

عنوان مقاله:

MIDDLE-TERM GENERATION PLANNING CASE STUDY IN A HYDRO-THERMAL POWER SYSTEM

محل انتشار:

پنجمین کنفرانس بین المللی برق (سال: 1369)

تعداد صفحات اصل مقاله: 1

نویسنده:

Martinoli - Energoprojekt, Holding Corporation Belgrade , Yugoslavia

خلاصه مقاله:

Middle-term generation planning of a hydro-thermal power system is an utterly complex problem , the solving of which implies taking into account specifics of the given power system. This paper presents the essential features of a probabilistic middle term generation planning model , developed to satisfy the specified requirements. Beside the standard topics, contained in similar models (i.e. calculation of the expected values of unit loadings, production costs , fuel requirements, system reliability) , the specifics encountered in this case study, like - The need to simulate stochastic aspect of hydro generation. - Planning of the operation of a pumped hydro unit with seasonal storage. - Determination of the necessary expansion of the analyzed period, etc., are described .Based upon the discussed model , a computer package has been developed , the main characteristics of which are also presented

کلمات کلیدی:

Middle-term planning , simulation, water resources steam plants, pump-storage plants, reliability

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/34842>

