

















COMMONWEALTH of VIRGINIA Office of the \_\_\_\_\_\_ SECRETARY of TRANSPORTATION

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

#### The National Capital Region Transportation Planning Board

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January 7, 2022

- VTrans Policy for Development and Monitoring of the Long-term Risk & Opportunity Register (LT-ROR)
  - > VTrans Key Long-term Takeaways



## COMPONENTS OF VTRANS

3 1 2 4 CTB's Vision, Guiding VTrans Mid-term VTrans Long-term Strategic Actions Principles, Goals **Needs: Identification** Risk & Opportunity (Recommendations) and Objectives and Prioritization Register FOCUS





## IDENTIFY MEGA- & MACROTRENDS

**STEP 2** IDENTIFY METRICS FOR CTB GOALS



#### ESTIMATE IMPACTS OF MACROTRENDS ON METRICS



DEVELOP VTRANS LONG-TERM RISK & OPPORTUNITY REGISTER



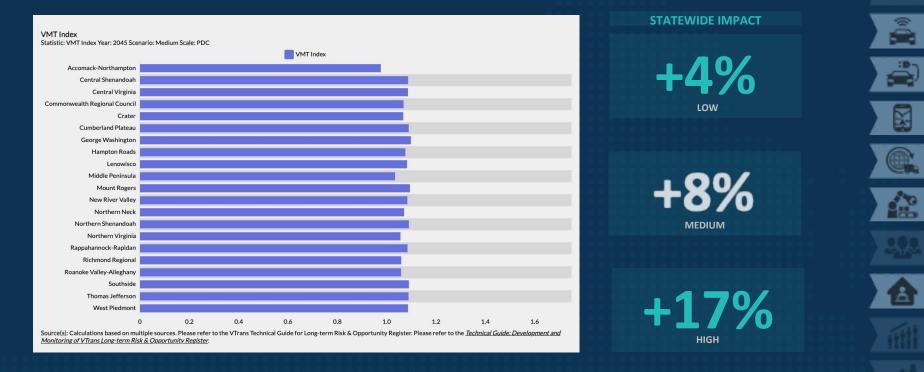
TRACK MACROTRENDS FOR ANNUAL REPORTING



### LT-ROR STEP 1: IDENTIFY MEGA- & MACROTRENDS



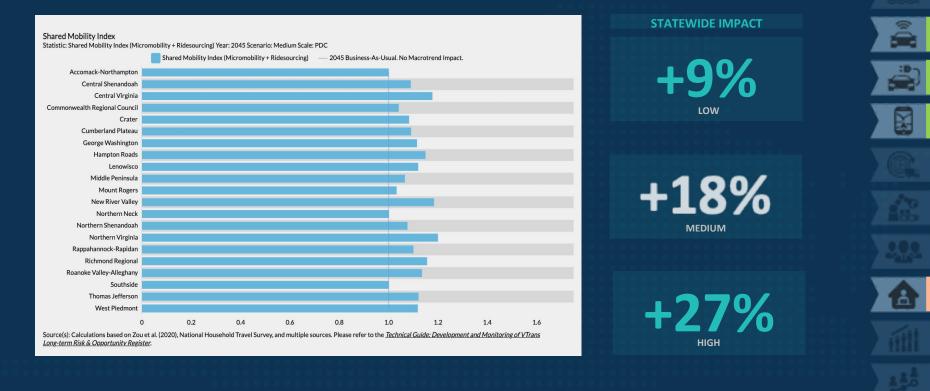
# LT-ROR STEP 3: IMPACTS OF MACROTRENDS ON CTB GOAL A METRIC



VIRGINIA'S TRANSPORTATION PLAN STEP THREE

# LT-ROR STEP 3: IMPACTS OF MACROTRENDS ON CTB GOAL B METRIC

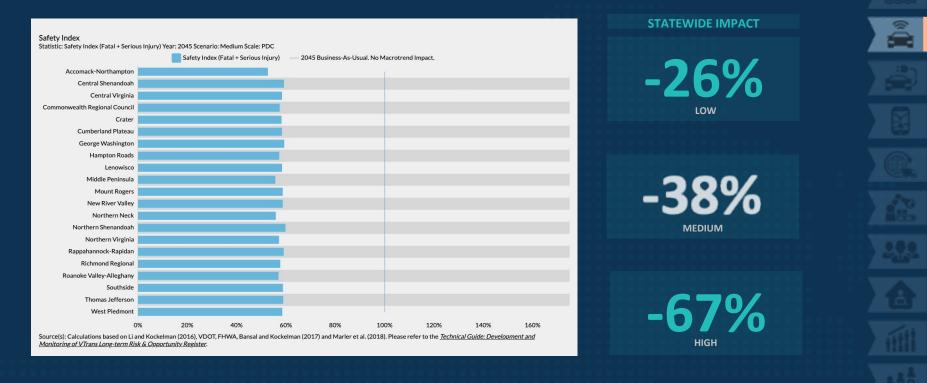
# SHARED MOBILITY INDEX: ESTIMATED SWITCHABLE URBAN AUTO SOV VMT TO MICROMOBILITY + RIDESOURCING DUE TO VTRANS MACROTRENDS COMPARED TO THE 2045 BUSINESS-AS-USUAL SCENARIO



VTRANS VIRGINIA'S TRANSPORTATION PLAN STEP THREE

# LT-ROR STEP 3: IMPACTS OF MACROTRENDS ON CTB GOAL C METRIC

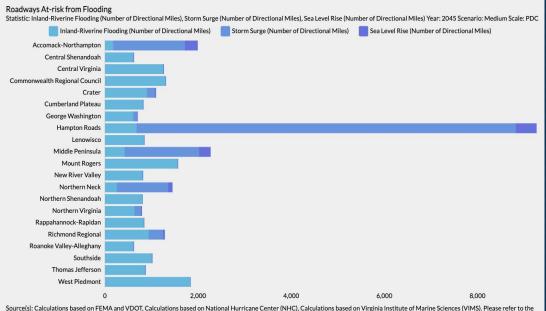
# SAFETY INDEX: ESTIMATED CHANGE IN NUMBER OF CRASHES INVOLVING FATALITIES + SERIOUS INJURIES DUE TO VTRANS MACROTRENDS COMPARED TO THE 2045 BUSINESS-AS-USUAL SCENARIO



VIRGINIA'S TRANSPORTATION PLAN

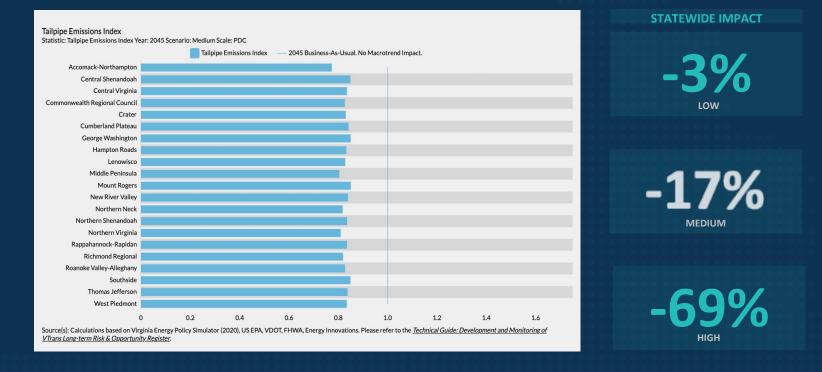
# LT-ROR STEP 3: IMPACTS OF MACROTRENDS ON CTB GOAL D METRIC

# 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



Technical Guide: Development and Monitoring of VTrans Long-term Risk & Opportunity Register.

# LT-ROR STEP 3: IMPACTS OF MACROTRENDS ON CTB GOAL E METRIC

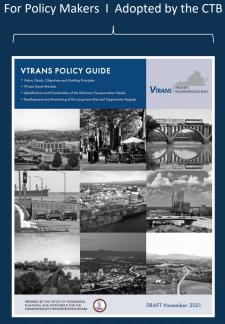


VIRGINIA'S TRANSPORTATION PLAN STEP THREE

## LT-ROR Steps 4 and 5: RISK & OPPORTUNITY REGISTER

- Step 4: OIPI has identified 19 risks and opportunities (view them <u>here</u>)
  - Most of the identified Risks and Opportunities would also be relevant for regional and local entities.
- Step 5: CTB has directed OIPI to monitor these Mega and Macrotrends and provide annual updates.





POLICY GUIDE

Includes all policies

#### **TECHNICAL GUIDES** For practitioners I Not adopted by the CTB



**Needs Identification and Prioritization** 

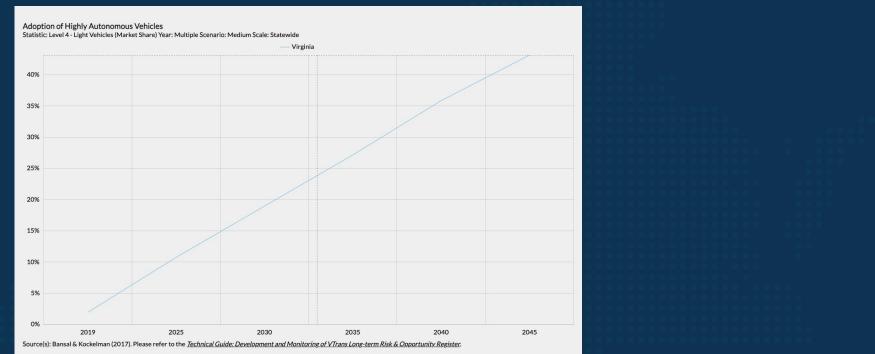


Long-term Risk & Opportunity Register

#### LT-ROR: RESOURCES

Gather jurisdiction- and region-specific impacts of VTrans Macrotrends

#### VTrans.org > InteractVTrans > Data Explorer



VIRGINIA'S TRANSPORTATION PLAN

### LT-ROR: WHAT CAN MPO AND PDCs DO WITH THIS INFORMATION?

- 1. Monitor 19 risks and opportunities
- 2. Share them with your policy board members
  - Convey why this matters
- 3. Make your jurisdictions aware of it
  - Convey why this matters. Get ahead of the curve on some of the more localized impacts.
- 4. Study and develop pilots to address the identified risks and opportunities
  - GAP-TA Program Component 2 offers resources
- 5. Evaluate the extent to which your LRTPs will be impacted

#### **NEXT STEPS**

#### > OIPI will:

- Monitor long-term risks & opportunities and modify based on new data and information
- Collaborate with VDOT, DRPT, and other stakeholders to implement and monitor the VTrans Strategic Actions
- > Inform local and regional jurisdictions of available resources to ensure all stakeholders are aware





OIPI's Statewide Transportation Planning (STP) Section

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