

عنوان مقاله:

Economical desirability of Energy Audit in Building: In terms of the price of energy resources

محل انتشار:

دومین کنفرانس زیرساخت های انرژی، مهندسی برق و نانو فناوری (سال: 1397)

تعداد صفحات اصل مقاله: 9

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خلاصه مقاله:

Iran ranked 2nd in fossil based energy reservoirs, is one of the wealthiest countries in energy resources, but Iran is its greatest importer of Gas & Oil; because of highly increasing demand of energy, energy experts predicted that in 4th decade of 21st century its supply can only provide its own demand of energy, this high domestic demand of energy in Iran caused an energy intensity Twice the global average and Consumption index of five times the global index, these shocking Data, well defines the importance of energy management and energy Audit in Iran. Households with total consumption rate of 40% of Iran's total energy consumption must be taken account as the 1st ranked consumers of energy in Iran while Industry Share in just 28%; this massive energy consumption shows that management and Audit in Buildings is in the top importance of matter. Since every plan even with highest environmental importance needs to be economically desirable to be accepted by majority of people and organizations, Energy audit for buildings must be economically analyzed and governmental supports is to be predicted to this Macro-plan can be performed to stop this crisis of Energy consumption in Iran. In this Paper energy audit for an average usual case is performed and its costs and revenue through a 10 year period calculated, results shows that Iran's current fossil portfolio prices is not desirable for investment in energy audit of building, in this matter a new price system for fossil fuels especially natural gas is advised.

کلمات کلیدی:

Economic desirability of energy audit, reasonable price of energy resources, sustainable development, energy audit in building

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