



# Shore power infrastructure

## Position

The NWSA is seeking \$14 million in funding for its Terminal 18 shore power infrastructure project.



Longshore plugging TOTE vessel into shore power

NWSA projects shore power at T-18 would reduce greenhouse gas emissions by 5,215 tons per year. The project would also advance environmental equity by reducing NOx

### Project funding \*

NWSA	\$14.1 million
VW grant	\$ 2.0 million
State (proposed)	\$14.0 million
<b>TOTAL</b>	<b>\$30.1 million</b>

\* These figures utilize current planning estimates and are subject to revision. A basis of design cost estimate is expected in December 2022.

## Background

In 2021, the NWSA updated its Northwest Ports Clean Air Strategy setting the goal to eliminate air and GHG emissions associated with its marine cargo handling operations by 2050. Part of this strategy involves the installation of shore power at its international container terminals. This would allow vessels at berth to shut their engines off and plug into the local electrical grid for their energy needs.

## How does the state benefit?

Shore power at T-18 would have meaningful public health and environmental benefits, reducing air emissions beyond what is required by law. The

and diesel particulate matter emissions in South Seattle. The project location is in a census block that is rated an 8 on a scale of 1 to 10 on the Washington State Environmental Health Disparities Map and is in close proximity to Duwamish Valley Census blocks that are rated 9s and 10s.

Shore power infrastructure, however, is not essential to the operation of the terminal. It is expensive and often does not “pencil out” for the terminal operators without outside capital. It is for this reason, that we are seeking state funds to partner with the alliance in achieving cleaner air.

*“Shorepower is a good candidate for public funding that ensures the project gets done and secures the long-term benefits to residents.”*

*- Clean and Prosperous WA, Washington’s Decisive Decade*

### Contact

Sean Eagan  
Govt. Affairs Director  
(253) 223-5117 (m)  
seagan@nwseaportalliance.com

## What's next?

The NWSA has developed a ten year plan for deploying shore power infrastructure at all of its international container terminals across both harbors.

As part of this strategy, the NWSA is prepared to provide up to half of the funding needed for these investments. Additional revenue from other sources will be needed, however, to make this plan a reality.

	2022	2023	2024	2025	2026	2027	2028	2029	2030
TOTE	Operate								
T-5	Operate								
Husky	Construct		Operate						
T-18	Design		Construct		Operate				
WUT				Design	Construct		Operate		
PCT						Design/ Construct		Operate	
T-30							Design/ Construct		Operate

**10-year plan for shore power infrastructure investments**

## Project supporters

- Alliance for Pioneer Square
- Belltown United
- City of Seattle
- Pacific Merchant Shipping Association
- Port of Seattle
- Seattle Metropolitan Chamber of Commerce
- SODO Business Improvement Area
- SSA Terminals
- Washington Maritime Federation
- Washington Public Ports Association
- West Seattle Chamber of Commerce