

# Update on the Development of Transportation Emissions Reduction Measures (TERMs) For the Metropolitan Washington Region

TPB Technical Committee  
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# TERMs Projects Overview

Projects with a potential to reduce mobile emissions that are over and above forecasts in current travel demand and emissions models.

## Examples:

- ✓ TPB Commuter Connections Program (Post 2008)
- ✓ Carpooling/vanpooling initiatives beyond the Commuter Connections Program
- ✓ Regional Incident Management Program
- ✓ New or Expanded Bike Trails serving commuter functions
- ✓ Park & Ride Lot expansion or new construction
- ✓ Capital Bikeshare Expansions
- ✓ Augmented train capacity (longer trains) to reduce crowding and increase ridership
- ✓ Electric Vehicle fleets
- ✓ Diesel engine replacement programs for on road vehicles (not construction equipment)

# What Type of TERMS Projects?

Travel Demand Management (TDM) projects to be considered should be post year 2008, which is the calibration year of the travel demand model (Version 2.3)

- Pre-2008 TERMS projects are already reflected in the current travel demand model since it was calibrated using the 2007/2008 Household Travel Survey (HTS)
- Post-2008 TERMS projects that can yield emissions reductions above and beyond what is already captured by 2007/2008 HTS and which are attributable to regional travel demand management (TDM) programs such as Commuter Connections.

Previous travel demand models were based on the 1994 HTS, when employer-based transit subsidies and telecommuting were not as prevalent, which placed a stronger emphasis on capturing mobile emissions reductions through TERMS. Version 2.3 travel demand model captures more recent travel behavior and the effects of ongoing regional TDM programs such as Commuter Connections.

# The TERMS Update Process

- Inventory Eligible Projects already in the TIP Database of the 2013 CLRP
- Solicit Additional Projects which were not reflected in the current travel demand and emissions models
- Tabulate Projects in Categories for emissions reductions calculations
- Calculate Mobile Emissions Reductions by category using MOVES2010a
- Develop a new TERMS project list as part of the Air Quality Conformity Determination documentation

# TERMs Project Categories

## 1. Commuter Connections:

- MD & VA Telework Program
- Guaranteed Ride Home
- Employer Outreach
- Mass Marketing

## 2. Metropolitan Area Transportation Operations Coordination (MATOC)

## 3. Bike Trails

## 4. Sidewalks

## 5. Carpooling/Vanpooling P&R Lots

## 6. Diesel Engines Retrofits/Rebuilds/Replacements

Questions?