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LOAD AND ENERGY FORECAST ON A PROXIMATE, MEDIUM AND LONG HORIZON IN PUBLIC ELECTRICITY REPARTITION AND DISTRIBUTION SYSTEMS

BY

BOGDAN NEAGU and GH. GEORGESCU

Abstract. For studies and analysis of development, refurbishment and reconstruc-tion of electricity repartition and distribution systems, the computing loads and their evolution in time is fundamental problem regarding the decisions which have to be adopted. Based on records effectuated with Alpha ®Power+, between 2003…2009, in this paper is analysed time evolution of the load and energy consumed by home consumers at the transformer substation level, on a proximate, medium and long horizon, using a direct method of forecast trough extrapolation.

Key words: repartition and distribution systems; data acquisition; direct methods of forecast.