

West Virginia

Carbon Reduction Strategy



Agenda

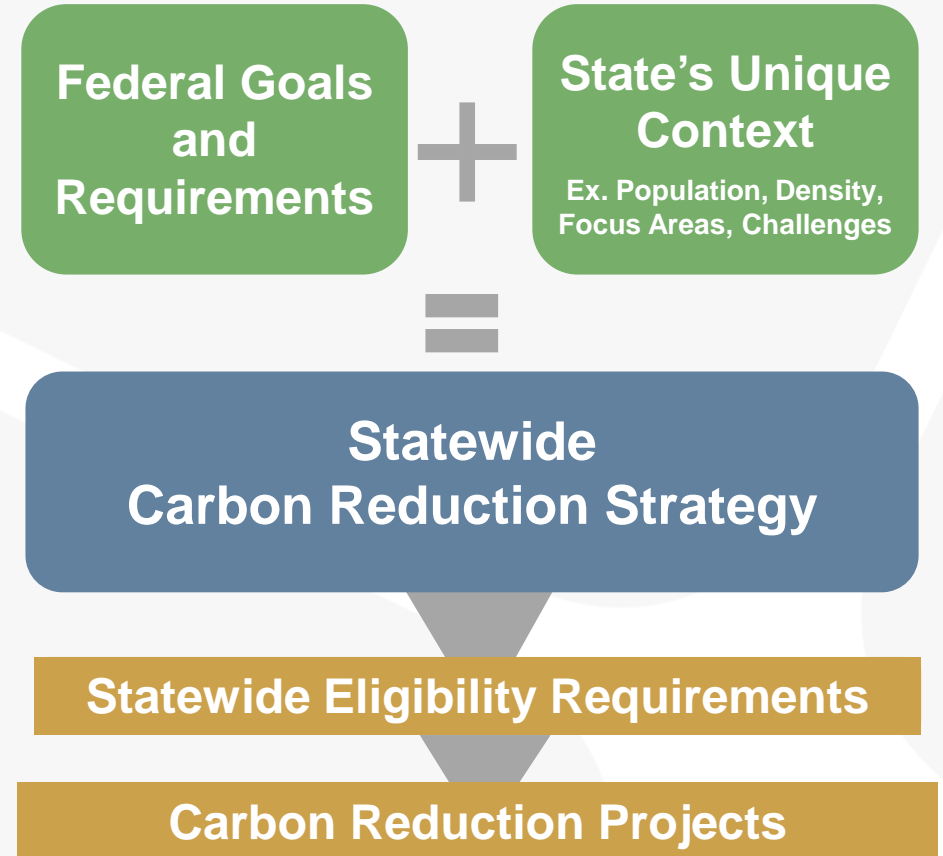
1. Background
2. CRS Development
3. Carbon Reduction Strategies
4. Implementation

Background

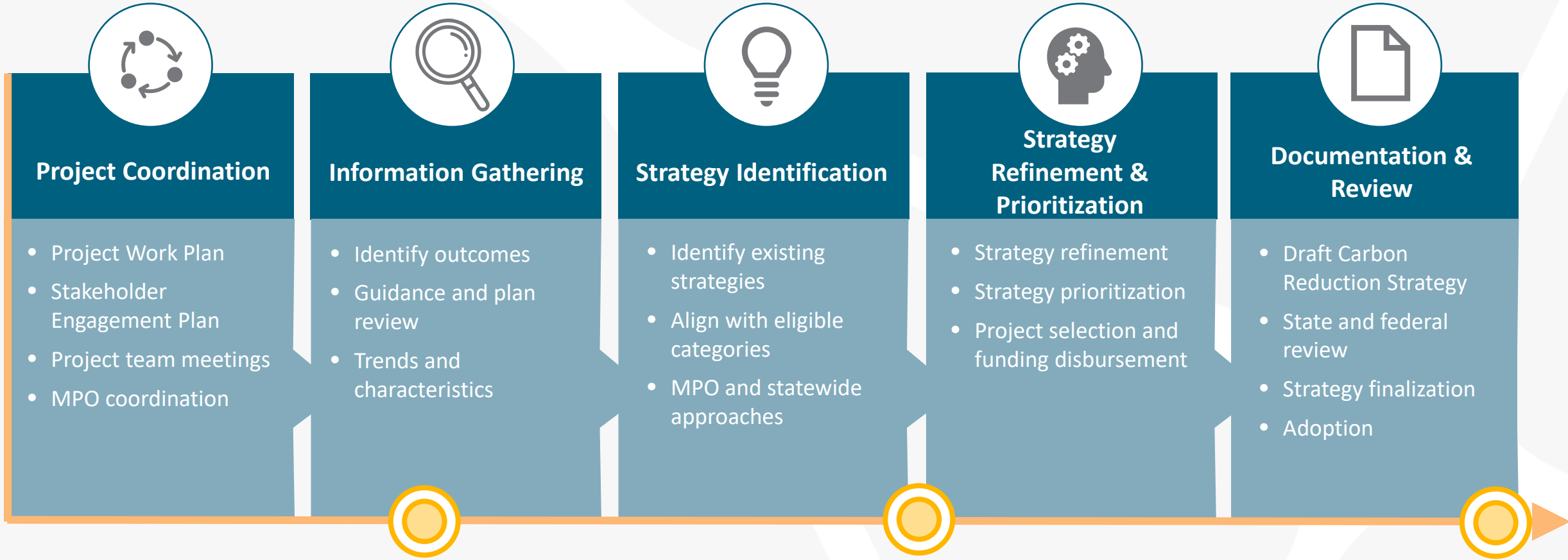
Stems from the IIJA

CRP Requirements:

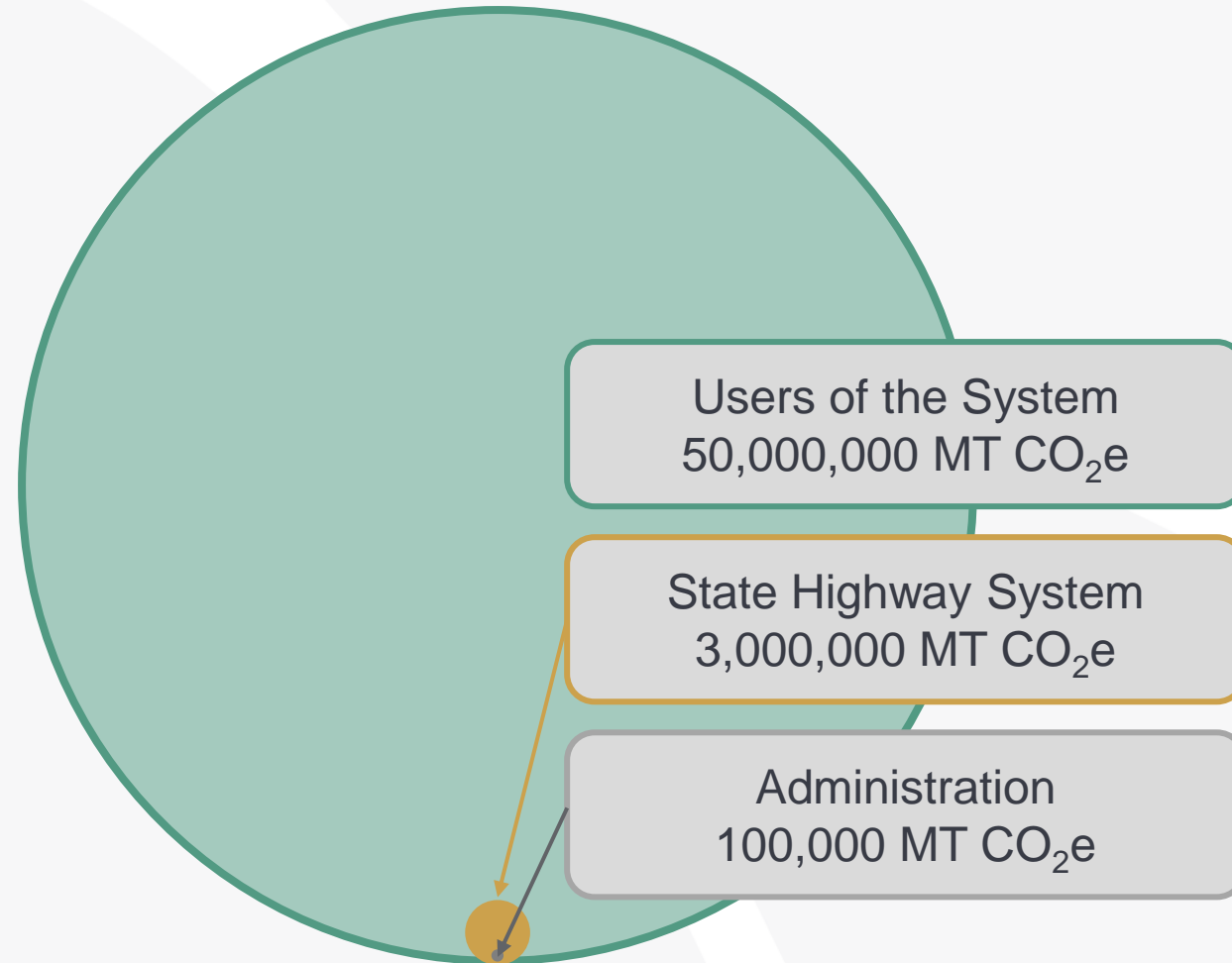
- Supports the reduction of transportation emissions in the State, and efforts to reduce transportation emissions
- Identifies projects and strategies to reduce transportation emissions
- Facilitates the use of vehicles or modes of travel that result in lower transportation emissions as compared to existing approaches
- Is appropriate to the population density and context of the State, including any Metropolitan Planning Organization (MPO) designated within the State



Strategy Development Process

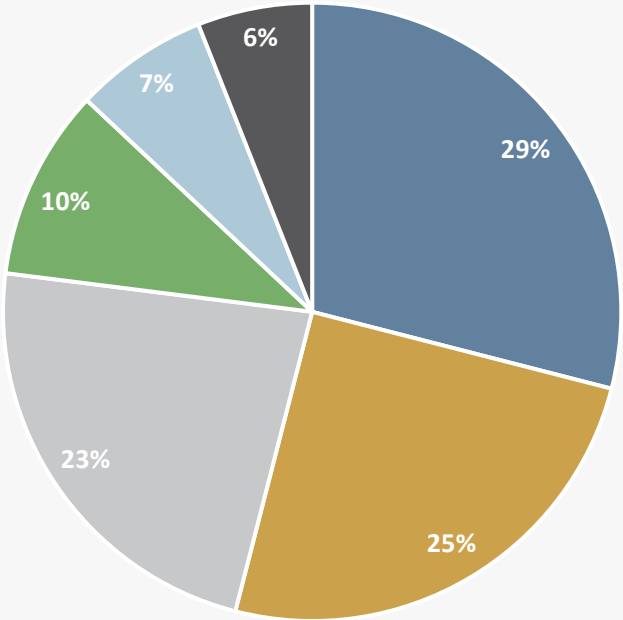


WVDOT's Role in Carbon Reduction



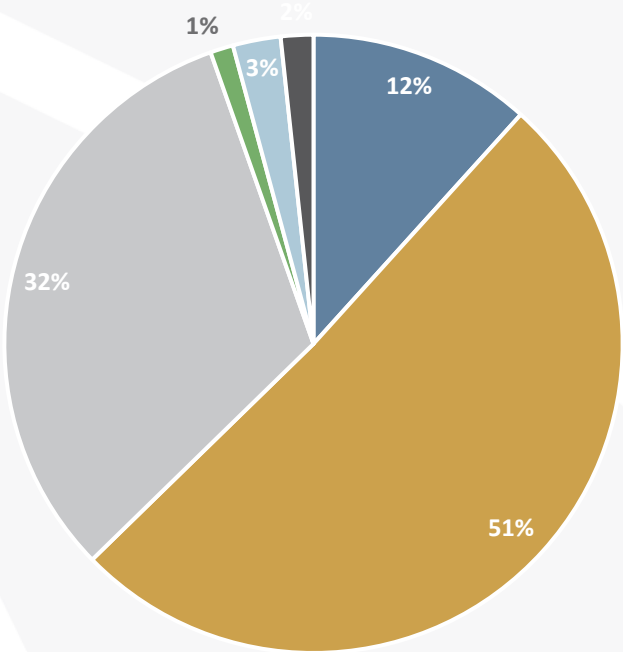
WV transportation emissions are less than half the national average

National



- Transportation
- Electricity
- Industry
- Agriculture
- Commercial
- Residential

West Virginia



- Transportation
- Electricity
- Industry
- Agriculture
- Commercial
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Expected Funding Levels

	National	West Virginia
FY 2022	\$1.234B	\$13.9M
FY 2023	\$1.258B	\$14.3M
FY 2024	\$1.283B	\$14.6M
FY 2025	\$1.309B	\$14.8M
FY 2026	\$1.335B	\$15.1M

Additionally, WVDOT may transfer up to 50% of CRP funds made available each fiscal year to any other apportionment of the state

Over the course of the 5-year Carbon Reduction Program, West Virginia is estimated to receive \$72,814,410.

CRS Development

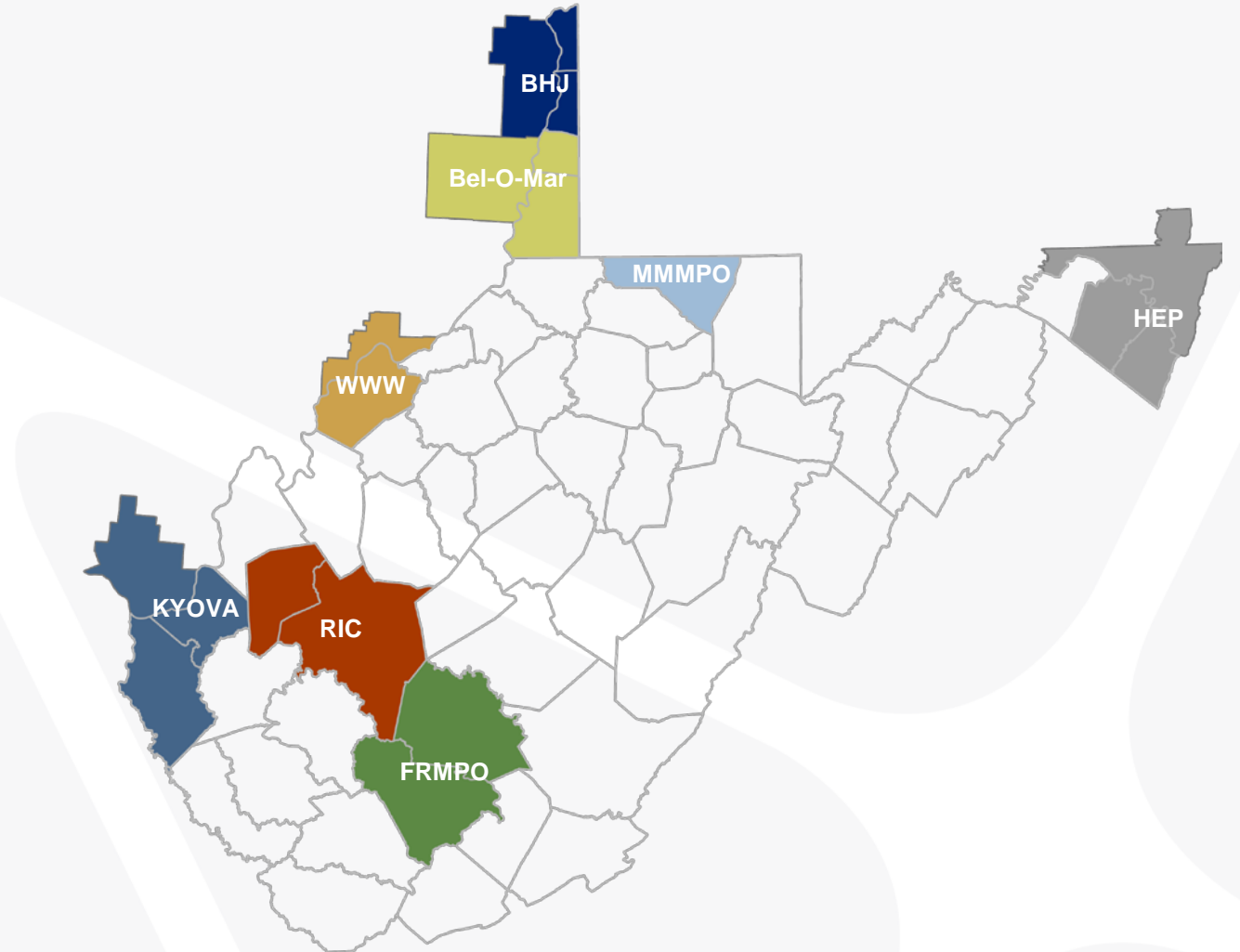
One-on-One Meetings with MPOs

WVAMPO Meeting #1

- Overview and information sharing

WVAMPO Meeting #2

- Trends and outline review



Project Update – MPO One-on-One Meetings

What carbon reduction strategies are your agencies taking now?

Are there things you would like to expand into that you aren't doing as much of yet?

When considering the categories of project types, which are you most likely to leverage?

What information would be helpful for you to receive from WV's Carbon Reduction Strategy for use in your MTP?

Are there any trends and characteristics that your MPO is already measuring or that would be of particular value to understand?

For Bi-, Tri-State MPOs - where are you in the process of consultation with "X"DOT? Are there any opportunities for alignment or direction we should be considering in WV?

Carbon Reduction Strategies



Transportation Technology



Strategies that use innovative technological solutions to improve roadway operations through improved information sharing, data analytics, and traffic control methods.

- Traffic Management and Control Facilities
- Intelligent Transportation Systems
- Signal Performance Improvements

Congestion Management and Mitigation



Strategies that reduce congestion through design solutions and by reducing the demand for roadway trips.

- Travel Demand Management
- Freight and Intermodal
- Transportation Control Measures and
Traffic Flow Improvements
- Truck Parking

Active Transportation and VMT Reduction



Strategies that encourage users to take trips via non-vehicular modes, such as active transportation or public transit.

- Bicycle and Pedestrian Facilities and Programs
- Transit Improvements
- Alternative Fuel Vehicles and Diesel Engine Retrofits
- Micromobility Support

Energy Efficient and Green Construction Processes



Strategies that encourage roadway construction techniques that reduce carbon emissions, while maximizing the life of the roadway.

- Sustainable Pavements
- Shoulder Pavement Upgrades
- Pavement Recycling
- Low- and Zero-Emission Construction Equipment
- Energy Efficient Streetlights

Implementation

Opportunity for Continued Partnership

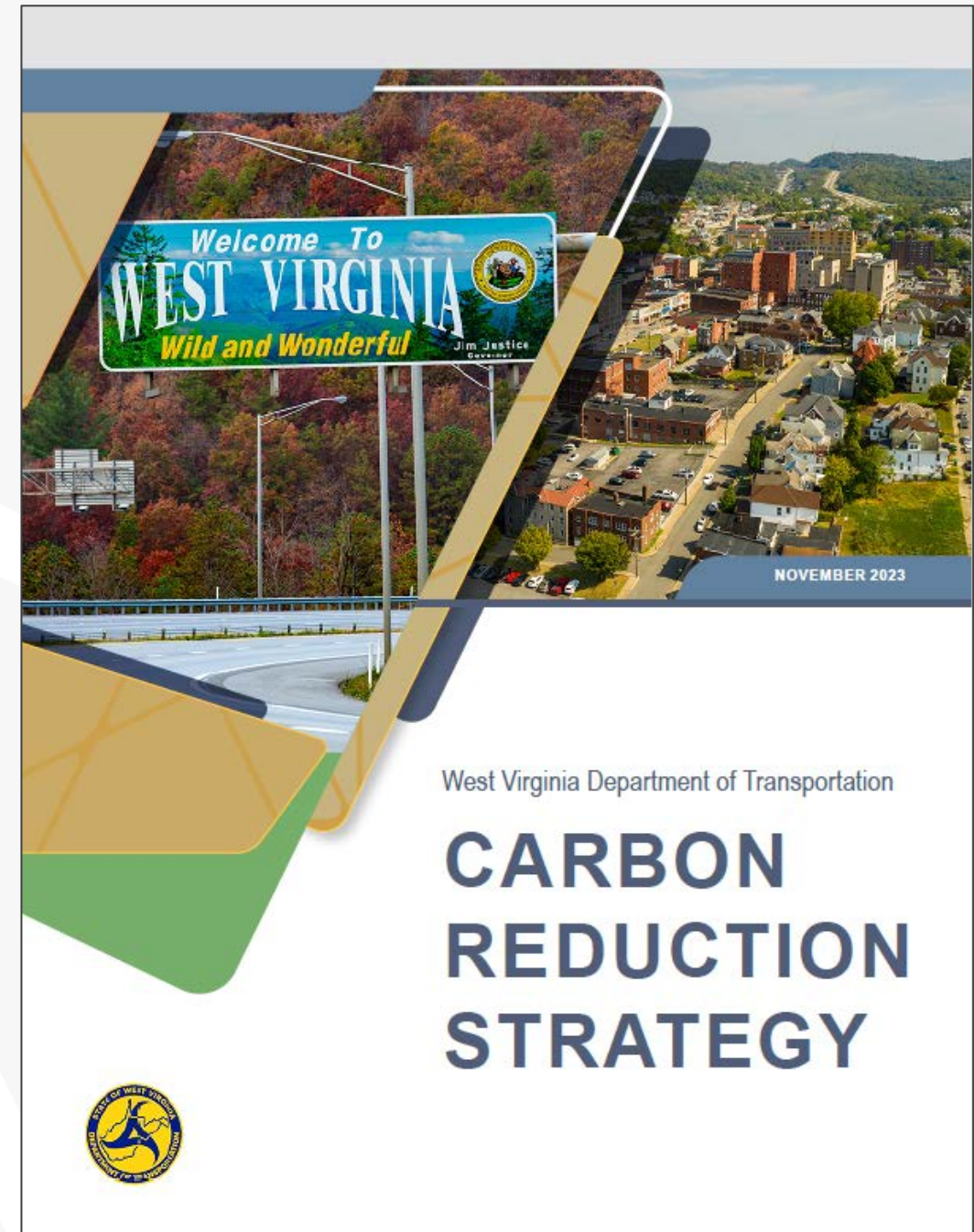
- Other State Agencies
- Transit Agencies
- Regional Councils and MPOs
- Business Community
- Local Jurisdictions

Must be updated every 4 years



Carbon Reduction Strategy

- IIJA and the Carbon Reduction Program
- CRS Development
- Carbon Reduction Strategies
- Implementation Plan
- Update Process



Best Practices

- Strategies in context
- Public involvement
- Inventories and trends
- Analyzing GHG strategies
- Life cycle emissions
- Integrating analysis into decision-making
- Implementing strategies



U.S. Department
of Transportation

State Carbon Reduction Strategies: A View from Across the Country



April 2024

Questions?