

# Status report on the Version 2.3 Travel Model

Presentation to the Travel Forecasting Subcommittee  
July 20, 2012

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National Capital Region Transportation Planning Board (TPB)  
Metropolitan Washington Council of Governments (COG)

# Air Quality Conformity Update

- Travel modeling work supporting the latest air quality conformity assessment has been completed and was approved on July 18
- Policy implications
  - TPB has approved the AQC process and findings
  - TPB has approved the CLRP and the TIP (2012 CLRP and the FY 2013-18 TIP)
  - Latest CLRP and TIP conform to the air quality standards set by the CAAA
- Technical implications
  - TPB has approved of inputs and assumptions to the travel model
    - Network assumptions: 2012 CLRP, FY 2013-18 TIP
    - Land use: The Round 8.1 land use approved by COG Board
    - Travel Model: Version 2.3 Travel Model

# Model Updates

- **Version 2.3 Travel Model, Build 39 (i.e., Ver. 2.3.39)**
  - **Very similar to Ver. 2.3.38 model used in the previous AQC work, except for the following change:**
    - **Three scripts now write out trip tables with higher degree of precision**
      - Time-of-day
      - Mode choice constraint
      - Prepare trip tables
- **Note that external/through highway trip inputs have been reduced in the latest model runs**
  - **Reflection of the fact that ground counts have decreased**
  - **Consequently, the latest forecasted VMT results for 2017 and beyond will be somewhat lower than those of previous years**

# Transmittal Package

- TPB staff is now assembling a model transmittal package, containing:
  - Model application files
  - Inputs for the AQC analysis years: 2007, 2017, 2020, 2030, and 2040
  - Staff is also adding inputs for one addition year: 2013
  - Memorandum listing the files and control totals
- Package will be available by the next TFS meeting in September
- Requests for the model and inputs should be made to Ron Kirby, as indicated on the “Model Documentation and Data Requests” webpage  
([www.mwcog.org/transportation/activities/models/documentation.asp](http://www.mwcog.org/transportation/activities/models/documentation.asp))
- TPB staff requests that you provide us with feedback on how you are using the model for you particular studies and how the model is performing

## Recommendations and Future Work

- We have had a few isolated issues with stability of the travel model (i.e., the model stopping)
  - We strongly recommend that you execute the model with a relatively new machine with good specifications
  - Issues with antivirus software
- Next conformity cycle will start in Sept. and use Round 8.2 Land Use
  - Cycle goes from Sept. to July