Implementing Electrical Smart Grids and Upcoming Challenges

considering incremental awareness in energy and environment areas, demanding reliable and stable electricity network and also needing high quality and reliable resources made smart grid a common goal to reach electricity network development all around the world. The smart grid has to be implemented as soon as possible so it could have desired effect on the current procedure of power supply, reliability, and renewable energies’ operation. Nevertheless succeeding in this plan depends on many implementation factors such as consumers’ cooperation, devices capability to utilize information technology progression, general standards adoption, and efficiency increase in the related energy transmission system. Failure in such a great plan is not out of the question if we don’t have an appropriate vision about its implementation upcoming challenges. So we have to identify these challenges as soon as we have recognized various components of smart grid

bilateral communication, power market, smart measurement devices, smart grid, energy consumers.

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