

**THE NORTHWEST SEAPORT ALLIANCE**  
**MEMORANDUM**

**MANAGING MEMBERS**  
**ACTION ITEM**

**Item No.** 9A  
**Date of Meeting** November 1, 2022

**DATE:** October 19, 2022

**TO:** Managing Members

**FROM:** John Wolfe, CEO

**Sponsor:** Jason Jordan, Director, Environmental and Planning Services

**Project Managers:** Steve Nicholas, Senior Manager, Air Quality & Sustainable Practices and Nicola Graham, Environmental Project Manager, Air Quality & Sustainable Practices

**SUBJECT:** Project Authorization: Puget Sound Zero Emission Truck Collaborative

**A. ACTION REQUESTED**

Request Managing Member project authorization in the amount \$840,000, for a total authorized amount of \$840,000, to complete/for work associated with the Puget Sound Zero Emission Truck Collaborative.

**B. SYNOPSIS**

This memo requests project authorization in the amount of \$840,000 to catalyze the formation and management of the Puget Sound Zero Emission Truck Collaborative (PS-ZETC). This project would be funded by a \$400,000 contribution from WSDOT and \$440,000 of NWSA staff time over two years. The project will bring together a wide range of stakeholders to develop the Decarbonizing Drayage: Roadmap to 2050 – a 30-year strategy for equitably transitioning drayage trucking to zero-emissions. The Collaborative will actively engage near-port communities and the drayage trucking community in the development of the Roadmap, outlining strategies for overcoming barriers related to truck availability and affordability, financing, and charging and fueling infrastructure development.

**C. BACKGROUND**

The NWSA set the milestone of establishing a regional Zero Emission Truck Collaborative in the 2021-25 Clean Air Implementation Plan, in addition to demonstrating at least 10 zero emission trucks in our gateway by 2025. This project will

achieve the first milestone and help the NWSA and its partners work together to achieve the second milestone and overcome challenges in the transition to zero emission trucking in the Puget Sound.

The NWSA commissioned a Scoping Report in 2022 (attached) to lay out the state of zero emission trucks and provide recommendations of next steps, including demonstration projects, supportive funding and policies, and trucker support.

Staff discussed and strengthened this project proposal with the Managing Members' Truck Working Group at their September and October meetings. The attached briefing materials include detailed information on the Clean Truck Program background and history, as well as information about supportive state and federal funding and legislation that is on the horizon to support zero emission trucking.

#### **D. PROJECT DESCRIPTION**

Based on the scoping report cited above and to achieve the milestone committed to in the NWSA's 2021-2025 Clean Air Implementation Plan, staff recommend establishing a Puget Sound Zero Emission Truck Collaborative, to bring together a wide range of interested and affected parties in the region to guide the transition to zero emission trucking by 2050. The Government Affairs team helped secure \$400,000 of funding from the Washington Department of Transportation to support the formation and facilitation of this Collaborative. Staff negotiated a workplan with WSDOT to use the \$400,000 to bring on a consultant/team to serve as a "backbone organization" for this effort, leading the formation and work of the Collaborative for the next two years. The NWSA will be an active, founding member of the Collaborative. However, given the complexity of the challenge of transitioning to zero-emission drayage trucking – including the number of players and the fragmented approach unfolding currently – we believe that success depends on a collaborative, multi-stakeholder approach that is independently facilitated and guided by the best available information and robust engagement with, and input from, near-port communities, the trucking industry itself, and other key stakeholders.

Scope of Work: The WSDOT funding will support the creation and coordination of the Puget Sound Zero Emission Truck Collaborative. The NWSA will issue an RFP to hire a consulting team who will be responsible for:

- **TASK 1:** Forming the Collaborative
- **TASK 2:** Coordinate and manage regular meetings and workshops
- **TASK 3:** Track communication and records of Collaborative meetings and activities
- **TASK 4:** Compile best available data for current ZE truck information (truck technology, routes, infrastructure needs, electrical loads and fuel requirements). Identify data gaps - where possible Collaborative will guide research or data gathering to fill data gaps.
- **TASK 5:** Support, track, and distill lessons learned from zero-emission truck demonstrations in the Puget Sound region

- **TASK 6:** Produce a summary report of lessons learned from demonstration projects
- **TASK 7:** Lead the development and production of the “Decarbonizing Drayage Roadmap - Path to 2050,” detailing the actions needed to shift trucking in Western Washington to zero-emissions by 2050

Community and Industry Input: The Zero-Emission Truck Collaborative idea emerged from the extensive community and industry engagement undertaken by the NWSA during the development of the updated Northwest Ports Clean Air Strategy in 2020, and the detailed NWSA Clean Air Implementation Plan in 2021. Community and industry partners agreed that the shift to zero-emissions trucking will need to be a regional and statewide effort involving a diverse group of stakeholders. During the WSDOT-funded effort, the Collaborative will work together to develop a roadmap for how to transition drayage trucking to zero-emissions by 2050, with public comment sought through webinars, in-person/online meetings and online surveys for different elements of the roadmap, including charging/fueling infrastructure, financing and business models, and workforce development/training.

**Project Timeline:**

Advertise for Bid	November 2022
Notice of Award	December-January
Convening of initial advisory group	November/December 2022
Convening meeting of full Collaborative	Q1 2023
Establish working groups	Q1 2023
Complete drayage truck fleet trip and parking assessment	Q4 2023
Complete Lessons Learned report from other US and global ZE truck deployments	Q4 2023
Complete regional zero-emission truck infrastructure needs assessment	Q2 2024
Facilitate at least one zero-emission truck demonstration	Q3 2024
Complete Decarbonizing Drayage - Path to 2050 roadmap	Q4 2024

**E. FINANCIAL IMPLICATIONS**

The current Capital Investment Plan (CIP) budget allocates \$440,000 to this project. An additional \$400,000 will be added during the 2023 CIP budget process bringing the total to \$840,000.

The \$400,000 contribution from WSDOT will support the hiring of a contractor to serve as a “backbone organization” for this effort, leading the formation, facilitation, and management of the Puget Sound Zero Emission Truck Collaborative (PS-ZETC), including significant technical analysis and engagement of near-port communities in both harbors and the drayage trucking community. The NWSA also has developed a new \$50,000 Service Level Agreement (SLA) with the Port of Seattle’s Office of Equity, Diversity & Inclusion, under which OEDI will advise NWSA staff and the PS-ZETC on the effective integration of equity goals into this project, to help ensure an equitable transition to zero emission drayage in the NWSA gateway.

Project costs will be expensed as incurred. Grant income of \$400,000 will be recorded as non-operating revenue at the time reimbursement is requested.

**F. ATTACHMENTS TO THIS REQUEST**

- PowerPoint slide presentation.
- Scoping Report: *Making & Managing the Transition to Zero-Emission Drayage Trucking in the Puget Sound Region: Findings & Recommendations*
- WSDOT Project Outline: ZE Truck Collaborative
- Truck Working Group memo – Sep 2022

**G. PREVIOUS ACTIONS OR BRIEFINGS**

<b><u>Date</u></b>	<b><u>Action</u></b>
October 4, 2022	Truck Working Group presentation
September 7, 2022	Truck Working Group presentation