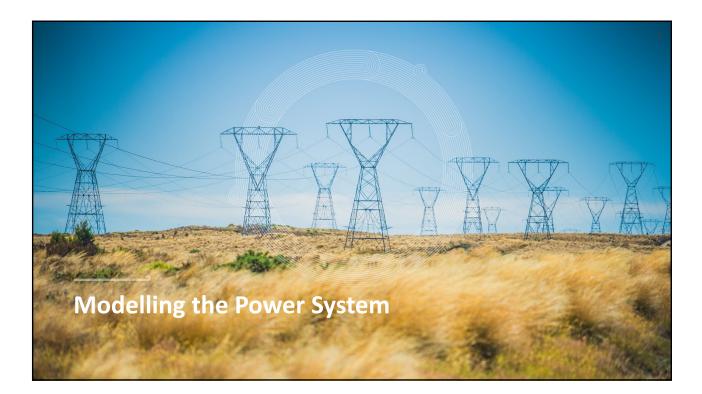
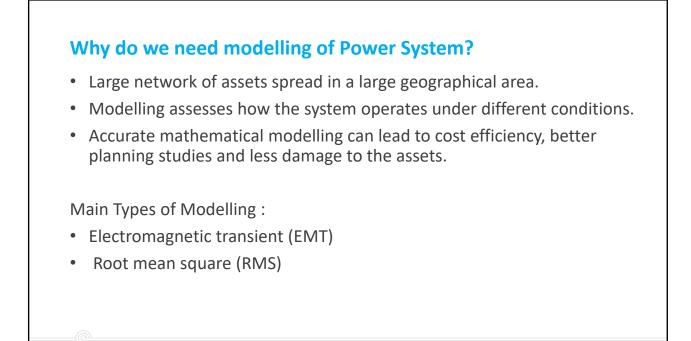


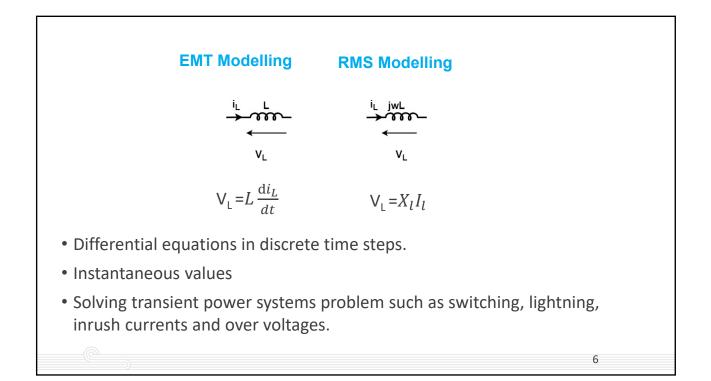


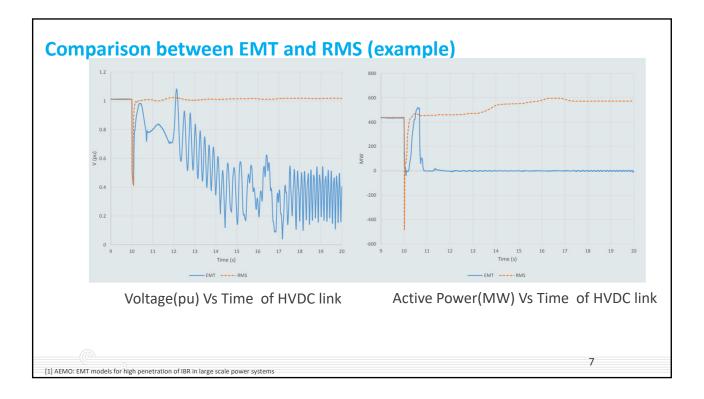
## Outline

- Modelling the power system
- RMS and EMT modelling
- Transpower Generator Connection guidelines
- Case Study for Grid Zone 4 Network model

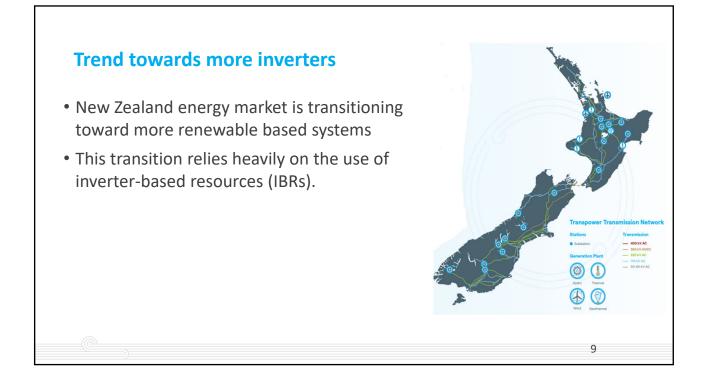












## **Transpower Connection study requirement**

- PSCAD EMT modelling to assess Fault Ride Through (FRT) for low Short Circuit Ratio (SCR) and weak grid connections.
- New Zealand power system is impractical to model in EMT due to complexity of the model.
- Divided into several grid zones (GZ) with the rest of the network modelled as equivalent models.

Connecting generation | Transpower

