REGIONAL TRAVEL SURVEY

Planning Our Future Together

2017-2018 REGIONAL TRAVEL SURVEY

Status Report #15

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Travel Forecasting Subcommittee
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National Capital Region
Transportation Planning Board

Presentation Outline

- Survey recap

- Final recruitment and completion rates

- Data processing tasks
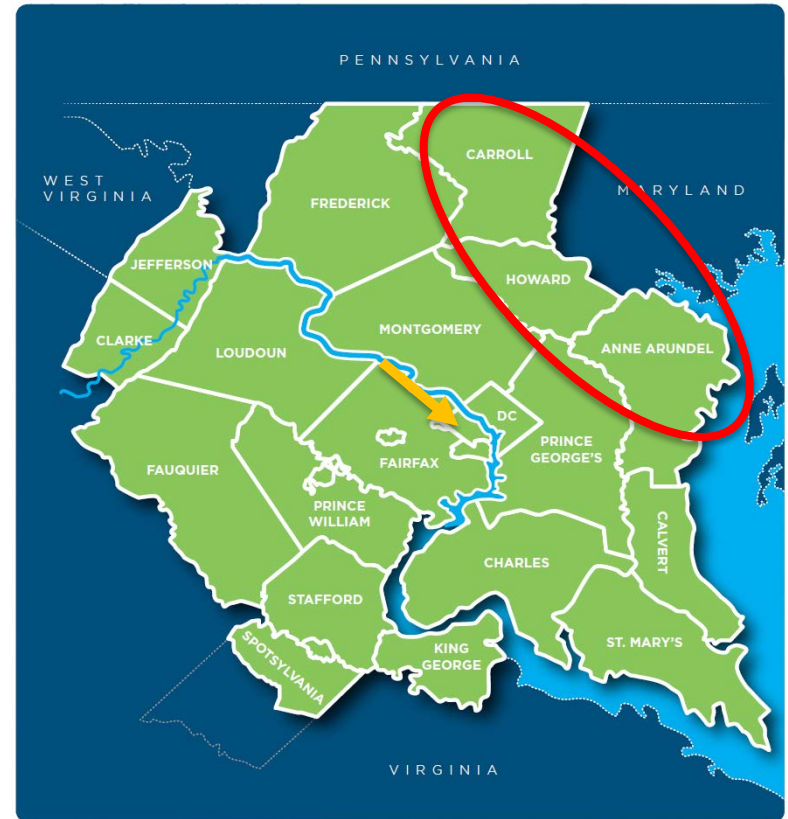
- Looking ahead: Survey schedule

Survey Recap (1)

- The Regional Travel Survey was completed in December 31, 2018 after nearly 15 months of data collection

- The RTS main survey obtained demographic and detailed travel data from nearly 16,000 households, exceeding the target of 15,000 completed households

- The overall response rate for the RTS main survey was 5%, matching the target response rate

- Overall, the data collection was successful in achieving the goal of collecting a geographically representative sample of households in the TPB modeled region

Survey Recap (2)

- The RTS covered 22 major jurisdictions and 111 geographic strata (PUMAs/Activity Centers)

- 11 TPB member jurisdictions (including Fauquier)

- Coordinated with Maryland Travel Survey for 3 jurisdictions (Anne Arundel, Howard, Carroll)

- Arlington County Activity Center add-on survey

- Hispanic/Latino outreach effort

TPB Modeled Area

Final Recruitment and Completion Rates

- There were 23,011 recruited households who completed the Part 1 survey

- There were 15,976 households who completed the travel diary (Part 2 survey), exceeding the survey goal of 15,000 completed household travel diaries.

- The conversion rate (% of recruited HHs who completed the survey) is 70%

- There were 122,261 completed trips and 45,030 vehicles recorded in the travel diary (Part 2 survey)

Completes by Survey Strata through 12/31/18

	Jurisdictional Strata	Overall Target	Completes thru 12-31-2018	Percent Completed
1	District of Columbia	2,012	2,096	104%
2	Arlington County	800	814	102%
3	City of Alexandria	600	629	105%
4	Montgomery County – In	1,200	1,199	100%
5	Montgomery County - Out	1,004	1,031	103%
6	Prince George's County – In	800	831	104%
7	Prince George's County – Out	1,204	1,265	105%
8	Fairfax County/Cities - In	1,004	1,028	102%
9	Fairfax County/Cities - Out	1,204	1,263	105%
10	Loudoun County – In	204	279	137%
11	Loudoun County – Out	600	631	105%
12	Prince William County/Cities - In	400	393	98%
13	Prince William County/Cities - Out	604	646	107%
14	Fauquier County	200	198	99%
15	Frederick County – In	200	199	100%
16	Frederick County – Out	404	435	108%
17	Charles County – In	100	104	104%
18	Charles County – Out	300	306	102%
	Non-TPB Jurisdictions	2,208	2,629	119%
	Total	15,048	15,976	106%

Survey has exceeded target goal of completes and all strata targets have been met

"In" = Activity Centers; "Out" = Outside of Activity Centers

Data Processing Tasks

- The RTS data need to be cleaned and edited

- After data cleaning and editing, the data will be weighted based on the probability of selection for recruited and completed households

- Data processing will include edits of household, person, and trip files

- Household, person, and trip files will be weighted by survey strata

- After the Maryland Travel Survey is completed, data for the three BMC counties (Anne Arundel, Howard, Carroll Counties) will be added to the RTS data and reweighted

Looking Ahead: Survey Schedule

- Post-survey processing (e.g., data cleaning, trip linking, and factoring weights) started in January 2019 and continue through 2019.

- Data cleaning, trip linking, factoring, and documentation of the post processing procedures will take about one year to complete.

- Models development team will then review, analyze and QC cleaned and factored survey data sets to identify any anomalies or inconsistencies that may require further explanation and/or modification.

- Public release dataset anticipated in late FY 2020.

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