TPB TRAVEL FORECASTING SUBCOMMITTEE

Friday, May 19, 2023
9:30 A.M. to 11:30 A.M. Eastern (6:30 A.M. to 8:30 A.M. Pacific)
Meeting will be virtual/online
(Call-in information included in the calendar invite)

AGENDA

9:30 A.M.   **1.   OPENING: MEETING ROLES, MEETING RULES, AND ROLL CALL OF PARTICIPANTS**
Mark Moran, TPB Program Director, Travel Forecasting and Emissions Analysis

9:40 A.M.   **2.   APPROVAL OF MEETING HIGHLIGHTS FROM THE MARCH 24, 2023 MEETING**
Dr. Yi Zhao, Traffic Engineering Branch Manager, District Department of Transportation (DDOT); TFS Chair

9:45 A.M.   **3.   LEVERAGING DIFFERENT DATA SOURCES FOR AUTOMATED CALIBRATION OF TRAVEL DEMAND MODELS IN AGENT SOFTWARE**
Gaurav Vyas, Product Manager, Bentley Systems, Inc.

Mobility is undergoing generational change with new technology (AV, EV, MaaS) and changing travel patterns (pandemic, work-from-home, telecommuting), and re-calibrating travel models can be laborious and time-consuming. Learn how to take advantage of passively collected big data sources like cellphone, GPS and transit smart card data with conventional data sources like household travel surveys, traffic counts in Agent's automated calibration procedure which helps agencies to provide meaningful, efficient and frequently updated planning decision support.

10:25 A.M.   **4.   PLANNED UPDATES TO THE COG/TPB PRODUCTION-USE, AGGREGATE, TRIP-BASED TRAVEL DEMAND FORECASTING MODEL, KNOWN AS THE GEN2/VER. 2.4.6 TRAVEL MODEL**
Ray Ngo, TPB Transportation Engineer

Staff will provide the subcommittee with an update on the latest of TPB's production-use travel demand forecasting models. Staff will discuss the latest update, known as the Gen2/Ver. 2.4.6 Model, and will discuss the plan for its upcoming release. This model version builds upon the earlier Gen2/Ver. 2.4 Model and is the latest trip-based model that will soon be released by TPB staff.

10:40 A.M.   **5.   STATUS REPORT ON THE COG/TPB DEVELOPMENTAL, DISAGGREGATE, ACTIVITY-BASED TRAVEL DEMAND FORECASTING MODEL, KNOWN AS THE GEN3 TRAVEL MODEL**
Joel Freedman, Senior Director, RSG

The TPB's next-generation travel demand forecasting model, known as the Gen3 Travel Model, is planned to be an activity-based model (ABM), implemented in

Reasonable accommodations are provided upon request, including alternative formats of meeting materials.
Visit www.mwcog.org/accommodations or call (202) 962-3300 or (202) 962-3213 (TDD).

METROPOLITAN WASHINGTON COUNCIL OF GOVERNMENTS
777 NORTH CAPITOL STREET NE, SUITE 300, WASHINGTON, DC 20002   MWCOG.ORG/TPB   (202) 962-3200

the ActivitySim software platform. Mr. Freedman will provide an update on model development activities including the latest calibration and validation results, the sensitivity tests that will be run in Phase 2 of model development, and the recently held internal training session on the Gen3 Model.

11:10 A.M. **6.** **ROUNDTABLE DISCUSSION OF CURRENT MODELING EFFORTS AROUND THE REGION**
Dr. Yi Zhao, TFS Chair

TFS members will have an opportunity to inform the subcommittee about active or planned project planning studies that are underway in their respective jurisdictions.

11:20 A.M. **7.** **OTHER BUSINESS**
   a. Next planned TFS meeting: Friday, July 21, 2023, 9:30 AM
   b. Planned presentations at upcoming TFS meetings (Mark Moran)
   c. Other items?

11:30 A.M. **8.** **ADJOURN**