National Capital Region
Transportation Planning Board

TPB TRAVEL FORECASTING SUBCOMMITTEE

Friday, November 18, 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. TESTING THE TPB'S TRAVEL MODELS AND MOVES MODELS ON AWS CLOUD SERVERS**
Ray Ngo, TPB Senior Transportation Engineer
Jinchul (JC) Park, TPB Principal 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 Services (AWS). Mr. Ngo and Mr. Park will share preliminary findings from this analysis. This item was deferred from the September TFS meeting due to lack of time.

9:55 A.M. **3. RECENT UPDATES TO THE BALTIMORE METROPOLITAN COUNCIL INSITE ACTIVITY-BASED TRAVEL MODEL**
Charles Baber, Transportation Planner, Baltimore Metropolitan Council (BMC)
Thomas Rossi, Principal, Cambridge Systematics, Inc.

BMC has conducted recent updates to its InSITE Activity-Based Travel Model (ABM), such as the 2019 InSITE calibration/validation, which made use of the Maryland and MWCOG household travel surveys, and the development of various dashboards using Tableau. Regarding the calibration/validation, Mr. Rossi will discuss InSITE runtime enhancements, including population sampling and parallel processing.

10:30 A.M. **4. 2017-2018 REGIONAL TRAVEL SURVEY 7-DAY PANEL EVALUATION**
Ken Joh, TPB Principal Statistical Survey Analyst

Staff conducted an evaluation to assess the effectiveness of the smartphone app-based survey methodology. The 7-Day Regional Travel Survey (RTS) Follow-On Smartphone Panel Survey (SPS) served as the primary source for this evaluation. Dr. Joh will present key findings from this project which included data

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editing and imputation, trip logic and consistency checks, and a review of user comments on the survey experience.

11:00 A.M.   5.   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 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, and describe an enhancement recently made to the ActivitySim software that improves the accuracy, speed, and simplicity of mandatory location choice models.

11:35 A.M.   6.   THANK OUTGOING CHAIR AND ANNOUNCEMENT OF NEW CHAIR FOR 2023
Mark Moran, TPB Program Director, Travel Forecasting and Emissions Analysis

The chair of the TFS rotates on a calendar-year basis between four entities: the District of Columbia, Maryland (state or local agency), Virginia (state or local agency), and a transit or regional agency. Based on the recent rotation order, the upcoming chair should be a representative from the District of Columbia. Mr. Moran will first thank the outgoing chair for her service to the subcommittee. Next, he will announce the new TFS chair for 2023.

11:45 A.M.   7.   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.   8.   OTHER BUSINESS
   a. Snapshots of effects of COVID-19 on travel, available on COG website (Martha Kile, TPB staff)
   b. Association of Metropolitan Planning Organizations (AMPO) Annual Conference was held Oct. 25-28, 2022. Presentations have recently been uploaded to the web (https://files.constantcontact.com/d3dffeed501/12185e30-f509-48a6-b4f8-bcab26dc5d75.pdf?rdr=true). Current link seems to omit the ActivitySim presentation.
   c. Planned meeting dates for 2023
        a. Friday, Jan. 27 (4th Fri.), 9:30 A.M. to 12 noon
        b. Friday, Mar. 24 (4th Fri.), 9:30 A.M. to 12 noon
        c. Friday, May 19 (3rd Fri.), 9:30 A.M. to 12 noon
        d. Friday, Jul. 21 (3rd Fri.), 9:30 A.M. to 12 noon
        e. Friday, Sep. 22 (4th Fri.), 9:30 A.M. to 12 noon

    f.   Friday, Nov. 17 (3rd Fri.), 9:30 A.M. to 12 noon
   d. Planned presentations at upcoming TFS meetings (Mark Moran, TPB staff)
   e. Next meeting scheduled for Friday, Jan. 27, 2023, 9:30 A.M. to 12 noon

12:00 P.M.   **9. ADJOURN**

Call-in and Web Conferencing Information

[Join WebEx Meeting](#)
Friday, Nov. 18, 2022, 9:30 A.M. | 2 hours 30 minutes | (UTC-04:00) Eastern Time (US & Canada)
Meeting number: 2438 562 0178
Password (if needed): tfs

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