

Sandra Kilroy, Sr. Director, Environment & Sustainability | Port of Seattle

MARITIME DECARBONIZATION AT PORT OF SEATTLE

JUNE 2023



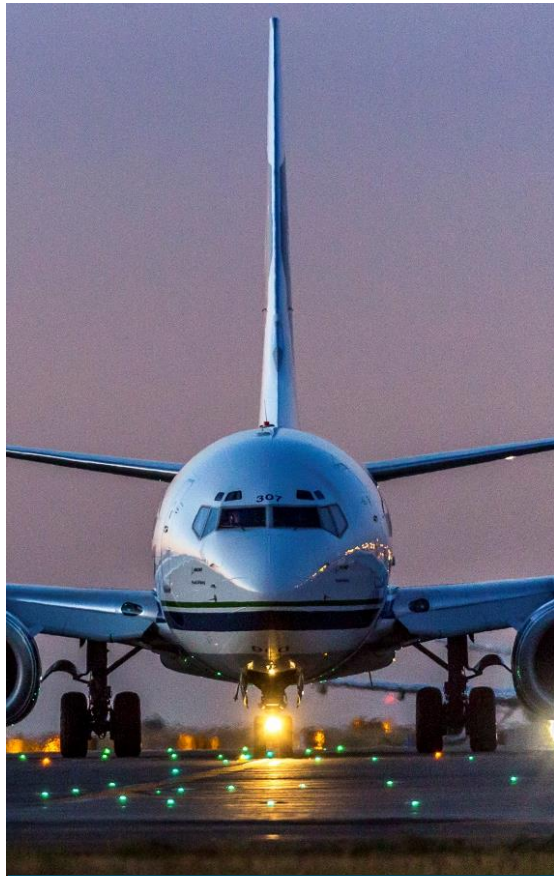
PORT OF SEATTLE

Washington, USA

● SEATTLE



PORT OF SEATTLE | Key Part of Regional Economy



**SEA INTERNATIONAL
AIRPORT**

*11th Busiest Airport
in North America*



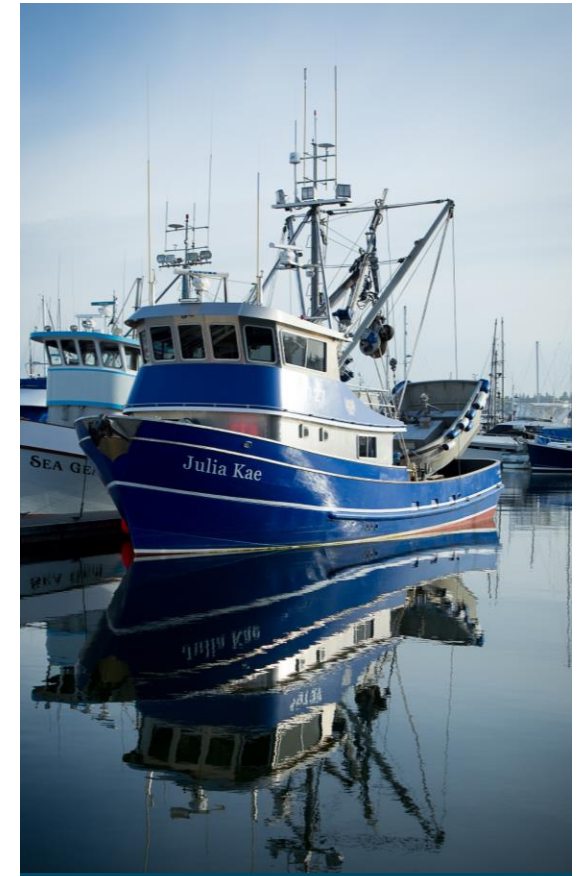
**INTERNATIONAL
CRUISE**

*Largest Cruise Port on
the U.S. West Coast*



**MARITIME CARGO,
CONTAINER, AND BULK**

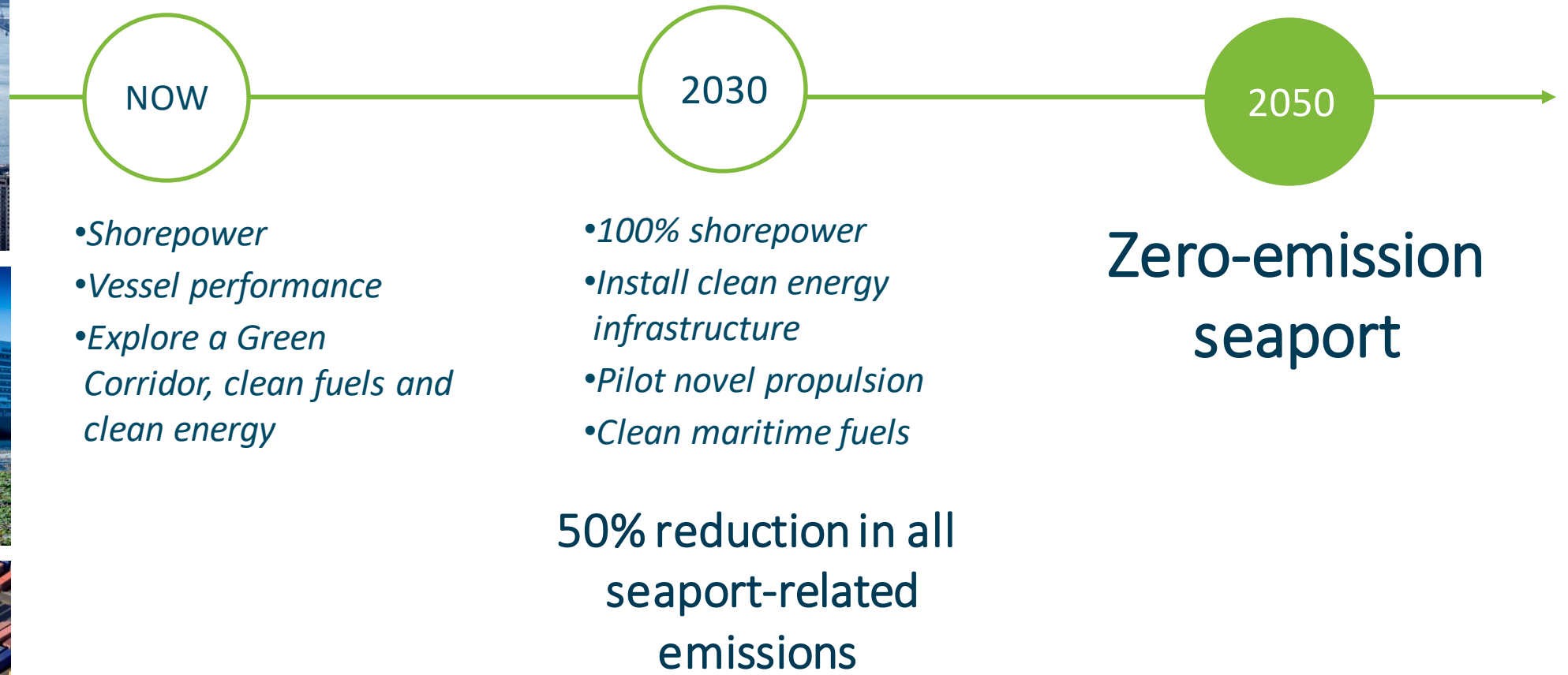
*7th Largest Cargo Gateway
in North America*



**FISHING, BOATING, AND
REAL ESTATE**

*Home of the U.S. North Pacific
Fishing Fleet*

Charting our Course to Zero Toward the Greenest Port in North America





Creating the Environment for Clean Fuels to Succeed

Facilitate and Catalyze:

- Partnerships
- Innovation and Research
- Policies
- Community Support
- Implementation

Reducing At-Berth Emissions with On-Shore Power

Goal: 100% of homeport cruise ships with shorepower connecting by 2030 or sooner.

Terminal 91



Pier 66



Terminal 5



Terminal 30



Terminal 46



Terminal 18



Currently Have Shore Power



Shore Power Being Installed



Future Shore Power Possibilities



Developing a Roadmap for Clean Energy

Electrifying the Waterfront

- City Utility Partnership
- Load Forecasting
- Infrastructure Assessments
- Financing Projects

Maritime Clean Fuels

- Green Hydrogen Hub
- Maritime Fuels Collaborative
- Research
- Storage Feasibility
- Fuel Pathway Development
- Market Economics

Launching Green Corridors for Cruise and Cargo

Pacific Northwest, USA to South Korea



- **Partners: Northwest Seaport Alliance, U.S. Department of Energy and U.S. National Laboratories, Republic of Korea, Busan Port Authority**
- Pre-Feasibility study led by Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping

Pacific Northwest to Alaska



- **14 Corporations, Ports, Governments, NGOs, and Organizations**
- Launching feasibility study

Improving Performance



Long-term lease and berthing agreements



Data sharing



Incentives: e.g. through IAPH
Environmental Ship Index At-Berth Pilot



Thank you!

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Port 
of Seattle®

