

Trends in Considering Integrated Countermeasures to Automobile Exhaust Gas in the Future

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The Automobile Exhaust Gas Comprehensive Measures Subcommittee of the Atmospheric Environment Committee of the Central Environmental Council (below, "CEC") is revising and considering the Automobile NOx/PM Law and basic policy to reduce them. Its interim report released in January 2011 presents appropriate revisions of goals and policies to support the use of priority measure districts and support the further use of low-polluting automobiles to ensure environmental standards in all countermeasure regions by 2020. The CEC will continue to study the overall systems. But it is predicted that when changes of the automobile total NOx emissions are organized according to the CEC report and the results of surveys by the Ministry of the Environment, the level will be sharply reduced to about 30% of the 2010 level by 2020, and to about 20% by 2030. These reductions are presumed to be a result of the strengthening of exhaust gas regulations and the spreading use of automobiles in compliance with stricter exhaust gas regulations.

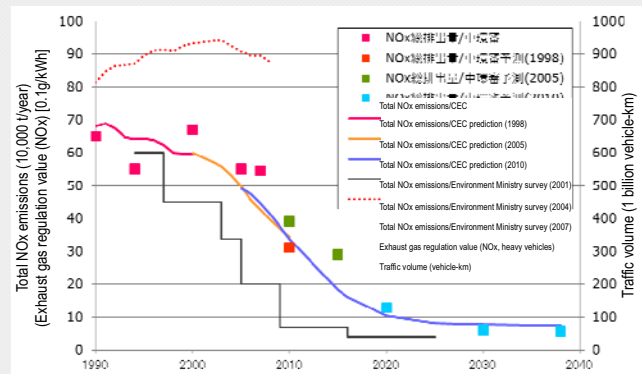


Figure Predicted Future Change of Total NOx Emissions etc. from Automobiles

Prepared using data from Future Effective Automobile Exhaust Gas Reduction Measures, second, third, eighth, ninth, and tenth reports by the Automobile Exhaust Gas Experts Subcommittee, Atmospheric Environment Committee, Central Environmental Council, the survey reports, Survey of Automobile Exhaust Gas Basic Units and Total Emissions (2001) and Automobile Exhaust Gas Basic Unit and Total Emission Calculation and Study Survey (2004, 2007) of the Ministry of the Environment, and Annual Statistical Report on Automobile Transportation of the Ministry of Land, Infrastructure, Transport and Tourism.

Source: CEC: Future Comprehensive Automobile Exhaust Gas Measures (Interim Report), CEC web site, January 2011