

ATTACHMENT 7A

Scenario Narratives & Working Group Guidance

- Through the series of webinars and workshops since February, the working group completed the following activities:
 - Reviewed the basics of exploratory scenarios and scenario drivers
 - Completed a questionnaire on potential scenario drivers
 - Reviewed potential economic narratives for the scenarios
 - Suggested that the scenario narratives be organized by spatial themes
 - Refined draft scenario narratives and drivers in a workshop
 - Approved the draft scenario narratives that follow

Scenarios Organized around Spatial Themes

DRAFT

Greater Growth on the Water

What happens if jobs focus on the waterfront, housing choices are varied, and transportation technology adoption is moderate?

Greater Growth in Urban Centers

What happens if jobs and housing focus in urban areas, with greater multimodal availability and high adoption of connected vehicle technology?

Greater Suburban/ Greenfield Growth

What happens if jobs and housing are developed in dispersed activity centers, with a higher level of truck transportation and high adoption of autonomous vehicle technology?

Scenario Narratives

DRAFT

Greater Growth on the Water

Growth in water-oriented activity. Port of Virginia becomes even more competitive with freight more multimodal. More dispersed housing locations. Moderate assumptions for CAV adoption and network adaptation.

Greater Growth in Urban Centers

Significant economic diversification. Low space requirements per job. Large role for “digital port.” New professionals prefer to live/work in urban settings. High level of CV adoption and low auto ownership/high TNC mode.

Greater Suburban/Greenfield Growth

Growth is suburban/ exurban, but growth includes walkable mixed use centers. Port of Virginia becomes even more competitive. “Digital port” brings additional jobs. Housing is more suburban. High level of AV adoption and network adaptation.

WHAT THESE WILL HELP US TEST

Test greater cross-harbor travel in particular.

Test more urban and multimodal travel patterns.

Test more overall regional travel.

NOTE: Sea Level Rise assumed as 3 ft. in all Scenarios