

# **Economic Analysis of Reliability Improvement In Distribution Systems Based on Electric Energy Cost**

Seyed Mohammad Ali Miri Nargesi\*, Dr. Yaser Bostani, Dr. Abdolreza Tavakoli,

**Abstract:** Improving the reliability of network and moving toward a secure network are desirable for all electricity companies. Moreover, connection of consumers and effects of interruptions on them lead to a critical condition for distribution companies. Many studies about reliability of distribution networks have been performed which often have neglected economic issues. Since, improving the reliability impose additional cost to electricity companies, corrective action should be ed based on the improving the reliability and cost of reinforcement of network. In other words, the economic aspect should be considered. As the final goal of corrective action is improving the condition of all consumers, is this research, the cost of each consumer is used as an index for evaluating the corrective action in various sections of network.

**Keywords :** Keywords: Economic analysis, distribution systems, reliability.

[Islamic Azad University, Rasht Branch - Thesis Database](#)  
[دانشگاه آزاد اسلامی، واحد رشت - سامانه بانک اطلاعات پایان نامه ها](#)