#### **ENVIRONMENT CONSIDERATIONS**

IN TERMINAL DEVELOPMENT AND OPERATIONS

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AMERICAN ASSOCIATION OF PORT AUTHORITIES
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# SUSTAINABILITY WATER GREEN PORT TY POLICY SEDIMENTS

**COMMUNITY ENGAGEMENT** 

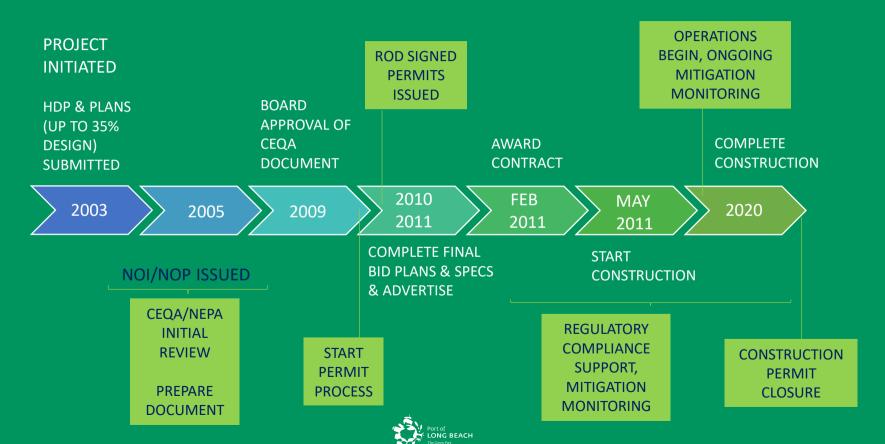
**SOIL** 

ATR

WILDLIFE



#### DEVELOPMENT PROJECT SEQUENCE





## CLIMATE CHANGE

PLAN FOR ADAPTATION AND RESILIENCE



## WATER & SEDIMENT

IMPROVE WATER QUALITY; BENEFICIALLY REUSE SEDIMENTS

#### WATER RESOURCES ACTION PLAN



PREVENT PORT
OPERATIONS
FROM
DEGRADING
WATER &
SEDIMENTS

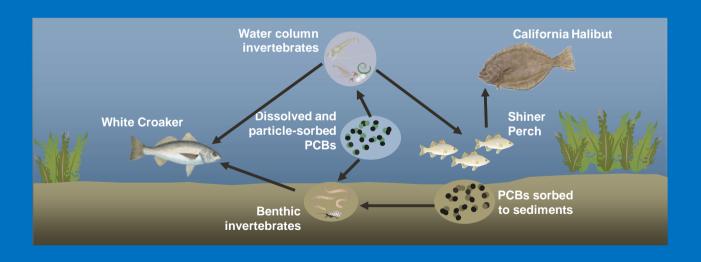


**SUPPORT** BENEFICIAL USES OF WATER & **SEDIMENTS BY ADDRESSING IMPACTS OF OPERATIONS** – PAST, PRESENT AND FUTURE



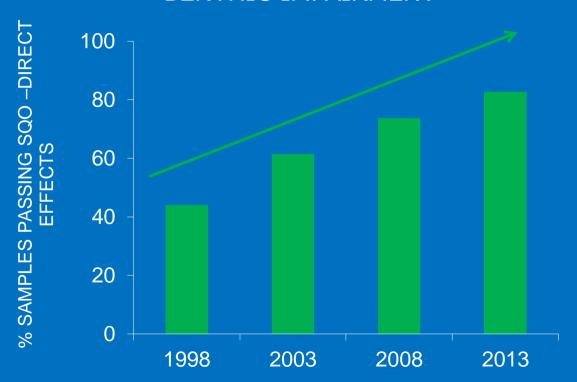
#### TOTAL MAXIMUM DAILY LOAD

REMOVE LEGACY CONTAMINATES FROM FISH TISSUES



### SEDIMENT QUALITY OBJECTIVES

REDUCE CHEMICAL CONCENTRATION, TOXICITY, BENTHIC IMPAIRMENT



## LANDFILL

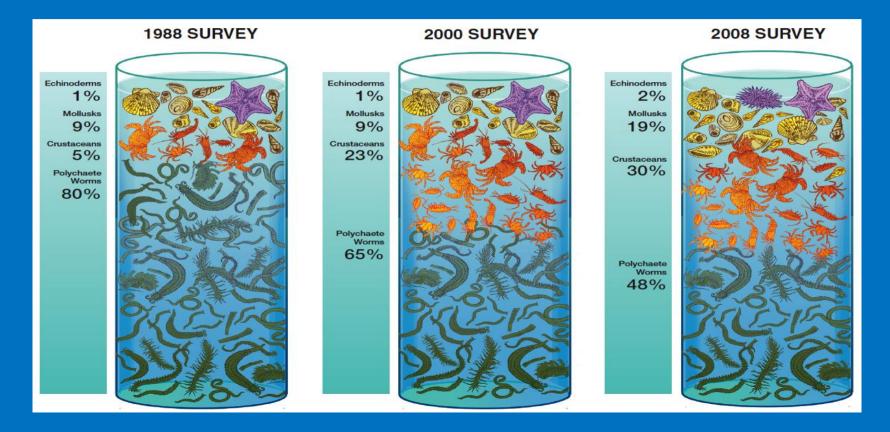
ACCOMMODATE DREDGE MATERIALS, REGIONAL SEDIMENTS



## WILDLIFE

INCREASE DIVERSITY, POPULATION OF SPECIES

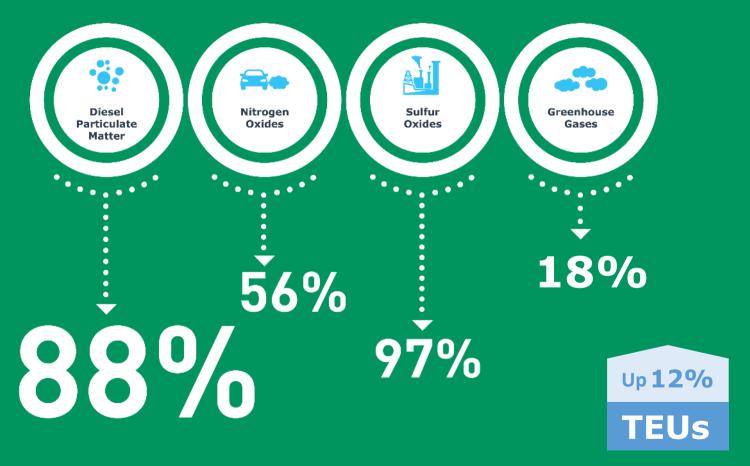
#### SAN PEDRO BAY BIOLOGICAL SURVEY

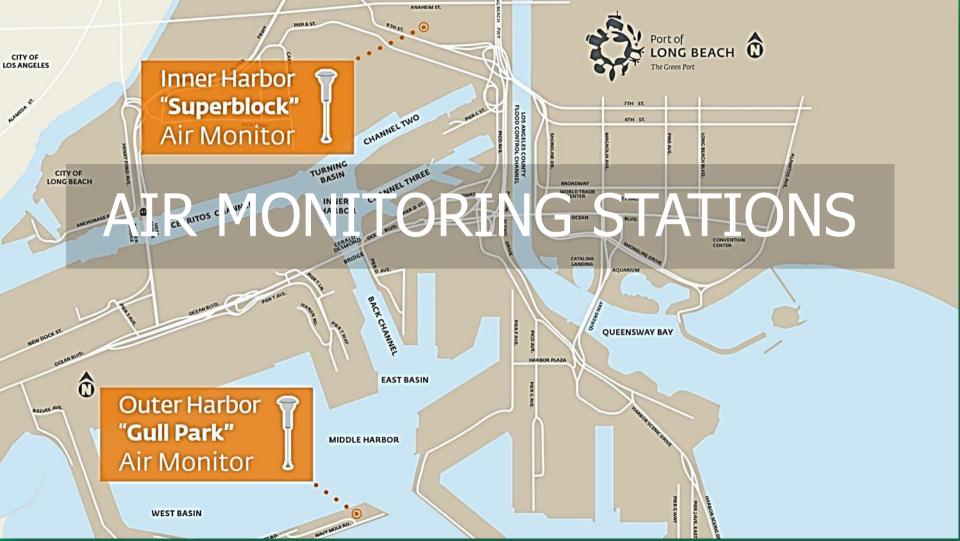


## AIR QUALITY

DECREASE EMISSIONS FROM PORT OPERATIONS

















# CLEAN AIR ACTION PLAN





**REDUCE** 

40%

Greenhouse Gases Goal by **2050** 

REDUCE

80%





## 2035

**ALL PORT TRUCKS** 

## ZERO EMISSIONS





### 'GOAL ZERO' CHALLENGES

EMERGING TECHNOLOGIES; TOUGH DUTY CYCLES; LIMITED INFRASTRUCTURE; HIGH COSTS



ESTABLISHED GOALS; MORE INCENTIVE DOLLARS; INCREASING INTEREST; PARTNERSHIPS

## ROADMAP TO ZERO

DEMONSTRATION PROJECTS; FEASIBILITY EVALUATION

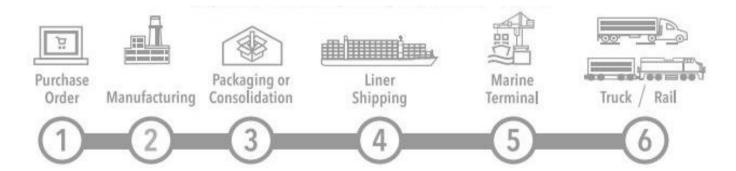


## ENERGY RESILIENCY

RELIABILITY, COST-COMPETITIVE AND GREEN

#### GE TRANSPORTATION

Delivering cloud-based cargo data insights







## COMMUNITY GRANTS

MITIGATING NEGATIVE IMPACTS ON THE COMMUNITY

### THANK YOU







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