

Analysis on Greenhouse Gas Emissions Potential by Deploying the Green Cars in Korean Road Transport Sector

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Abstract : South Korea, as the 7th largest greenhouse gas emitting country in 2011, announced that the national reduction target of greenhouse gas emissions was 30% based on BAU (Business As Usual) by 2020. And the reduction rate of the transport sector is 34.3% which is the highest figure among all sectors. This paper attempts to analyze the environmental effect on deploying the green cars in Korean road transport sector. In order to calculate the greenhouse gas emissions, the LEAP model is applied in this study.

Keywords : green car, greenhouse gas, LEAP model, road transport sector

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