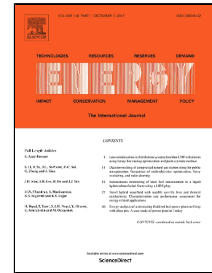


# Accepted Manuscript

The long-term scenario and greenhouse gas effects cost-benefit analysis of Iran's electricity sector

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- The electricity demand is predicted by Econometrics method in three scenarios
- The electricity supply framework is simulated by using LEAP model in three scenarios
- LCA scenario can be selected as mid-term scenario
- REN scenario has the greatest potential to reduce greenhouse gases
- The low cost of emissions prevents structural reform in the electricity sector

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