



Port of
LONG BEACH
The Green Port

Clean Air Action Plan

A Comprehensive Approach

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CAAP Strategies

Trucks

Vessels

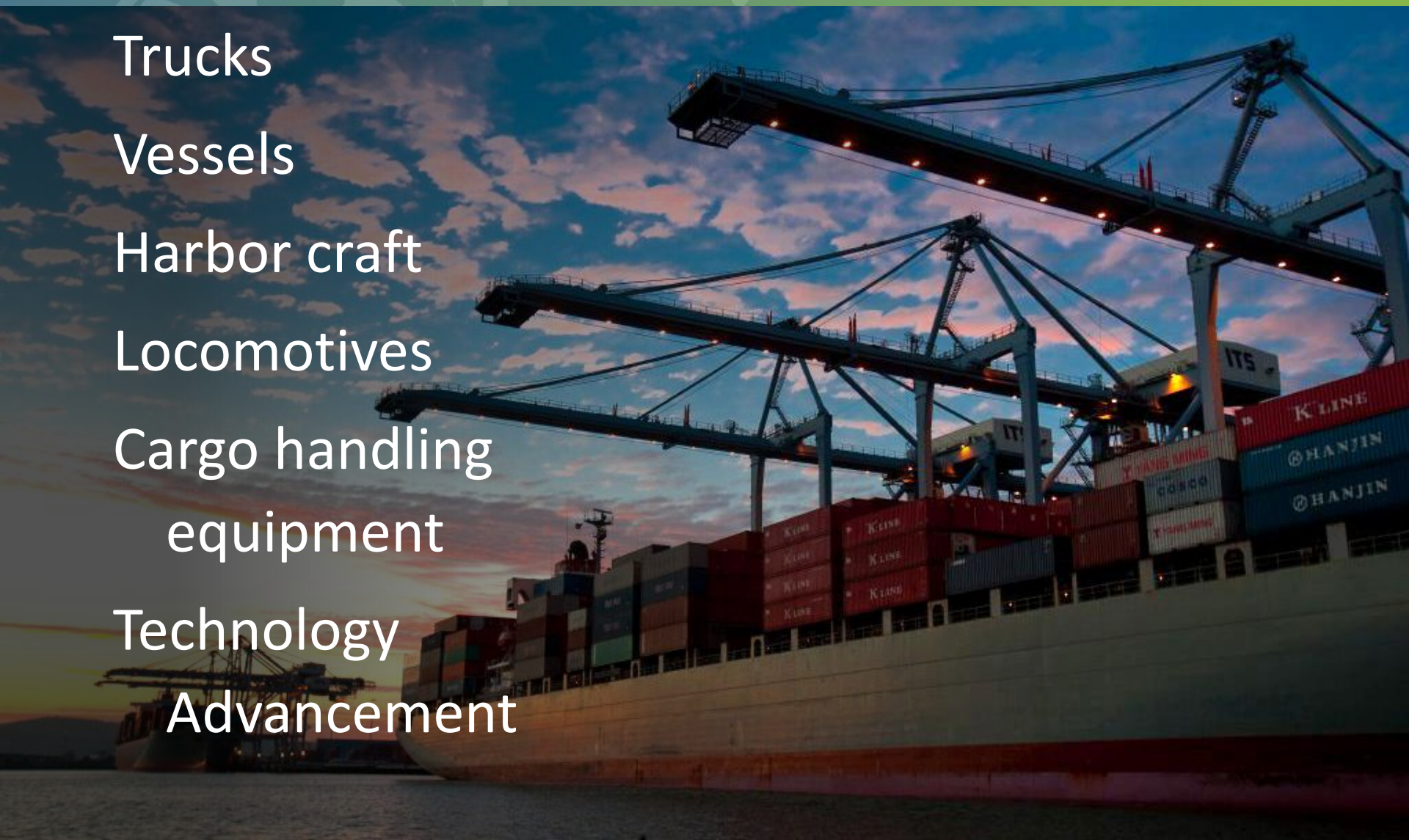
Harbor craft

Locomotives

Cargo handling
equipment

Technology

Advancement



Clean Trucks Program

Progressive ban on
“dirty” trucks

Over 90% of truck
calls meet clean
truck standards

Over 80% emissions
reduction



Major Vessel Programs



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Vessel Speed
Reduction

Shore Power



Technology Advancement

Formalized in 2007

Advisory Committee
established

Awarded over \$7.5M
to date on 18
projects



CAAP Goals

Reduce Emissions

2014: 72% DPM

22% NO_x

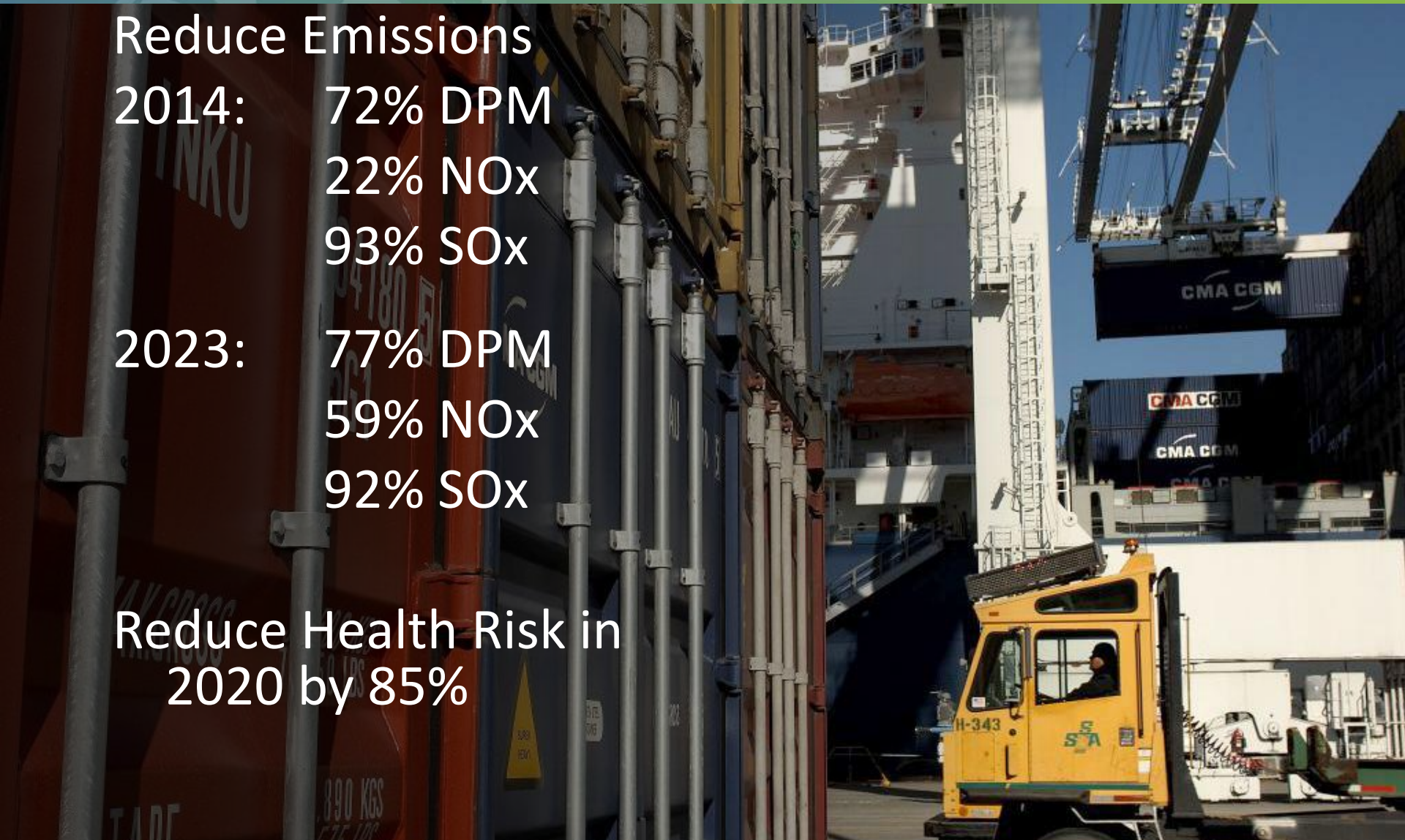
93% SO_x

2023: 77% DPM

59% NO_x

92% SO_x

Reduce Health Risk in
2020 by 85%



CAAP Progress To Date



Diesel PM down 52%

Nitrogen Oxides down 35%

Sulfur Oxides down 46%

Thank You



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