THE GREENING OF THE PORT

LORI ANN GUZMÁN
PRESIDENT
LONG BEACH BOARD OF HARBOR COMMISSIONERS
PORT OF LONG BEACH
LEADING GATEWAY FOR U.S.-ASIA TRADE
$180 BILLION IN CARGO
SUPPORTING 30,000 LONG BEACH JOBS
TRADE AND TRANSPORTATION HUB
SHIPS, TRUCKS, TRAINS AND CRANES
GREEN PORT POLICY
PRINCIPLES

PROTECT THE COMMUNITY

DISTINGUISH PORT AS ENVIRONMENTAL LEADER

PROMOTE SUSTAINABILITY

EMPLOY BEST TECHNOLOGY

ENGAGE AND EDUCATE
FOCUS AREAS

AIR QUALITY
WATER AND SEDIMENTS
WILDLIFE
SOIL
SUSTAINABILITY
COMMUNITY ENGAGEMENT
AIR QUALITY

CLEAN AIR ACTION PLAN
CLEAN TRUCKS PROGRAM

REPLACE ENTIRE FLEET WITH LOW-EMISSION VEHICLES
ON-DOCK RAIL
UPGRADE SUPPORT FACILITIES
ONE TRAIN = 750 Truck trips eliminated by one double-stacked on-dock train
CLEANER SHIPS
GREEN FLAGS, LOW-SULFUR FUEL, SHORE POWER
GREEN FLAGS
LOWER SPEEDS, LOWER EMISSIONS
SHORE POWER
SHIPS PLUG INTO ELECTRICAL GRID
TECHNOLOGY ADVANCEMENT

FUEL CELL TRUCKS, HYBRID TUGS
CLEAN AIR ACTION PLAN
UPDATING STRATEGIES FOR THE COMING DECADE

- Sulfur Oxides: 97%
- Diesel Particulate Matter: 84%
- Nitrogen Oxides: 48%
- Greenhouse Gases: 14%
WATER & SEDIMENT QUALITY

WATER RESOURCES ACTION PLAN
ABUNDANT HARBOR

60% MORE PLANTS AND ANIMALS
COMMUNITY GRANTS
HEALTH EDUCATION, AIR FILTERS, TREE PLANTINGS.
MIDDLE HARBOR TERMINAL

WORLD’S GREENEST, NEAR ZERO EMISSIONS
DRIVERLESS VEHICLES

REMOTE CONTROLLED, ELECTRIC POWERED
HELPING LONG BEACH TO PROSPER AND THRIVE
ON TRACK FOR TOMORROW!