



A Theoretical Review on Location and Sizing of Distributed Generation

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Abstract – In order to supply the growth of current and future electricity demand, attention is directed to distributed generation (DG). DG has become a complementary energy source for centralized generation, it has gained a lot of space in distribution systems. In addition, the large plants involve high costs, large greenhouse gas emissions and difficulty in obtaining environmental permits, these factors have also boosted the use of DG with renewable resources (wind, solar and water). This paper presents a review of the present work aimed to quantify the advantages of the location and sizing of distributed generation frameworks.

Keywords – Active Power Losses, Centralized Generation, Distributed Generation, Network Operators, Reactive Power Losses, Voltage Profiles, etc.