

Energy Service Companies as a Facilitator for Implementation of Energy-Environment Conventions

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Abstract : The establishment of rules and regulations for more effective energy-environment interactions are essential to achieving sustainable development. Sustainable development requires mechanisms that can promote compliance in energy-environment conventions. There are many binding agreements and non-binding instruments at regional and international levels on energy and the environment. These conventions try to decrease conflicts of interest between energy, environment and economic by legal principles and practical mechanisms. The major core of conventions is their implementations because the poor implementation and enforcement power affect their success. In this regard, the main goal of this study is proposing the effective implementation mechanisms. Energy service companies' (ESCOs) activities can improve energy efficiency and decrease the environmental degradations. Therefore, it can be proposed and assessed the merit mechanism of ESCO performance as a facilitator to implement energy-environment conventions. An assessment of ESCO performance, including its potentials, problems, and limitations, as a facilitator for effective implementation of the energy-environment convention, is included. This study is oriented towards effective development and application of laws and the function of ESCOs as appropriate economic instruments and facilitator for implementation of energy-environment conventions. The resulting system of close cooperation between the energy-environment conventions and ESCOs is geared toward advancing environmental protection and economic factors by the transfer of environmentally-sound technologies that meet sustainable development objectives.

Keywords : energy-environment conventions, energy service company, facilitator mechanism, sustainable development

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