

## Cover Page

### **APPLICANT INFORMATION**

**Organization:** New Jersey Department of Environmental Protection (NJDEP)

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**TYPE OF APPLICATION** ☐ Lead Applicant for a Coalition

Coalition members include:

Connecticut Department of Energy and Environmental Protection (CT DEEP), Delaware Department of Transportation (DelDOT), Maryland Department of the Environment (MDE), and the Maryland Department of Transportation (MDOT).

**FUNDING REQUESTED:** \$248.9 Million

**APPLICATION TITLE:** Clean Corridor Coalition: A Proposal for ZE-MHDV Infrastructure Along the I-95 Corridor

### **BRIEF DESCRIPTION OF GHG MEASURES:**

This coalition measure would reduce greenhouse gas (GHG) emissions from gasoline and diesel fuel by catalyzing the deployment of electric vehicle charging infrastructure for commercial zero-emission medium- and heavy-duty vehicles (ZE-MHDVs) traveling along the I-95 freight corridor and adjacent roadways from Connecticut to Maryland. Fossil-fueled freight vehicles account for just 5 percent of vehicle-miles-traveled in the US, but are responsible for 23 percent of the transportation sector's GHG emissions, so transitioning MHD vehicles to ZE-MHDVs is necessary to achieve state and national GHG targets. However, the current lack of public charging facilities for MHD freight vehicles is a crucial barrier to near-term and long-term deployment. The proposal seeks to address this barrier by funding ZE-MHDV truck charging stations along the freight corridor, providing technical assistance to support the development of charging sites, training and support services to establish a skilled workforce, supporting meaningful community engagement, and enabling planning by states and stakeholders along the corridor. If awarded, this grant would support the electrification of a national Phase I priority corridor identified in the National Zero-Emission Freight (ZEF) Corridor Strategy and create a high-impact early deployment area for zero-emission freight. The coalition would leverage U.S. Department of Energy-funded analyses to strategically deploy funding and would build from a demonstrated history of leadership on ZEV truck deployment and multi-state collaboration amongst the coalition states. If funded, this initial deployment of infrastructure and workforce development would accelerate the adoption of zero-emission trucks in the coalition states, the broader Northeast and Mid-Atlantic region, and across the country.

**SECTOR:** Transportation

### **EXPECTED TOTAL CUMULATIVE GHG EMISSION REDUCTIONS**

**Estimated cumulative GHG reductions for 2025-2030 (in metric tons):** 459,000 tons CO<sub>2</sub>e

**Estimated cumulative GHG reductions from 2025-2050 (in metric tons):** 18,574,000 tons CO<sub>2</sub>e

**LOCATIONS:** Truck stops and other suitable locations for publicly accessible electric vehicle charging facilities for commercial zero-emission medium- and heavy-duty vehicles carrying freight along the I-95 corridor – in Connecticut, New Jersey, Delaware and Maryland – and adjacent roadways.

**APPLICABLE PRIORITY CLIMATE ACTION PLAN(S) (PCAP) REFERENCES**

<b>Coalition member</b>	<b>PCAP Titles, &amp; Links</b>
New Jersey Department of Environmental Protection	New Jersey's Priority Climate Action Plan, <a href="#">Link</a>
Connecticut Department of Energy and Environmental Protection	Priority Climate Action Plan, <a href="#">Link</a>
Delaware Department of Transportation	Delaware Climate Pollution Reduction Plan, <a href="#">Link</a>
Maryland Department of the Environment Maryland Department of Transportation	State of Maryland Priority Climate Action Plan, <a href="#">Link</a>

**List of GHG reduction measures and PCAP reference pages for each measure:**

<b>Measure</b>	<b>PCAPs and Page #'s</b>
This measure: Reduce greenhouse gas (GHG) emissions from zero-emission medium- and heavy-duty vehicles (ZE-MHDVs) by providing funding for the development of approximately 24 freight truck charging sites, technical assistance to site hosts, workforce development, community engagement to communities near charging sites and freight facilities, and broader planning and coordination by states along the corridor to spur market transformation toward zero-emission freight movement throughout the Northeast and Mid-Atlantic region. This proposed measure is described in each coalition member's PCAPs, as follows	Corresponding coalition member PCAPs (and page #s) are listed below
Deploy electric vehicle chargers statewide to support light-duty and medium-heavy duty fueling needs	CT PCAP, pp. 48-54
Develop incentives and technical assistance to enable a network of alternative fuel infrastructure for medium- and heavy-duty vehicles with a focus on zero-emission technologies	DE PCAP, pp. 55-58
Advanced Clean Trucks, including investments in deploying charging infrastructure for commercial medium- and heavy-duty ZEV at sites along major highways and freight corridors	MD PCAP, pp. 45.
Expand charging infrastructure for zero-emission charging and fueling infrastructure for MHDVs to support zero-emission freight trucks along the I-95 corridor	NJ PCAP, pp. 15-18