

FISCAL YEAR 2024 SCOOP SUMMARY REPORT

THE EASTERN
TRANSPORTATION
COALITION

CONNECTING FOR SOLUTIONS





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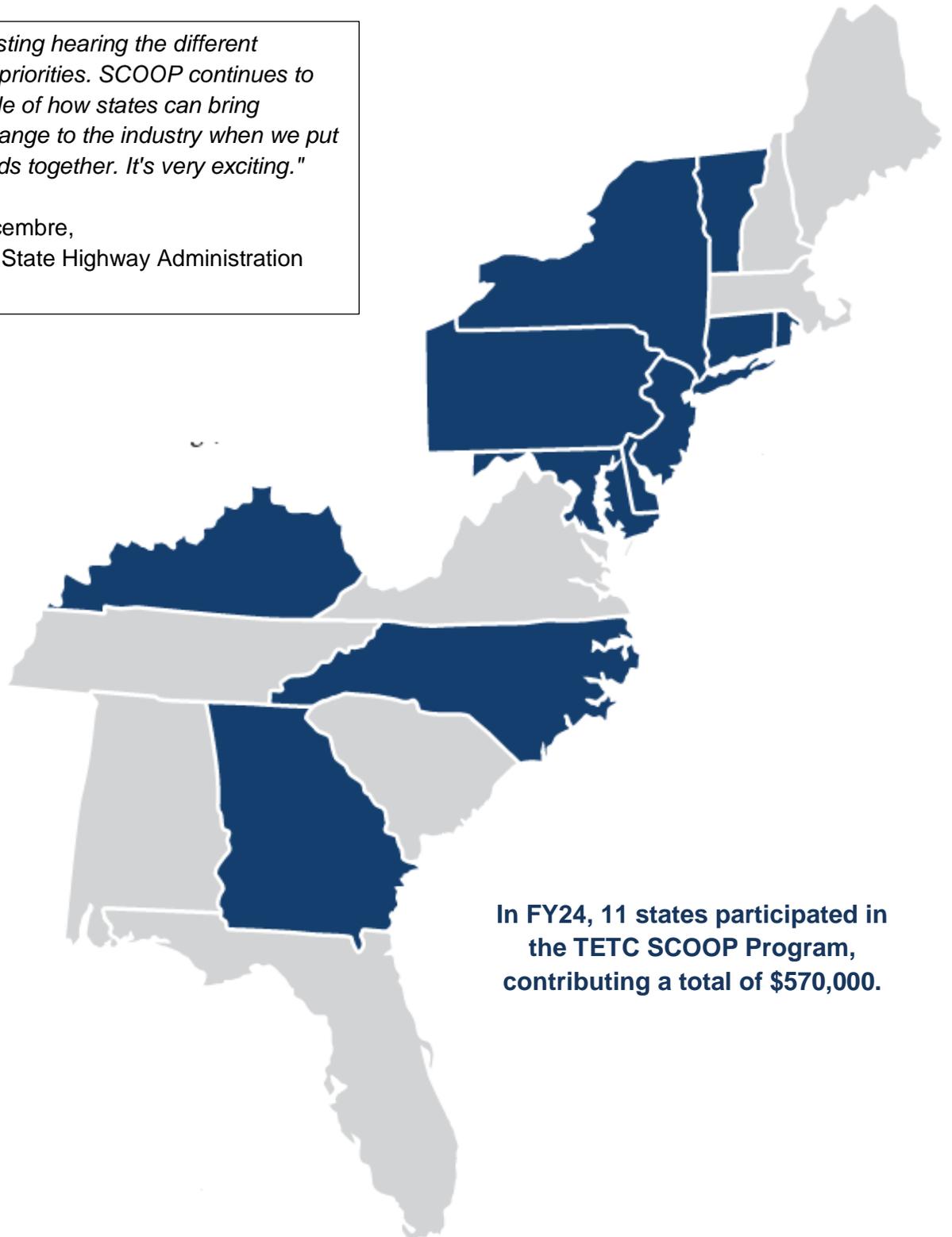
The Eastern Transportation Coalition saw a growing demand for quick-response strategic initiatives that foster innovative and implementable ideas, tests emerging technologies and leverage data to address urgent and emerging transportation issues.

WHAT KIND OF STRATEGIC INITIATIVES ARE COMPLETED UNDER SCOOP?

- SCOOP initiatives are expansions of TETC programmatic work
- The work can be completed within six to twelve months
- The benefits extend beyond one state and support multi-state/cross-border collaboration
- The strategic initiative has an urgency, but also supports longer range agency activities
- The effort is unique and not underway by any other associations
- The strategic initiative supports the Coalition's mission to connect for solutions

"It's always interesting hearing the different perspectives and priorities. SCOOP continues to be a great example of how states can bring innovation and change to the industry when we put our collective heads together. It's very exciting."

~Jason Dicembre,
Maryland State Highway Administration



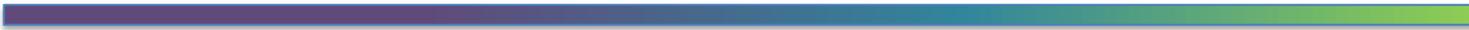
In FY24, 11 states participated in the TETC SCOOP Program, contributing a total of \$570,000.

FY24 SCOOP STRATEGIC INITIATIVES

STRATEGIC INITIATIVE	DESCRIPTION	STATE CHAMPION	COMPLETION
PROGRAM AREA: TSMO/DATA			
Down With Copper Theft	Copper wiring is utilized in a variety of ITS devices. Agencies across the country have seen an increase in copper wire theft as the price of copper rises, resulting in device outages and costly repairs. This initiative will provide an easy-to-use synthesis of mitigation strategies, costs of these strategies, and examples of successful partnerships utilized in mitigation efforts.	Kentucky	September 2024
Our Fiber/ Broadband Backbone	There are a variety of considerations for deployment and/or commercialization of fiber optic communications infrastructure along highway rights-of-way. This initiative will provide information on resources for fiber deployments (new and existing) and fiber sharing processes within Coalition states. The effort will be a prelude to a TETC fiber/broadband workshop in 2024.	Georgia	June 2024
Primer: AI for Operations	This effort is an exploration into the use of artificial intelligence (AI) in transportation, including an explanation of various types of AI, the state of the practice among responding Coalition states, and use cases for this technology.	Pennsylvania	August 2024
CV Data Prioritization	This initiative is documenting the strengths, limitations, use-cases, and costs for current and emerging connected vehicle (CV) data sources. This includes examining potential opportunities for CV data to reduce the need for costly roadside units (RSUs), and strategies that could reduce the costs of acquisition through multi-agency procurements, shared use, and/or multi-state model deployments.	Maryland	Continuing into FY25
CAPABLE	Count All Pedestrians and Bicycles Efficiently – or CAPABLE - examines the ecosystem supporting bicycle and pedestrian data collection (non-motorized counts). The initiative has resulted in an inventory of existing data and best practices, as well as identifying opportunities for the Coalition and its members to improve the accuracy and quality of data for non-motorized transportation modes. In	Connecticut	August 2024

	cooperation with industry, CAPABLE has assessed the state of traditional data collection, and its relationship to inform and calibrate big data insights into bike and ped behavior on larger geographic scales. The final products will include an assessment of data schemas from various regional and national efforts to unify and integrate bike/ped data, and recommendations for Coalition role with respect to non-motorized data.		
REVEAL	The Eastern Transportation Coalition led the nation in harnessing travel time and speed from probe data in 2006 – and in 2022 the Coalition integrated traffic volume estimates into Transportation Data Marketplace to support planning and performance metrics. Real-time Volume Estimates Across Locations (or REVEAL) takes the next step toward real-time traffic volume estimates to support members responding in real-time to increasingly frequent and severe weather incidents, major incidents, and other disruptions to normal traffic flow such as a solar eclipse. REVEAL will extend the fundamental volume estimation capabilities initiated through TETC sponsored research and provide a path for the Coalition to procure and integrate real-time volume into their TSMO systems.	New Jersey	Continuing into FY25
PROGRAM AREA: FREIGHT			
What Freight is Going Where?	The initiative would deliver to each state their data file as well as data for each TETC member state providing regional insights and information sharing. By conducting the disaggregation analysis for all TETC states, it saves time and resources for members (e.g., previous disaggregated data enables one agency to defer for several years a six-figure data contract).	North Carolina	Continuing into FY25
PROGRAM AREA: INNOVATION			
Charging the Charge EV	DOTs have awarded NEVI funds to contractors for EV charger installation. As they look forward toward the transition to electrification and away from gasoline, many agencies and legislatures are considering a state-imposed fee (aka kWh fee) like the gas tax for those purchasing electricity as part of a transportation revenue strategy. This effort looked at those states that have adopted a kWh fee and explored what is known to date about the opportunities and challenges related to that model. Deliverables will include a guidance document to help decision makers assess kWh fees, and materials to support a peer-to-peer workshop for	New York	December 2024

	further interactive discussion and sharing of lessons learned.		
EV Charging Data Specs for NEVI	As State DOTs get EV fast chargers on the roadways, the way that data is collected will be critical. A partnership of public agencies, private sector and other stakeholder groups has developed a specification (housed on GitHub) that defines a common format and process for provisioning, collecting, validating and reporting on data related to EV charger deployment and use. This effort will take this defined specification and create a resource document for the DOT audience to offer guidance on what they should include in contracts/RFPs with EVSPs to ensure the data they collect is useful and reportable. The final deliverable also includes examples from existing contracts.	NA	September 2024



The future of SCOOP...

As we look ahead to FY25, TETC will utilize member feedback as part of a continuous improvement plan to further enhance the SCOOP program to the benefit of our members. Participating states will continue to play a critical role in shaping the future of transportation through their involvement in this forward-thinking program.

The future of the SCOOP Program under The Eastern Transportation Coalition (TETC) looks promising, with several anticipated advancements and improvements. Key areas of focus include:

1. **Enhanced Identification of Strategic Initiatives:** TETC aims to refine the criteria and process for identifying and selecting strategic initiatives, ensuring that they better align with the unique priorities of our members. This means improved transparency and responsiveness in addressing state-specific transportation challenges.
2. **Greater Collaboration:** The future holds an expansion of cross-border collaboration between states, fostering a more regional and unified approach to solving transportation issues. By working together on urgent, innovative initiatives, member states will continue to collaborate for more impactful solutions.
3. **Increased Innovation and Exploration of Emerging Technologies:** SCOOP will likely place a stronger emphasis on testing and implementing cutting-edge technologies, such as smart infrastructure, connected vehicles, and data-driven transportation solutions, as these areas gain traction within the industry.
4. **Improved Program Efficiency:** With a goal of streamlining timelines, SCOOP is expected to further enhance its quick-response capabilities, ensuring that initiatives are implemented within the 6-12 month window to address urgent transportation needs.
5. **More State Participation and Growth:** As SCOOP continues to prove its value, more states may contribute resources, allowing for larger scale, regional efforts as well as small to mid-sized efforts.
6. **Impact Evaluation and Scalability:** Looking ahead, SCOOP will likely focus on measuring the outcomes and impact of these initiatives, helping states and the Coalition scale successful initiatives for broader implementation.

In summary, SCOOP's future will demonstrate continued growth in collaborative innovation, more tailored solutions for states, and a stronger emphasis on leveraging new technologies to address evolving transportation challenges across the region.

For final reports on SCOOP initiatives and other related documents, please visit <https://tetcoalition.org/scoop/>

