

Adjustment of Transportation Conformity Budgets for the San Joaquin Valley

The ARB's on-road emissions estimation model (EMFAC2007) contains default transportation activity estimates provided in 2004 by the San Joaquin Valley transportation agencies.

During the development of the transportation conformity budgets, the Valley transportation agencies provided updated transportation activity for use in calculating the conformity budgets. When those data were entered into EMFAC2007, the model allocated the activity to the various vehicle classes according to the default distribution of vehicle population. This default distribution however, contains estimates from the Department of Motor Vehicles that over estimates the population of heavy-heavy duty diesel trucks (HHDDTs) for calendar year 2005. Consequently, this resulted in too much transportation agency VMT being allocated to HDDTs resulting in an over estimation of NO_x and direct particulate matter for 2005.

ARB staff calculated a new vehicle distribution for 2005 that removed the overestimation of HDDTs and used that new distribution to re-estimate the transportation conformity budgets using the transportation activity provided by the Valley transportation agencies.