

Commonwealth Transportation Board Spring Processes

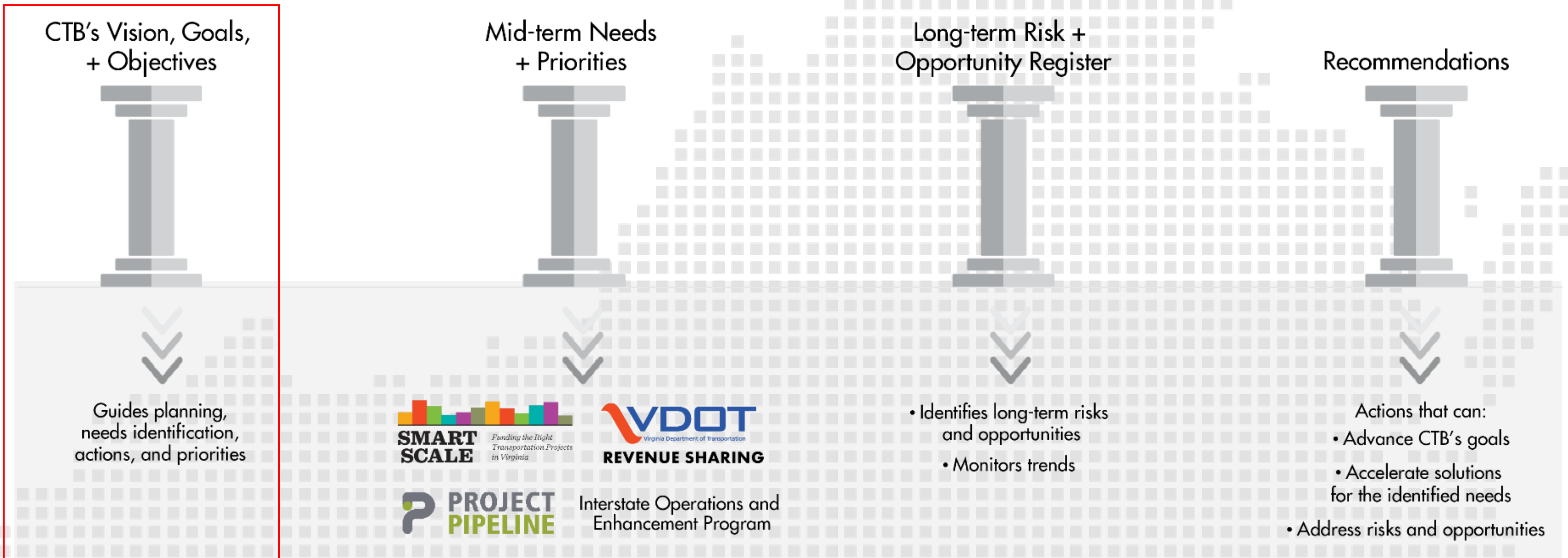
VTrans and Smart Scale

VTRANS

The commonwealth's comprehensive plan to address state wide transportation needs

- Required by the Feds and by Virginia statute
- Done every 4 years
- Informs decision-making based on identified needs, priority locations, risks and opportunities

► VTrans is a collection of four CTB policies.





➤ In 2020, CTB adopted Vision, Goals, and Objectives.

Virginia's transportation system will be **Good for Business, Good for Communities, and Good to Go.**

Virginians will benefit from a sustainable, reliable transportation system that advances Virginia businesses, attracts a 21st century workforce, and promotes healthy communities where Virginians of all ages and abilities can thrive.

CURRENT GOALS	CURRENT OBJECTIVES
Goal A: Economic Competitiveness and Prosperity	• Reduce the amount of travel that takes place in severe congestion
	• Reduce the number and severity of freight bottlenecks
	• Improve reliability on key corridors for all modes
Goal B: Accessible and Connected Places	• Reduce average peak-period travel times in metropolitan areas
	• Reduce average daily trip lengths in metropolitan areas
	• Increase the accessibility to jobs via transit, walking, and driving in metropolitan areas
Goal C: Safety for All Users	• Reduce the number and rate of motorized fatalities and serious injuries
	• Reduce the number of non-motorized fatalities and serious injuries
Goal D: Proactive System Management	• Improve the condition of all bridges based on deck area
	• Increase the lane miles of pavement in good or fair condition
	• Increase percent of transit vehicles and facilities in good or fair condition
Goal E: Healthy, Sustainable Transportation Communities	• Reduce per-capita vehicle miles traveled
	• Reduce transportation related NOX, VOC, PM, and CO emissions
	• Increase the number of trips traveled by active transportation (bicycling and walking)



► In 2021, CTB adopted a policy to monitor ten (10) external factors and their cumulative impact on Virginia's transportation system to develop and update the **long-term risk and opportunity register**.

TECHNOLOGICAL ADVANCEMENTS

External Factors



Adoption of Highly Autonomous Vehicles



Adoption of Electric Vehicles



Growth in Shared Mobility

CONSUMPTION PATTERNS



Growth in E-commerce



Greater Automation of Production and Services

CLIMATE



Increase in Flooding Risk

- Storm Surge
- Sea-level Rise
- Inland/Riverine Flooding

SOCIO-DEMOGRAPHIC CHANGES



Growth of the Professional Service Industry



Increase in Workplace Flexibility





Growth of the 65+ Cohort



Population and Employment Shift

NEXT STEPS (2023)

- **March:** Discuss the Vision, Goals, and Objectives.
- **April:** Present draft VTrans Vision, Goals, and Objectives.
-  ➤ **May:** **Request action on Vision, Goals, and Objectives.**
- **September:** Present modifications to the policy to identify and prioritize needs.
-  ➤ **October:** **Request action related to the policy to identify and prioritize mid-term needs.**

Smart Scale review prior to Round 6

An iterative process

- Smart Scale is the Commonwealth's biennial prioritization process
- Review goal is to ensure the process is identifying projects that provide the greatest benefit for the investment
- Projects are evaluated on 6 dimensions (weighted for our region + Hampton Roads)
 - Congestion mitigation - 45%
 - Land Use - 20%
 - Accessibility - 15%
 - Environmental Quality - 10%
 - Economic development - 5%
 - Safety - 5%

Key Components of SMART SCALE Process Review



Statistical Analysis

Analysis of the performance and outcomes of the past funding rounds

Identification of potential biases and related causes



Survey Assessments

Review of process performance and perceptions

Administration, communications, and customer service



Procedural Review

Identify procedural improvements including application updates, communications, and process improvements



Code and Policy

Recommend procedural changes

Recommend CTB Policy changes

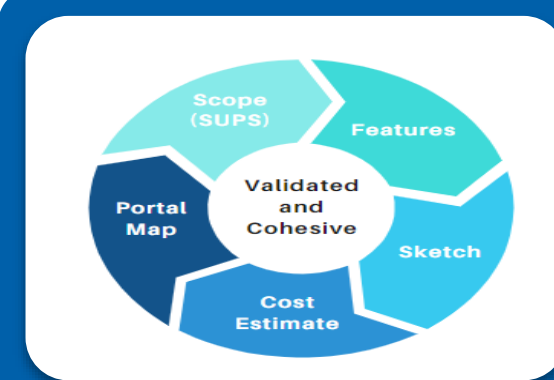
Recommended Code changes

Procedural Review



SMART Portal

- Pre-Scoping, Pre-Application, Application



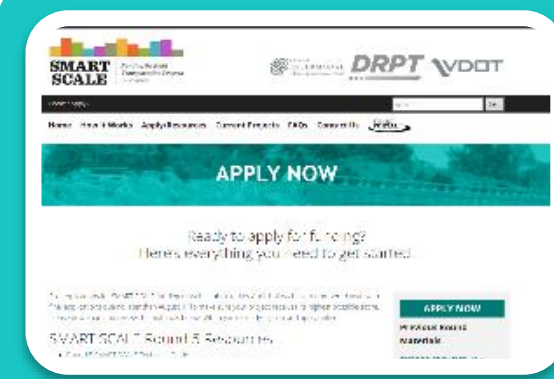
Screening

- VTrans, Readiness, Eligibility



Scoring

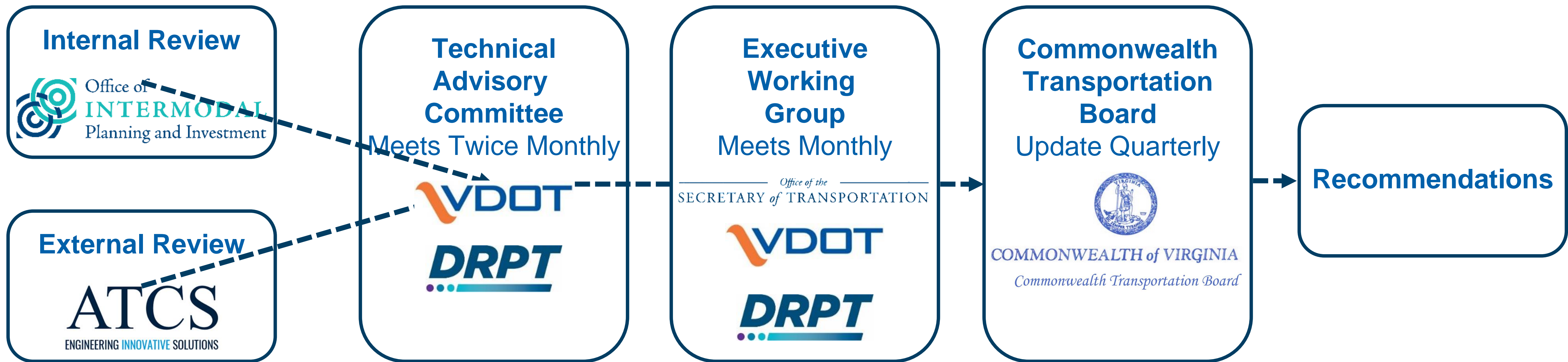
- Process, Methodology



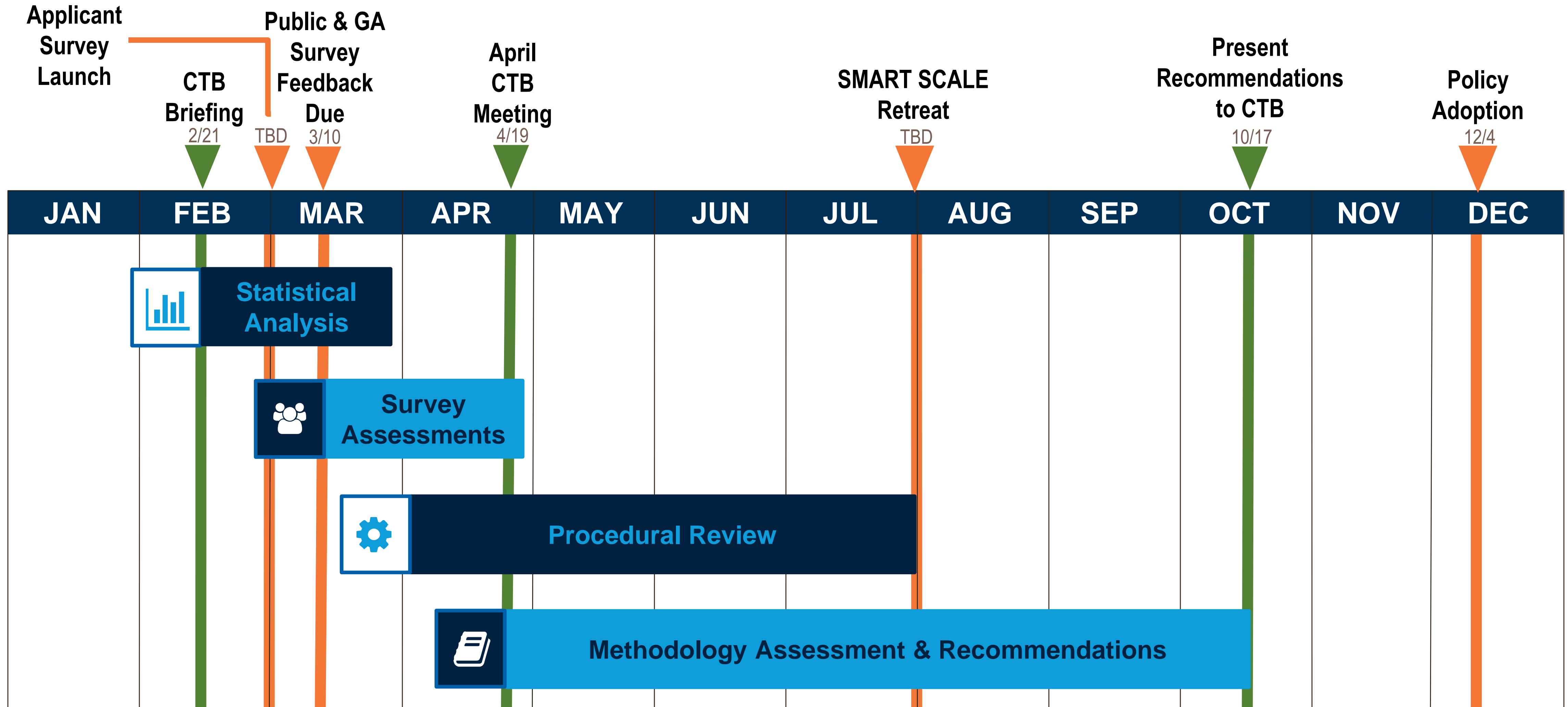
Communications

- Website, References, Training, Videos

Review Organization



Team Milestones / Timeline



CTB Meeting Outlook

- **February/March:** Summary of Process Review
- **April:** Overview of survey and historical data analysis. Summary of findings primarily focused on survey responses; no recommendations provided at this time
- **July/August:** Detailed overview of findings
- **October:** Final findings and recommendations presented
- **December:** Policy Adoption and other recommendations