

AAPA Environment Committee Survey Results

A survey of AAPA's membership on green infrastructure delivers a clear message: Ports are ambitiously pursuing new projects to mitigate emissions and strengthen resiliency, but they have unmet and technological needs to ensure cargo efficiency improves alongside energy security and environmental protection. These are the top findings:



\$50 billion

of green infrastructure projects are planned at ports over the next ten years, but they need funding assistance from government to make it happen.



Ports are **most interested** in the following of project areas:

- electric cargo handling equipment
- shore power for vessels at berth
- electric grid infrastructure
- hydrogen energy infrastructure



83%

of port authorities have difficulty sourcing equipment and materials for green infrastructure from U.S. manufacturers.



75%

of port authorities have a dedicated environmental services department.



72%

are represented in ports' executive leadership.



\$100 million

is the median cost of a port's electrification plan. Port electrification can be expensive, and ports need government assistance to make improvements.



**AAPA
POWERS
PROGRAM**

PORT OPPORTUNITIES WITH
ENERGY, RESILIENCE
AND SUSTAINABILITY

83%

of respondents have published an environmental plan.



Scan to learn more about innovative port projects and the POWERS program:



58%

have begun studying projects to serve vessels with alternative fuels, including hydrogen, LNG, and ammonia, and hydrogen.



This shows that alternative fuels represent a huge economic growth opportunity for the country.



63%

of ports have completed projects to electrify terminal equipment and fleet vehicles. **Electrification of land-side equipment represents the most common type of electrification project.**