HYDROGEN NEEDS FOR PORTS

Heather Tomley, Managing Director of Planning and Environmental Affairs Port of Long Beach

Select Committee on Building a Zero-Carbon Hydrogen Economy

August 6, 2024

WHY HYDROGEN AT SEAPORTS?

Meets zero emission goals

Operationally similar to existing operations

Can work for hard-to-decarbonize equipment

Flexibility

Less cost and disruption to install needed infrastructure

Suitable for a wide range of applications

HYDROGEN APPLICATIONS AT SEAPORTS



POTENTIAL FUTURE HYDROGEN APPLICATIONS AT SEAPORTS

Locomotives

Vessels

Power systems resilience and grid support

Shore-side and dredging power



CHALLENGES WITH THE TRANSITION

High Capital Costs

High Operational Costs

Permitting and Approvals

Early
Accessibility of
Clean Renewable
Fuel

Building
Hydrogen
Experience and
Expertise

Grant Funding Restrictions

