



TPB TRAVEL FORECASTING SUBCOMMITTEE

Friday, September 23, 2022

9:30 A.M. to 12:00 noon Eastern (6:30 A.M. to 9:00 A.M. Pacific)

This meeting will be 100% virtual/teleconference

(See WebEx call-in information at the bottom of this agenda)

AGENDA

- 9:30 A.M. **1. INTRODUCTIONS AND APPROVAL OF MEETING HIGHLIGHTS FROM THE PREVIOUS MEETING**
Lisa Shemer, Maryland Department of Transportation, State Highway Administration (MDOT SHA), Office of Planning & Preliminary Engineering; TFS Chair
- 9:35 A.M. **2. SCENARIO ANALYSIS FOR TRANSACTION – LONG-RANGE TRANSPORTATION PLAN UPDATE IN NORTHERN VIRGINIA**
Harun Rashid, Northern Virginia Transportation Authority (NVTA) and Feng Liu, Cambridge Systematics, Inc.
- The Northern Virginia Transportation Authority (NVTA) is a regional body that is focused on delivering transportation solutions and value for Northern Virginia by bringing Northern Virginia jurisdictions and agencies together to plan and program regional multimodal transportation projects focused on relieving congestion. As a part of updating NVTA’s long-range transportation plan, TransAction, staff has conducted three scenario analyses to present uncertainties inherent in the travel forecasting process. This presentation will share results from these analyses.
- 10:15 A.M. **3. TRANSPORTATION SURVEYS FOCUSED ON TRAVEL BEHAVIOR IMPACTS OF THE PANDEMIC**
Ken Joh, Principal Statistical Survey Analyst, COG/TPB
- Staff conducted a literature review focusing on travel surveys measuring the impacts of the COVID-19 pandemic on travel behavior. The purpose was to learn about the survey methods and overall findings from travel surveys representing best practices. Dr. Joh will present key findings on survey design and methods from these surveys including sampling approaches and data items, in addition to key trends focusing on teleworking and work from home, travel mode, and grocery delivery and pickup.
- 10:55 A.M. **4. COG/TPB GEN3 TRAVEL MODEL: STATUS REPORT**
Joel Freedman, Senior Director, RSG
- The TPB’s next-generation travel demand forecasting model, known as the Gen3 Travel Model, will be an activity-based model (ABM), implemented in the ActivitySim software platform. The Gen3 Model is being developed in two phases. The goal of Phase 1 was to develop a prototype model that can be used by TPB

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staff for testing purposes. Phase 1 was completed in February 2022. Phase 2, whose goal is to develop a production-use model, began in March and should be completed in the summer of 2023. Today, Mr. Freedman will provide an update on the Gen3 Phase 2 Model progress, including model estimation, model implementation, and next steps.

11:30 A.M. 5. TESTING THE TPB'S TRAVEL MODELS AND MOVES MODELS ON AWS CLOUD SERVERS

Ray Ngo, TPB Transportation Engineer

COG has been migrating many of its computer servers from the COG building (“on premises”) to the cloud, but two types of computers have remained on premises: COG’s travel model servers and COG workstations used to run the EPA MOVES mobile emissions model. Recently, however, COG/TPB staff have been working with COG’s IT staff to conduct a technical and cost feasibility analysis of moving these remaining computers to the cloud, using Amazon Web Service (AWS). Mr. Ngo will share preliminary findings from this on-going analysis.

11:40 A.M. 6. ROUNDTABLE DISCUSSION OF CURRENT MODELING EFFORTS AROUND THE REGION

Lisa Shemer, 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.

11:50 A.M. 7. OTHER BUSINESS

- a. Snapshots of effects of COVID-19 on travel, available on COG website (Martha Kile, TPB staff)
- b. Planned presentations at upcoming TFS meetings (Mark Moran, TPB staff)
- c. Next meeting scheduled for Friday, November 18, 2022, 9:30 A.M. to 12 noon

12:00 P.M. 8. ADJOURN

Call-In and Web Conferencing Information

[Join WebEx Meeting](#)

Friday, Sep. 23, 2022 9:30 A.M. | 2 hours 30 minutes | (UTC-04:00) Eastern Time (US & Canada)

Meeting number: 2435 688 6145

Password (if needed): tfs

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