

Electrification of Passenger Cars as a Way of National Transport System Decarbonization

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Abstract: The expediency of decarbonization of the national transport system by electrification of passenger cars has been studied in terms of greenhouse gas emissions over the full life cycle. An assessment of the contribution of the transport sector to the total level of greenhouse gas emissions is presented. A quantitative analysis is carried out and a comparison of the carbon footprint of an electric car and a passenger car with a traditional internal combustion engine is shown.