



COMMONWEALTH of VIRGINIA
Office of the
SECRETARY of TRANSPORTATION

SMART SCALE ROUND 5

Proposed Changes

December 7, 2021



Summary

- **Round 5 Proposed Changes**
 - **Environmental Quality Measures**
 - E.1 (Air Quality)
 - E.2 (Impact to Natural and Cultural Resources)
 - **Land Use Measure**
 - **Cost Estimates**
- **Feedback Received**
- **Next Steps**

Environmental E.1 – Air Quality

Round 5 Updates

Improve measure by refining existing qualitative and adding quantitative

Part 1 - Improved Qualitative Process (Weight 50%)

Normalized Non-SOV User Based Points + Normalized Freight Points



Part 2 - New Quantitative Calculation (Weight 50%)

Non-SOV CO₂ Offset + Freight CO₂ Offset



Proposed E.1 Measure for Round 5

Environmental E.2 – Impact to Natural and Cultural Resources

Round 5 Updates

Right-size impact buffer to disturbance anticipated based on Project Feature

- **Impact Buffer Acres - Tiered approach based on features selected**
 - Tier 1 = 30 feet
 - Tier 2 = 1/8 mile
 - Tier 3 = 1/4 mile
- **Sensitive Areas**
 - Environmental Division will review for validity every round

Transportation Efficient Land Use L.1 & L.2

Round 5 Updates

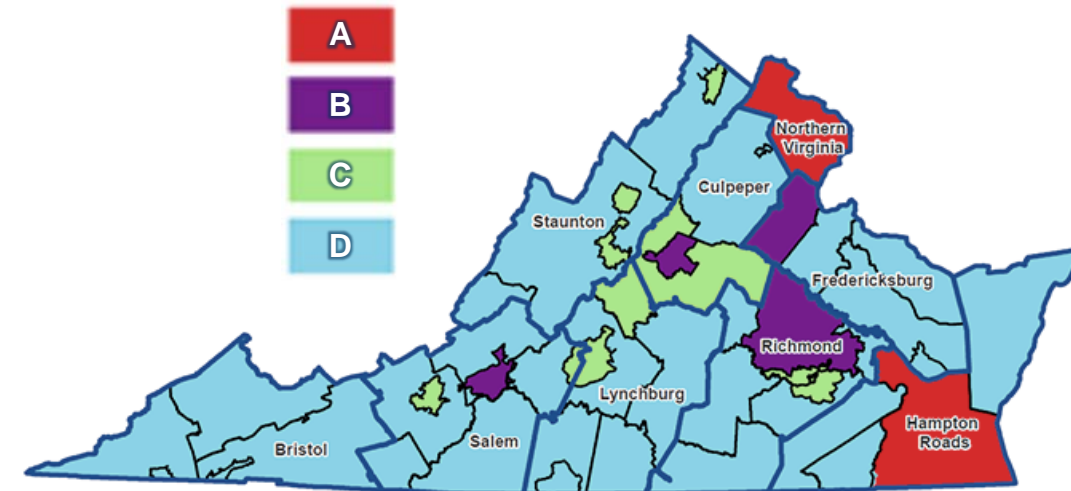
Reduce walk buffer and apply measure to Area Types C & D

- **Apply Land Use to all Area Types**
 - Weighting Changes for Type B, C & D
- **Use a 1 Mile Buffer instead of 3 Mile Buffer**
 - Average Pedestrian Walk Trip Length

Land Use Area Type Weighting Adjustments

Existing						
Area Type	Congestion	Safety	Accessibility	Environment	Economic Development	Land Use
A	45%	5%	15%	10%	5%	20%
B	15%	20%	25%	10%	20%	10%
C	15%	25%	25%	10%	25%	
D	10%	30%	15%	10%	35%	

Proposed						
Area Type	Congestion	Safety	Accessibility	Environment	Economic Development	Land Use
A	45%	5%	15%	10%	5%	20%
B	15%	20%	20%	10%	20%	15%
C	15%	25%	15%	10%	25%	10%
D	10%	30%	10%	10%	30%	10%



Feedback Received

- **Coordinated with VDOT District and DRPT staff on Round 5 Changes**
 - VDOT district staff requested OIPI to test Area Type D refinement of adding to the Safety Measure and removing from Economic Development Measure
- **Several Comments E.2 Tiered Approach – Project Features with “Other” in name should not be automatically assigned**
- **Several requests for earlier release of SMART SCALE Technical Guide**
- **Several requests for more actionable feedback at Pre-Screening**

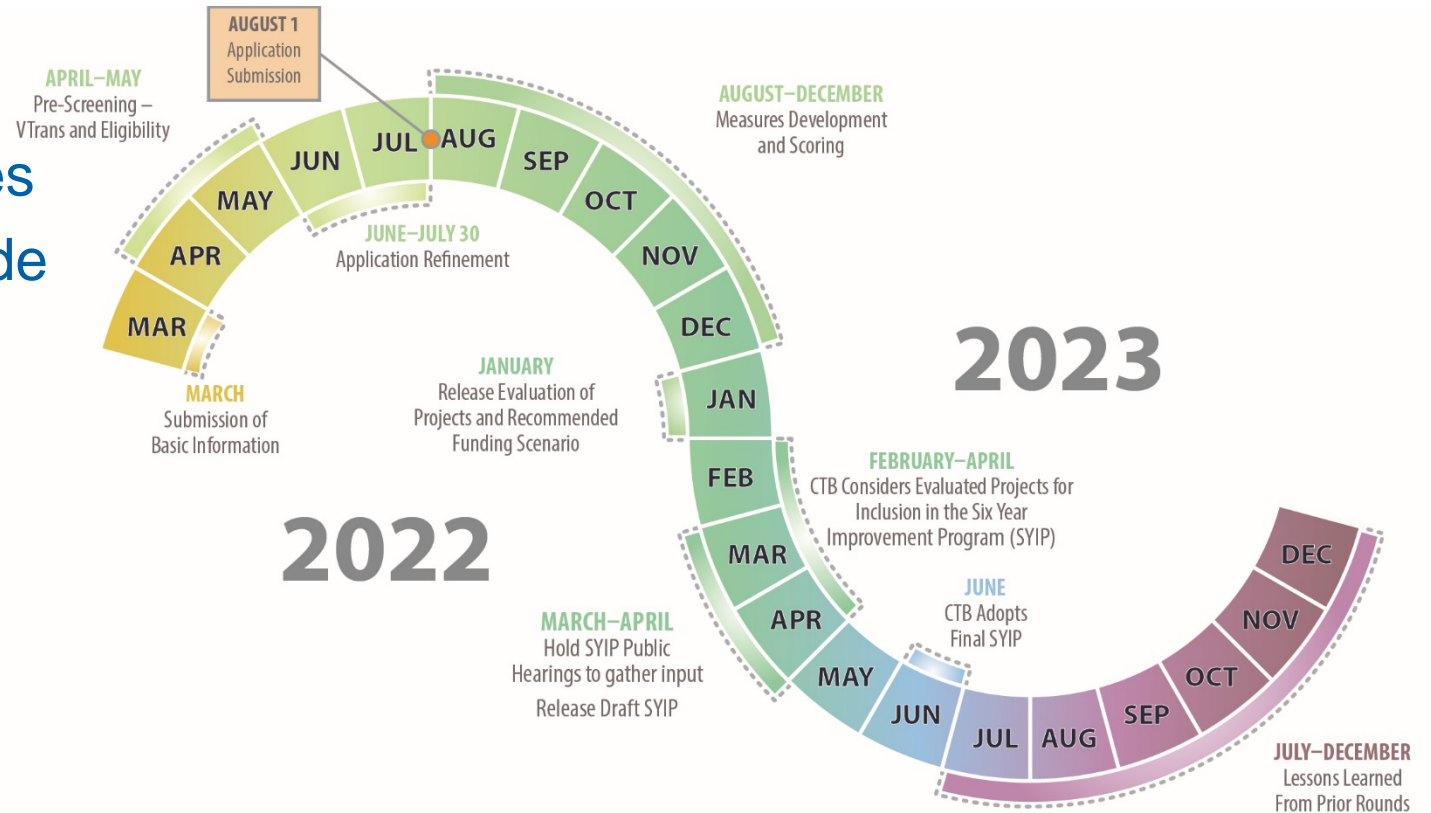
Cost Estimates

Round 5 Updates Improve Transparency and Consistency

- **Updated Cost Estimate Workbook (CEWB) will continue to improve estimate consistency and validation (December 2021)**
 - Updated to align with VDOT's new Cost Estimating Manual
 - CEWB and User's Guide will be posted on VDOT's public facing website
 - Applicants are also encouraged to use the CEWB
- **Continued training and outreach will occur over the winter for VDOT, localities, and consulting partners**

Next Steps

- **December**
 - Seeking Action Round 5 Changes
 - Release Updated Technical Guide
- **February**
 - Portal Pre-Application Training
- **March**
 - Portal Pre-Application Opens





COMMONWEALTH of VIRGINIA
Office of the
SECRETARY of TRANSPORTATION

Thank you.

