

Abstract

(Session 2) Port Innovation & Sustainability

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The Port of Long Beach has been leading green for 20 years. In 2005, the Port of Long Beach developed and launched its trailblazing Green Port Policy, which has served as a framework for various strategic actions the Port has undertaken to reduce emissions and mitigate the impact of port operations on surrounding communities while increasing cargo capacity. Shortly thereafter, the Green Port Policy evolved into the Clean Air Action Plan (CAAP), which established the most aggressive goals for emissions and carbon reduction of any port in the world.

Since 2006, the Port of Long Beach has collaborated with its neighbor, the Port of Los Angeles, and numerous public and private sector partners to implement the CAAP. The result has been dramatic reductions in diesel particulate matter (-92%), nitrogen oxides (-71%) and sulfur oxides (-98%) during the same time period that container volumes increased by 36%. With the cooperation of our industry, labor and government partners, the Port of Long Beach is now on track to reach zero emissions cargo handling equipment by 2030 and zero emissions trucks by 2035 and remains a global leader in operational excellence and customer service.

As a port authority, the Port of Long Beach's success depends largely on strategic partnerships and collaboration with port stakeholders, including customers and industry, labor, government and community partners. It also requires a steadfast commitment to innovation and sustainability. The transition to zero emissions operations represents a significant part of our quest to build the port of the future, which will be sustainable, resilient, agile, secure and value chain-enhancing. In addition to transitioning to zero emissions operations, the Port of Long Beach is upgrading its physical and digital infrastructure, expanding its rail capacity, densifying and electrifying its terminals, investing in hydrogen production and distribution and catalyzing the generation of renewable offshore wind power to support the State of California.

As the Port of Long Beach continues to transform its operations, it is also investing in workforce development by upskilling and reskilling the workforce for the jobs of the future and collaborating with academic and higher education institutions to create a pipeline and career pathways for port-related jobs. By taking a holistic and collaborative approach, the Port of Long Beach is literally building the port of the future and leading the way in port innovation and sustainability.