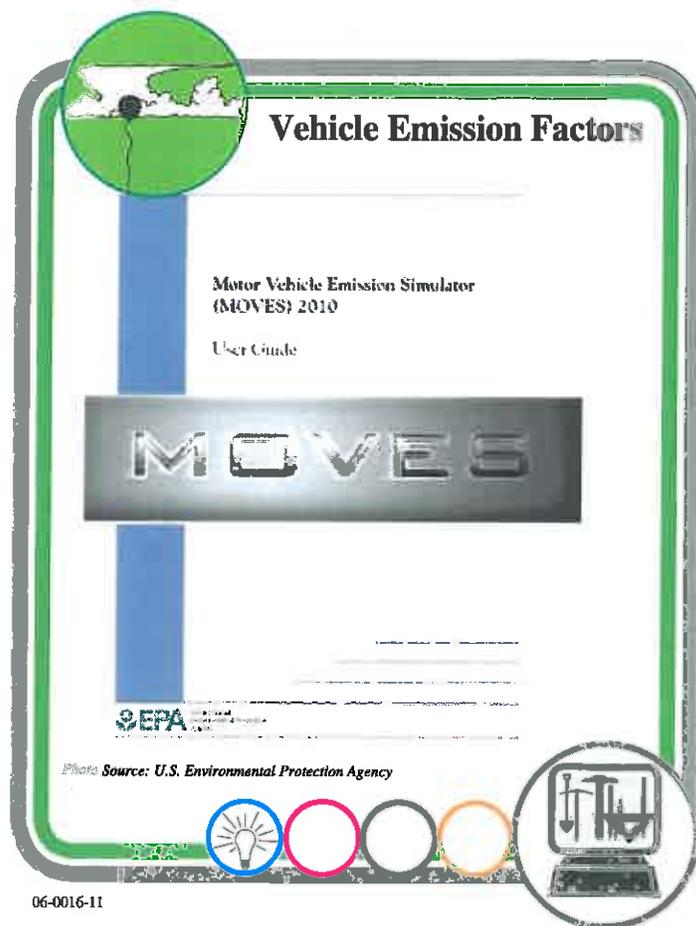
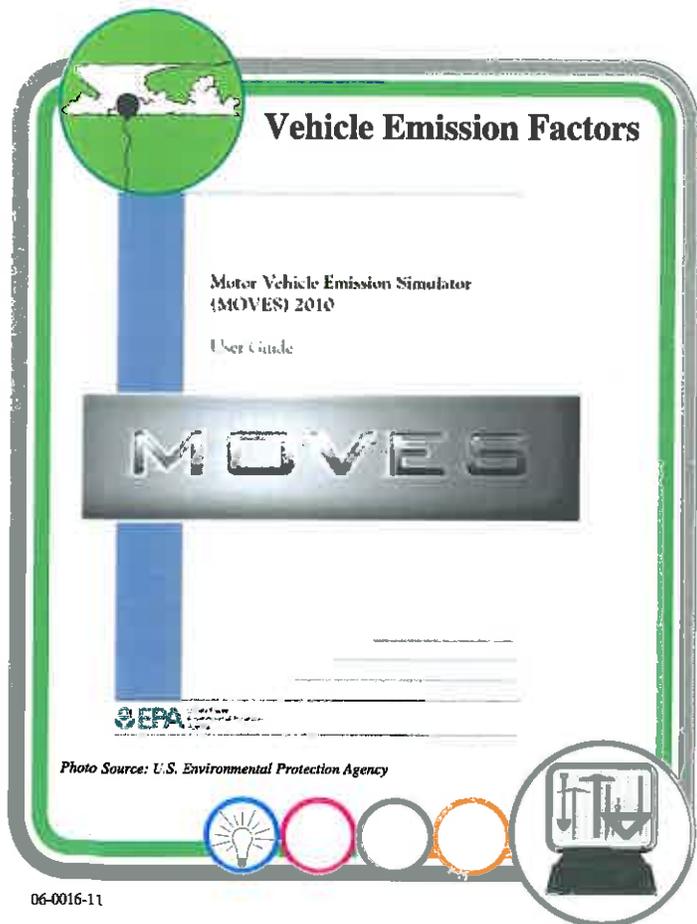


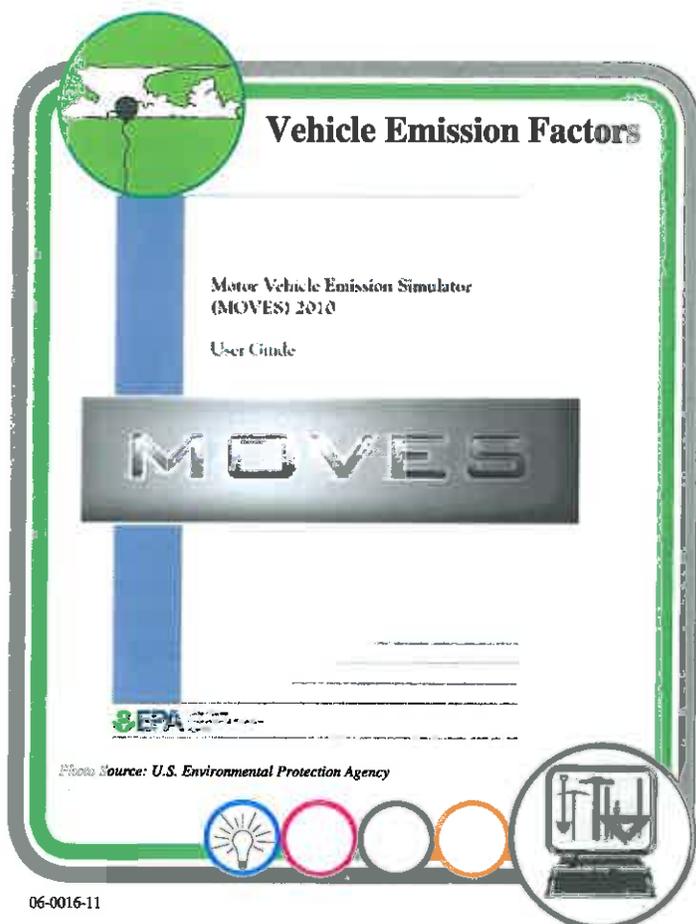
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Vehicle Emission Factors

Prediction of future air pollutant emissions is part of the air quality analysis that is performed by CDOT for proposed transportation projects. The rate at which a pollutant is emitted (e.g., grams of pollutant per mile travelled) depends on the vehicle type, speed, fuel type, outdoor temperature, and a number of other factors.

A computer model developed by the U.S. Environmental Protection Agency estimates the emission rates for current and future years. EPA's newest emission factor model is called MOVES 2010. The acronym stands for MOfor Vehicle Emission Simulator.

CDOT uses traffic models to predict the amount of traffic volume and typical speeds that are expected with and without proposed transportation improvements, then applies emission factors to predict vehicle emissions that can amount to many tons per day.



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