

# An Update of the Mobile Emissions Reduction Measures (TERMs)

TPB Technical Committee  
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# What are Transportation Emissions Reductions (TERMs)

Projects that have the potential to reduce mobile emissions in the region over and above forecasts in current travel demand and emissions models. They can yield emissions credits in Air Quality Conformity Determinations.

TERMs examples whose emissions credits can be measured using MOVES:

- ✓ Bus/Coach engine replacements or retrofits
- ✓ Park and Ride Lots
- ✓ Traffic Signal Optimization (at corridor level)
- ✓ Enhanced access to transit (all transit modes)
- ✓ Enhanced transit service
- ✓ Carpooling/vanpooling beyond the Commuter Connections Program
- ✓ Electric Vehicles fleets

TERMs examples whose emissions credits cannot be measured using MOVES:

- x Bus Shelters
- x Incident Response & Traffic Management
- x Bicycle Lanes & Racks Additions
- x Sidewalk & Bike Trail Additions

# Why Is the Update Necessary?

1. TERMS in the current tracking sheet need to be post year 2007, which is the validation year of the travel demand model.
  - TERMS implemented earlier than 2007 should be reflected in the current travel forecasting model, which is calibrated using the 2007/2008 Household Travel Survey.
2. There is greater need for TERMS mobile emissions reductions now because:
  - MOVES yields higher mobile emissions than MOBILE for the same inputs. However, certain MVEBs currently in effect or soon to be found adequate were set using MOBILE. This increases the probability that TERMS emissions reductions may be needed to meet conformity requirements.
  - Recently developed MVEBs for the PM2.5 Maintenance Plan – anticipated to be found adequate in the near future -- are set at inventory levels for years 2017 and 2025. This increases the probability that TERMS emissions reductions may be needed to meet conformity requirements.

# How The TERMS Update Will Be Accomplished

1. Form a technical Workgroup especially for this purpose
2. Identify representatives from the participating states and jurisdictions
3. Solicit TERMS from the participating stakeholders to populate a new tracking sheet
4. Calculate mobile emissions reductions from the TERMS for consideration in future Air Quality Conformity Determinations
5. Coordinate with MWAQC TAC

# The Proposed Process

1. Identify stakeholder representatives to the Workgroup (by December 31, 2012)
2. Schedule a kick-off meeting of the Workgroup (January 2013)
3. Solicit TERMS entries: brief description of the project, technical characteristics of the project for calculation of the emissions reductions, project implementation schedule and cost estimate (February 2013)
4. Calculate mobile emissions reductions (March 2013)
5. Report findings to the Workgroup (April 2013)
6. Coordinate with MWAQC TAC (May 2013)
7. Consider TERMS reductions in upcoming Air Quality Conformity Analyses (June 2013 onward)

# Contacts

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