

CO₂ Emission Reductions by Grid-Connected Electricity Generation from Renewable Sources

Project Idea and Methodological Approach

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İSTAÇ İstanbul Çevre Yönetimi San.ve Tic. A.Ş. has been investing into a solid waste power plant in Işıklar Village, Eyüpsultan District, İstanbul in Turkey to generate electricity and feed it into the Turkish grid. The use of solid waste power plant for electricity generation saves greenhouse gas (GHG) emissions compared to the conventional generation mix in Turkey. The Gold Standard organization sets a framework – following the schemes defined by the Kyoto-Protocol for the international trading of emission reductions – for the generation and trading of certificates attesting emission reductions achieved by a project. The Gold Standard VER approach is applicable in countries that are not subject to a GHG emission target defined in the Kyoto-Protocol.

The Project

The project is expected to reduce 1,381,601 tonnes of carbon dioxide (CO₂) with a power generation of 648,000 MWh annually.

Environmental, socio-economic and technological benefits of the project can be described as follows:

- Reduction in fossil fuel use (imported or local) by using renewable energy resources,
- Reduction in greenhouse gas emissions from the landfill area by using biogas for electricity production,
- Reduction in energy production costs and imported energy amounts,

Next Steps

The above addressed topics are described comprehensively in the technical project documents. The inputs from the Stakeholder Feedback Round will enter the documents in the context of demonstrating environmental and social impacts and the stakeholder consultation process. These documents will be validated by an independent third party.

Further information on the VER Gold Standard

For further information on the Gold Standard foundation and its schemes please consult <https://www.goldstandard.org/>.

For any questions and comments concerning the proposed project, please contact

SEEM Danışmanlık Ltd Şti

Proje Consultant

Tel : +90 216 266 5844

Fax : +90 216 266 5885

www.seemturkey.com