

快报

辽阳地区6~8月耗电量与气象条件关系及预报

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摘要 根据2002~2004年辽阳地区逐日耗电量和气象资料,分析了6~8月耗电量与气象条件的关系。结果表明:耗电量对气温的变化最敏感,与日照、降水、相对湿度等气象要素也有一定的相关性。在此基础上建立多元回归预报模型,对每月的逐日平均、最大、最小耗电量进行预报,对建设节能型社会、提高用电效率具有应用价值。

关键词 [耗电量](#) [气象要素](#) [预报方法](#)

分类号

Relationship between electric power consumption and meteorological conditions and its forecast from June to August in Liaoyang

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Abstract According to daily electricity depletion and meteorological data from June to August, the relationship between electric power consumption and meteorological conditions was analyzed. The results showed that the electricity depletion was very sensitive to the temperature, and then to the sunshine, precipitation and the relative humidity. Based on the analysis of impact factors, the relationship between electric power consumption and meteorological conditions was established, which can be used to forecast daily average, maximum and minimum electricity depletion every month. The research is helpful to construct economical society and to improve electric efficiency.

Key words [Electricity depletion](#) [Meteorological elements](#) [Forecast method](#)

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