

Strategy for Reducing CO₂ Emissions in the Residential Sector in Japan: Case Study on Energy Saving Measures in the Residential Sector in Iwate Prefecture

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This research shows feasible strategies for reducing CO₂ emissions in the residential sector in Japan. In this study, we have set two types of energy-saving measures as to be the strategies for reducing CO₂ emissions in the residential sector in Iwate prefecture. The measures are: (1) demand control, and (2) installation of high efficiency appliances. In order to evaluate the feasibility of the strategies, we examine the cost-effectiveness of the measures. The result shows that both demand control and installation of high efficiency appliances lead to reduce CO₂ emission in the residential sector with cost-effectiveness.

Keywords:

Energy-saving, Demand control, Economic impacts, Household expenditure