

**Key Takeaways: VTrans Risk & Opportunity Register** 

Staunton-Augusta-Waynesboro MPO Policy Board

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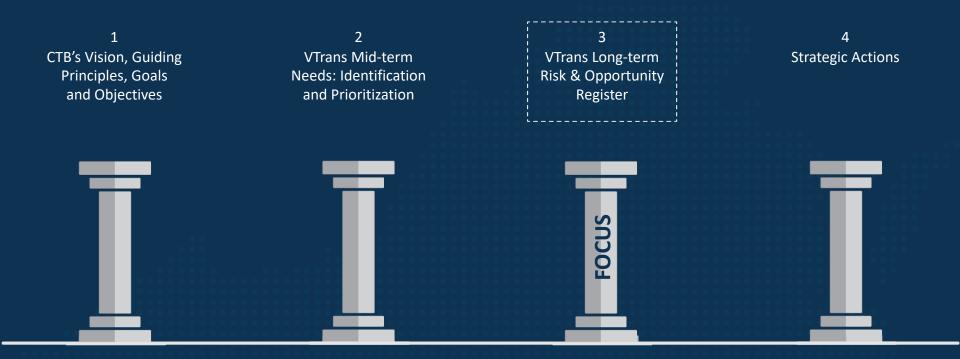




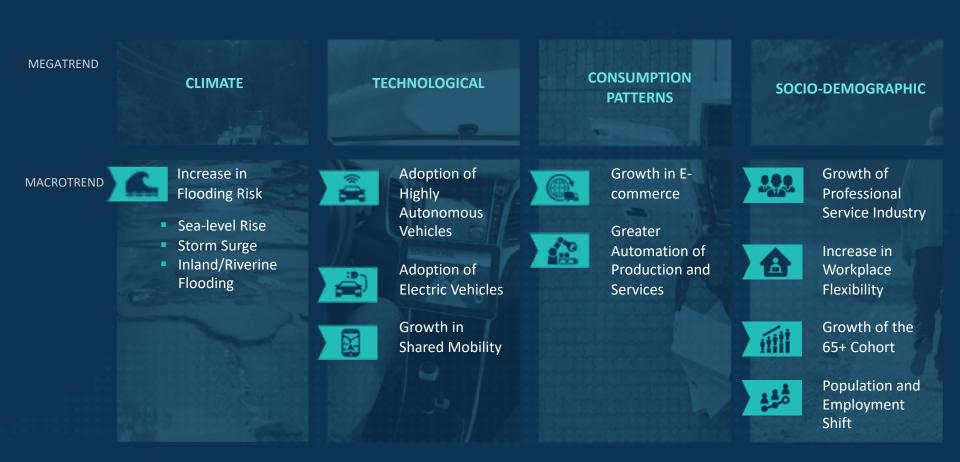


# **VTRANS FOCUS AREAS**

VTrans is Virginia's Transportation Plan.

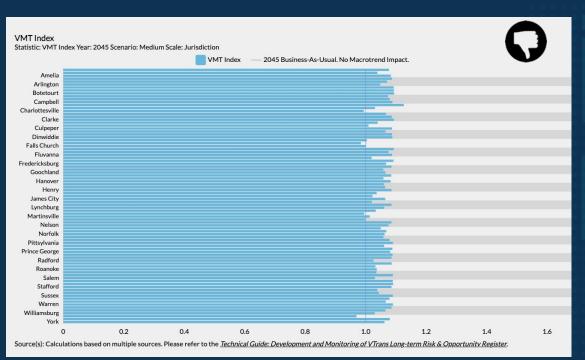


## LONG-TERM MEGA- & MACROTRENDS



### IMPACTS CTB GOAL A: CONGESTION + TRAVEL TIME RELIABILITY

VEHICLE MILES TRAVELED (VMT) INDEX: ESTIMATED CHANGE IN VMT DUE TO VTRANS MACROTRENDS COMPARED TO THE 2045 BUSINESS-AS-USUAL SCENARIO





















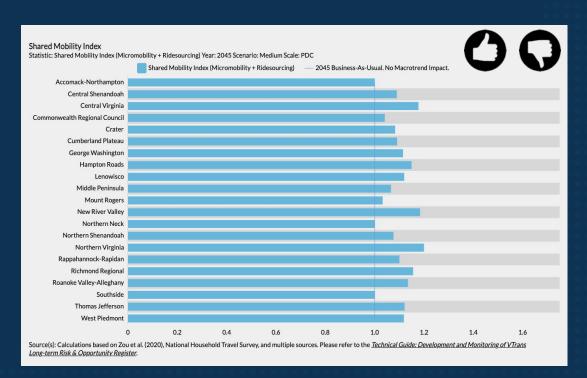






### IMPACTS CTB GOAL B: ACCESSIBILITY TO JOBS

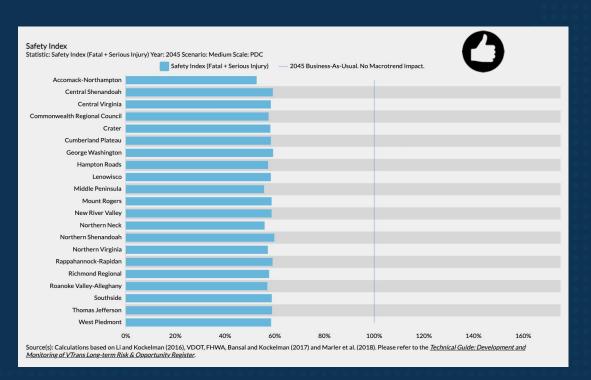
SHARED MOBILITY INDEX: ESTIMATED SWITCHABLE URBAN AUTO SOV VMT TO MICROMOBILITY + RIDESOURCING DUE TO VTRANS MACROTRENDS COMPARED TO THE 2045 BUSINESS-AS-USUAL SCENARIO





### **IMPACTS CTB GOAL C: SAFETY**

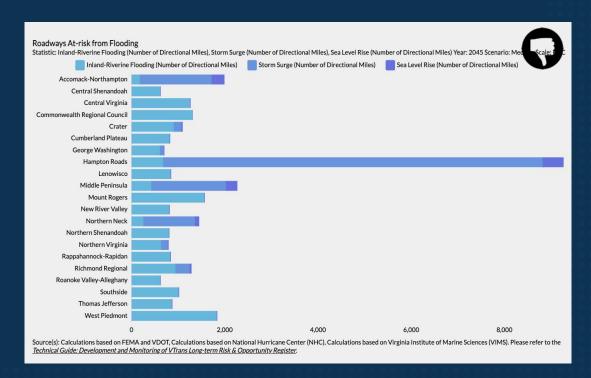
#### SAFETY INDEX: ESTIMATED CHANGE IN NUMBER OF CRASHES INVOLVING FATALITIES + SERIOUS INJURIES DUE TO VTRANS MACROTRENDS COMPARED TO THE 2045 BUSINESS-AS-USUAL SCENARIO





### **IMPACTS CTB GOAL D: SYSTEM PRESERVATION**

ROADWAYS AT RISK OF FLOODING: ESTIMATED DIRECTIONAL MILES OF ROADWAY AT RISK OF FLOODING DUE TO SEA LEVEL RISE, STORM SURGE, AND/OR INLAND/RIVERINE FLOODING IN 2045

















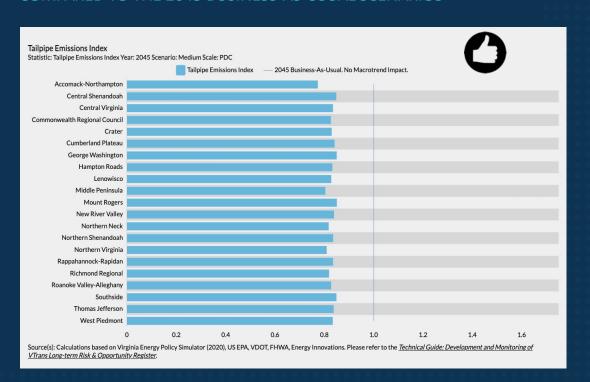






### IMPACTS CTB GOAL E: HEALTHY AND SUSTAINABILE COMMUNITIES

#### TAILPIPE EMISSIONS INDEX: ESTIMATED CHANGE IN TAILPIPE EMISSIONS DUE TO VTRANS MACROTRENDS COMPARED TO THE 2045 BUSINESS-AS-USUAL SCENARIOS

























### CTB'S LONG-TERM RISK & OPPORTUNITY REGISTER

- CTB has developed a Long-term Risk & Opportunity Register
  - ▶ Most of the identified risks and are also relevant for regional entities.
- CTB has directed OIPI to monitor these Mega and Macrotrends and provide annual updates.



### POTENTIAL ITEMS FOR MPOs AND PDCs

- 1. Monitor 19 risks and opportunities.
- 2. Evaluate the extent to which regional long-range transportation plans will be impacted.
- 3. Study and develop pilots to address the identified risks and opportunities.
  - ▶ OIPI's Technical Assistance program offers resources to evaluate strategies to prepare for several emerging issues.



# THANK YOU!

- OIPI's Statewide Transportation Planning (STP) Section
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