

## عنوان مقاله:

A simple method for calculation of electrical load and energy

## محل انتشار:

کنفرانس بین المللی مهندسی، هنر و محیط زیست (سال: 1393)

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## خلاصه مقاله:

Electrical energy supplies an increasing share of the world's total energy demand, so electricity market is a challenging and ongoing process. Electricity consumption during a day can be divided into base load, intermediate load, and peak load consumption, and the cost to provide electricity changes in these bands. This paper presents a simple method for calculation of base load, intermediate load and peak load consumption of electrical energy. Based on the presented method, calculations have been done for a governmental building in Tehran as a case study. On the other hand the same amounts have been extracted from the building electrical bills. The findings of the presented method have been compared with the extracted data from the building electrical bills. The results indicate that the presented method calculates base load, intermediate load and peak load satisfactorily. A possible application of this method is building energy auditing. It seems that interpreting the results of building energy auditing, can suggests .strategies for increasing energy efficiency and also increasing the standards of living

## کلمات کلیدی:

Electrical energy; Base load; Intermediate load; Peak load

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/372505>

