

Online submission by Dr. Ali Mohamed Abdullahi

The Western Australia Energy market surely needs reforms at all levels of the Electricity Value chain from Power Generation, Transmission and Distribution. Though some reforms have been done thus far the challenge is how expand on those reforms? and my suggestions briefly are as follows:

1. Power Generation and Distribution can have many players to increase reliability of power and price competition that private sector can play a big part specially CCGT gas power plants that are quite efficient and reliable on the generation side for both base-load and Emergence power
2. Government should be careful on how it privatizes the Transmission networks both from the angles of Reliability, Security, and future upgrade and Modernization of the Network
3. Though Solar and Wind are good alternatives of Renewable Energy the Government should not rely 100% on their reliability for major base-load planning purposes
4. Fourthly, though Distributed Energy Systems are the most touted Renewable systems their reliability and security cannot be relied upon for Emergence and industrial purposes.
5. If any Solar technology is to be reliable for base-load purposes then CSP Power-with molten Salt Storage should be given a priority though CAPEX issues and initial costs are extremely high in Australia. These are the issues that sank the South Australian major CSP Project as a case-study project. CSP Power requires the coordination, Cooperation and Research from both Public and Private sector players. Western Australia today can become the center of Industrial production in Asia Pacific if it uses its abundant gas resources that is available offshore in a smart way at creating more jobs and opportunities.