

Emissions From Mobile Sources, and Reduction Measures in Armenia

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Excess of maximum permissible concentrations (MPC) in Yerevan

- Dust - 2,3 MPC
- Sulfur dioxide - 1,8 MPC
- Azot dioxide - 2,7 MPC
- Ground ozone - 1,9 MPC

Part of mobile emissions in overall emissions Year 2006

- In Republic - 74%
- In Yerevan - 96 %

Measures to reduce mobile emissions -1

- Government of RA has prohibited by its decision N913, (29.09.2001) production, and import of leaded petrol starting from 29.09.2001.
- “Concept on Reduction of Hazardous Emissions from Motor Vehicles” - approved by the Government of RA by the Decision N40, on the 14th of October 2004.

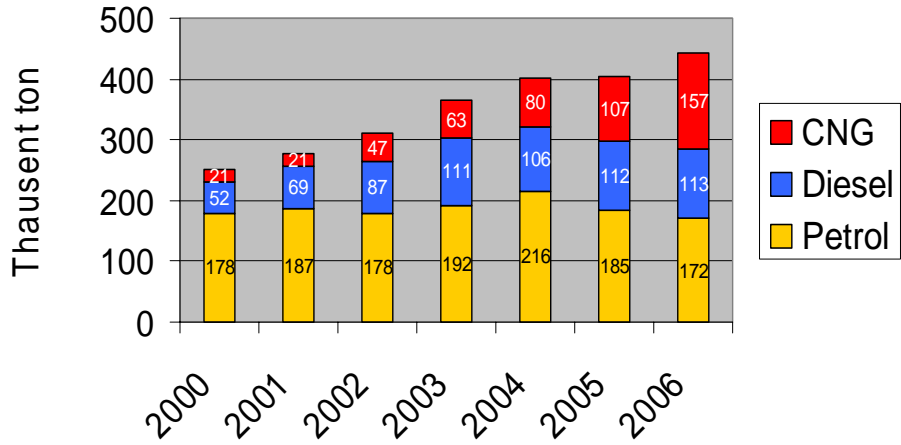
Measures to reduce mobile emissions -2

- “Action plan Aimed at Reduction of Emissions from Motor Vehicles” - approved by the Government of RA by the Decision N1033 on the 14th of July 2005.
- Government Decision N220-N (March 3, 2005) on “Amendment of the Decision N902” (December 31, 2000) prohibited the import of the cars without hazardous emissions neutralizers into Armenia starting from the 1st of January 2007.

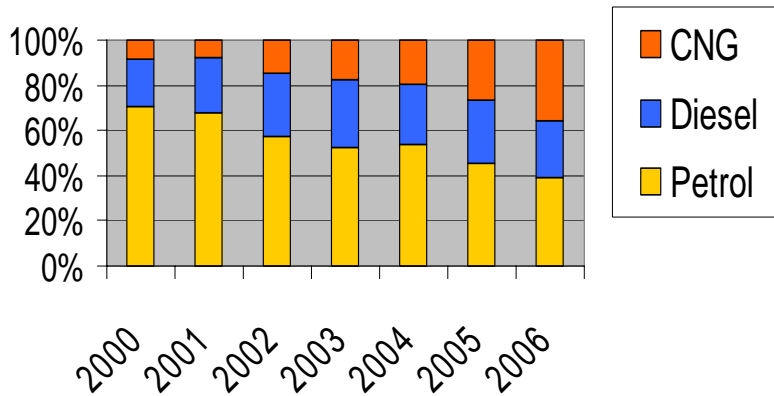
Measures to reduce mobile emissions -3

- law of RA on “Rates of Environmental Pays” – from December 2006, on differentiation of rates depending of type and weight of vehicle, used fuel type, existents of neutralizers, age of imported cars
- Government Decision N1592 (November 11, 2004) on “Approving Technical Regulation on the Internal-Combustion Engines Fuel and Recognizing the Decision N799 (December 31, 1999) of the Government of RA Invalid” on improvement of fuel standards

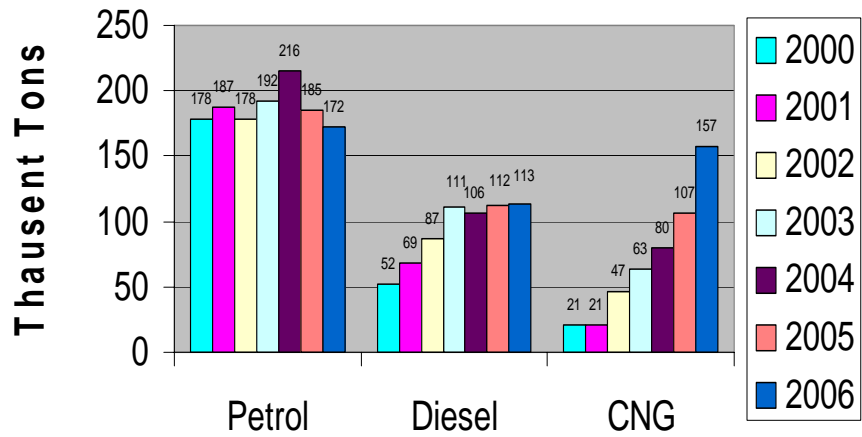
Fuel consumption



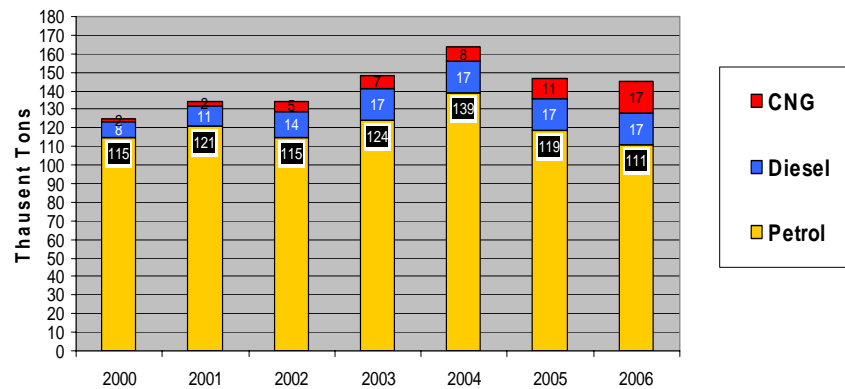
Changes in Structure of Fuel Type Consumption



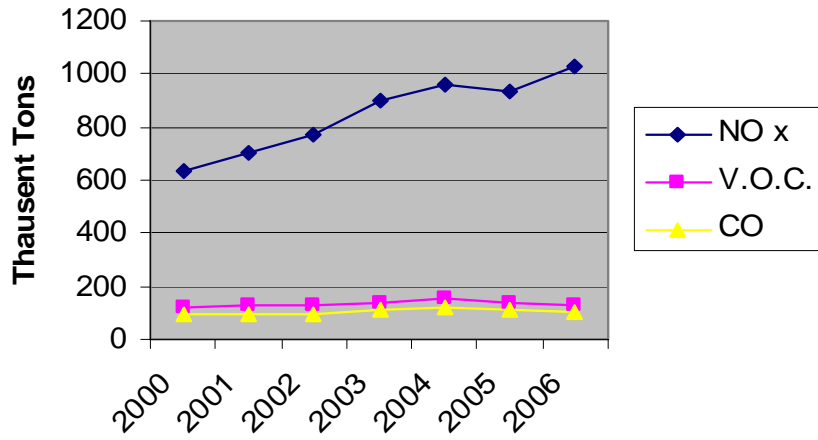
Fuel Consumption



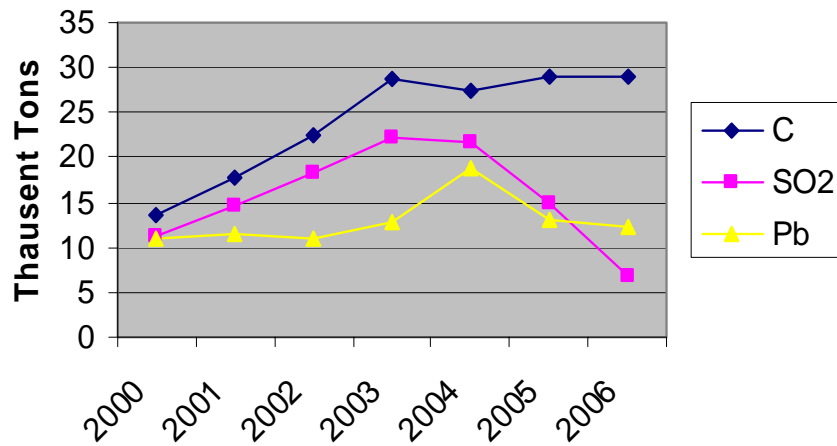
Mobile Emissions Differentiated by Fuel Types



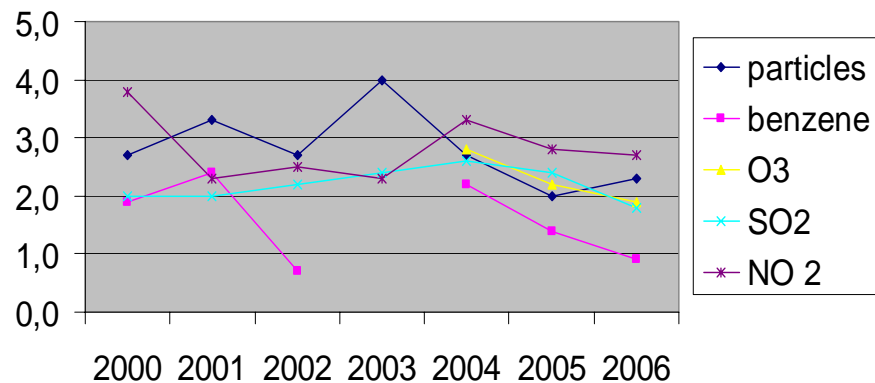
Mobile Emission in CO Equivalent



Mobile Emissions in CO Equivalent



Atmosphere Pollution in Part of Maximum Permissible Concentrations



Future Steps-1

- Improvement of fuel standards
- Establishment of system for neutralizers application, service and regeneration
- Improvement of fuel and emissions control

Future Steps -2

- Improvement of public transport system turning the underground and eclectic transport in to the driving-axle
- Study the potential of biofuel production and use

Thank You