

عنوان مقاله:

Investigating, and optimizing of energy consumption, in average size buildings with using EQUEST software. Case study: Administrative building of Birjand city

محل انتشار:

ششمین کنفرانس ملی پژوهش‌های کاربردی در مهندسی عمران، معماری و مدیریت شهری و پنجمین نمایشگاه تخصصی انبوه سازان مسکن و ساختمان استان تهران (سال: 1398)

تعداد صفحات اصل مقاله: 25

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خلاصه مقاله:

The Green Movement, which its origin is from UK, creates a new perspective about sustainable development, which not only, effects on the maintenance of world s vital energy but also effects on the psychological and economic factors, and employer or stakeholder perspectives. Studies show, one percent yields, of staff's work hours, in a green Administrative building is equal with one year of its energy consumption. The green Administrative employees waste less time for adjusting the temperature of their work environment and have less stress which increases their productivity. For this reason, in this study, by examining the Administrative building of HELAL AHMAR in Birjand, the energy consumption investigated and, then, after determining the amount of energy consumption, solutions for optimization and supply of clean energy is provided. In this research, library and field studies, and EQuest s analytical software was used for obtaining the main goals of research

کلمات کلیدی:

Green architecture, Optimization, Sustainability, EQuest, Energy

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