

# Northwest Ports Clean Air Strategy

## 2021 Progress report

The vision of the Northwest Ports Clean Air Strategy is to phase out emissions from seaport-related activities by 2050, supporting cleaner air for our local communities and fulfilling our shared responsibility to help limit global temperature rise to 1.5°C

### Key accomplishments in 2021

#### Port of Vancouver

- Funded the testing of low-emission fuels and technologies, including two battery-electric powered terminal tractors
- Installed a new shore power facility and five zero-emission electric rail-mounted gantry cranes at the Centerm container terminal
- Continued to incentivize cleaner and quieter vessels through the EcoAction Program, rewarding over 2,300 vessel calls
- Engaged with port tenants on the expansion of the non-road diesel emissions program to accelerate the retirement of older, higher emission equipment
- Established a multi-stakeholder steering committee in partnership with local residents to conduct a two-year ambient air quality study

#### Port of Seattle

- Accelerated port-wide greenhouse gas reduction targets to net zero or better by 2040
- Adopted the port's first ever comprehensive maritime climate change and air quality plan
- Completed an LED lighting retrofit at the port's World Trade Center North and Central Garage, reducing 132,000 kWh of electricity
- Began a collaborative study of a modular "green hydrogen node" to provide heavy-duty vehicle refueling and grid support
- Continued to reduce at-berth cruise emissions with shore power for cruise ships at 30 of 82 total calls (all berths).

#### Northwest Seaport Alliance (NWSA) and Port of Tacoma

- Completed construction of first shore power berth at Terminal 5 and completed design of shore power at Husky terminal
- Started construction on electric yard truck charging stations at SIM rail yard
- Received a \$780,000 DERA (Diesel Emission Reduction Act) grant from the EPA to encourage truck drivers to scrap their old diesel trucks and purchase newer, cleaner diesel trucks
- Partnered with the University of Washington to host NWSA's first Hershman Sea Grant Fellow
- Following extensive industry and community engagement, developed detailed 5-year Implementation Plans for actions by the NWSA and Port of Tacoma

#### Port of Vancouver

**Key Activities:** Containers, bulk, breakbulk, automobiles, cruise

**Cargo moved:** 145.5 million tonnes

**Terminals:** 29

**Cruise Passengers:** n/a\*

#### Port of Seattle

**Key Activities:** Bulk cargo, commercial and recreational marinas

**Cargo moved:** 4.7 million tonnes

**Terminals:** 3

**Cruise Passengers:** 229,060\*

#### Northwest Seaport Alliance

**Key Activities:** Containers, breakbulk, autos

**Cargo moved:** 27.4 million tonnes

**Terminals:** 12

**Cruise Passengers:** n/a

#### Port of Tacoma

**Key Activities:** Real estate, bulk

**Cargo moved:** 5.4 million tonnes

**Terminals:** 1

**Cruise Passengers:** n/a



\*Cruise season impacted by COVID-19 restrictions