# Abstract Template

**Abstract Title:** TURKISH ELECTRICITY INSTALLED ANALYSIS OF POWER AND EVALUATE INVESTMENTS ACCORDING TO LONG TERM ENERGY CONSUMPTION FORECASTS

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**Abstract (not more than 300 words)**

Energy consumption is one of the most important indicators of the social and economic development of countries. As population and development levels of countries increase, new energy requirements are needed in many areas from basic needs like food to industrial needs brought by technology. Energy demand is increasing, depending on the growth and development of the consumption sectors. Energy production and consumption have become an important factor in the power of the world's economies. Energy demands of countries are an indicator reflecting their development status. Especially, population growth, economic development and technological progress are the forefront factors in energy demand. The growth rate of the population, industrial production and technological progress, the increase in the level of welfare and the development of new needs are indicative of the fact that the energy demand is rising at a great pace and will continue to rise.

The energy demand of individual countries increases constantly despite the economic bottleneck prevailing in the recent years. Energy is the major element of production and social welfare for individual countries. Turkey is a developing country with increasing demand for energy. In the study, the net electric energy consumption of Turkey up to the year 2023 is forecasted by using the Artificial Neural Networks approach. The demand for electric energy between 2017 and 2023. In addition, the power distributions of the regions are examined according to the types of energy sources. If the regional energy needs are determined correctly, the energy problem can be solved more economically by diversifying the energy resources. If regional energy demand is not considered to determine future energy investments, energy efficiency can not be achieved due to transport and damage costs. That is why using the limited resources in the most efficient way is the most important step in energy efficiency.

Keywords— Electricity consumption forecast, Energy investment efficiency, Energy policy, Regionally production and consumption

**Professional Biography (100-150 words)**

Nuri Sisman has completed his PhD from Osmangazi University. He has published papers in reputed journals and he has patents. He is a Mechanical Engineer with 15 years professional

experience in project and team management. He has master of Business Administration with 5 years experience for managing investment and cost analysis for projects. He has coordinate process development projects and R&D projects. Analyze technical and financial feasibility of projects, budget expenditures and present business cases to corporate executives. Arranging the budget documentation and controled the appropriateness of the budget. Six Sigma Black Belt certified; advanced analytical , statistical and computational skills. Analyze technical and financial feasibility of projects, budget expenditures.



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