

# Spatial Load Forecast and Estimation of the Peak Electricity Demand Location for Tafila Region

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*Abstract*— The aim of this paper is to provide a forecast of the peak demand for the next 15 years for electrical distribution companies in Tafila region of Jordan. The proposed methodology provides both the peak demand and its location for the next 15 years. This paper describes the Spatial Load Forecasting model used, the information provided by electrical distribution company in Jordan, the workflow followed, the parameters used and the assumptions made to run the model.

*Keywords*— Load Forecast, trending method, Peak Demand.

shown in Fig. 1: (a) Tafila North, (b) Tafila City, and (c) Tafila South.

