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Environmental Lease Requirements

Gail Wasil

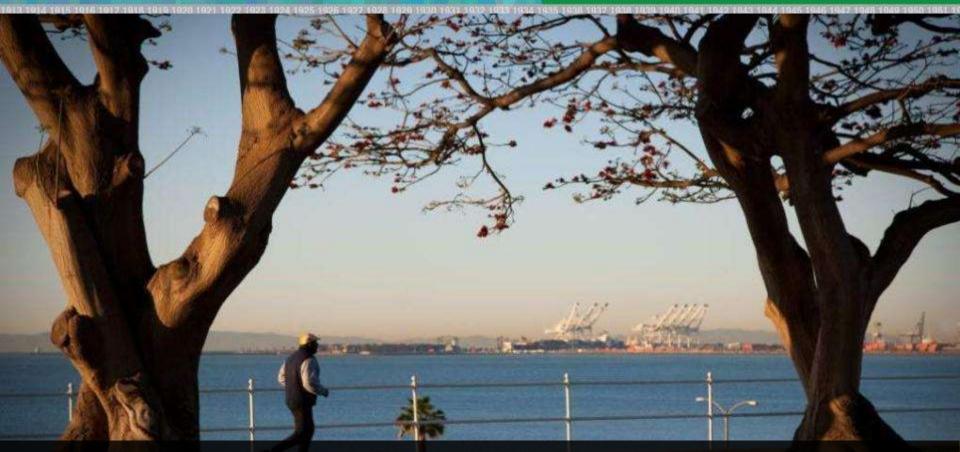
Assistant Director of Real Estate

1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966



Why go "green"?





Port can only move ahead with its projects with the support of the operators, community and political leaders

Green Port Policy



- Protect the community from negative Port impacts
- Distinguish Port as environmental leader
- Promote sustainability
- Employ best available technology
- Engage and educate the community about the Port



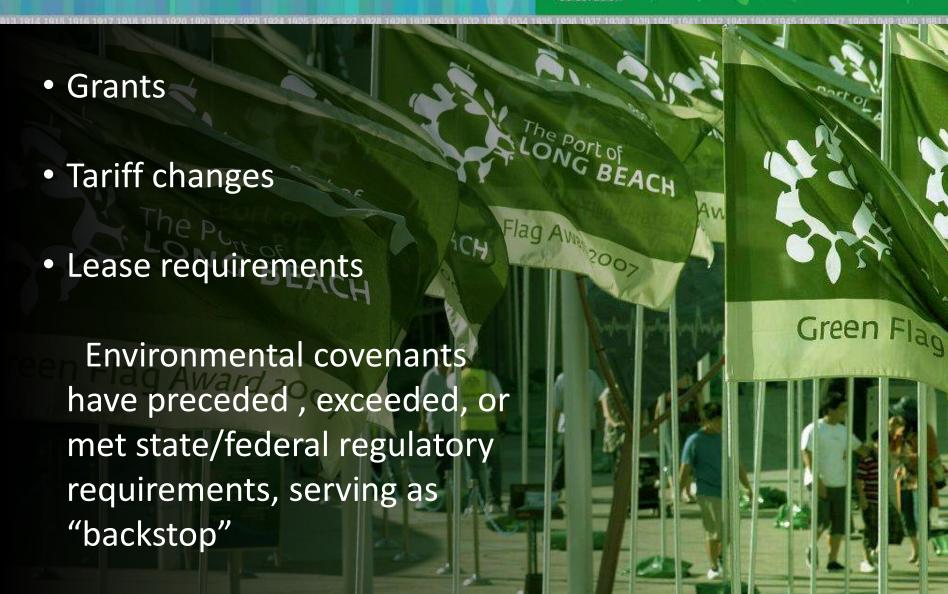
Clean Air Action Plan



- Groundbreaking plan to significantly reduce air pollution and health risk
- Strategies targeting reductions from all port sources: ships, trucks, trains
- Developed jointly with Port of Los Angeles, in cooperation with EPA, CARB and AQMD

Implementation





Vessel Speed Reduction



12 knots – Reducing speed on arrival and departure to cut emissions

25% - Dockage discount for participation to 40 nm

97% - Participation to 20 nm

82% - Participation to 40 nm



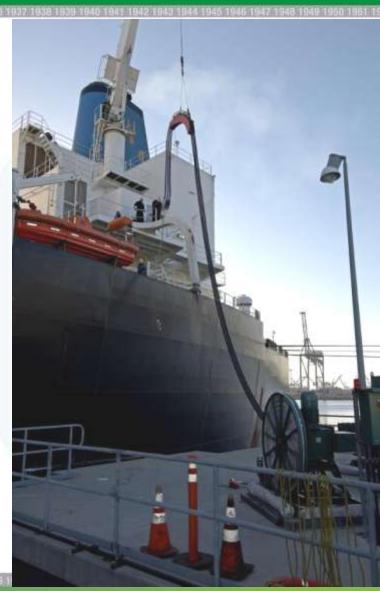
At-Berth Emission Reduction



100% - goal for shore power facilities at all container terminals, cruise ship terminals and selected crude terminals

2014 – by this date, half of container ships must use shore power

2020 – by this date, 80% of container ships must use shore power



Cleaner Vessel Fuels



2008 - Port incentive to use low-sulfur fuels (≤0.2%)

2009 – State requires ≤0.2% sulfur fuels for all vessel engines within 24 nm

2012 – State requires ≤0.1% sulfur fuel within 24 nm

2015 – State requires ≤0.1% sulfur fuel within 200 nm

80% - Reduction in vessel particulate matter emissions



Cargo-Handling Equipment



2007 - New purchases must meet cleaner standards

2010 – 2014 - Replacement requirements for existing equipment



Other Strategies

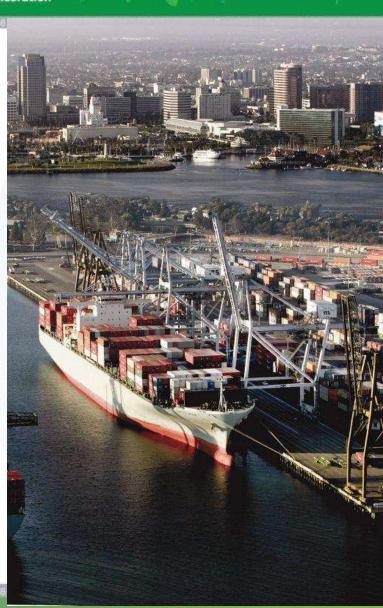


LEED Buildings

 Encourage deployment of retrofitted ships to our Port

Five Year Re-Opener

 Participation in Demonstration Projects



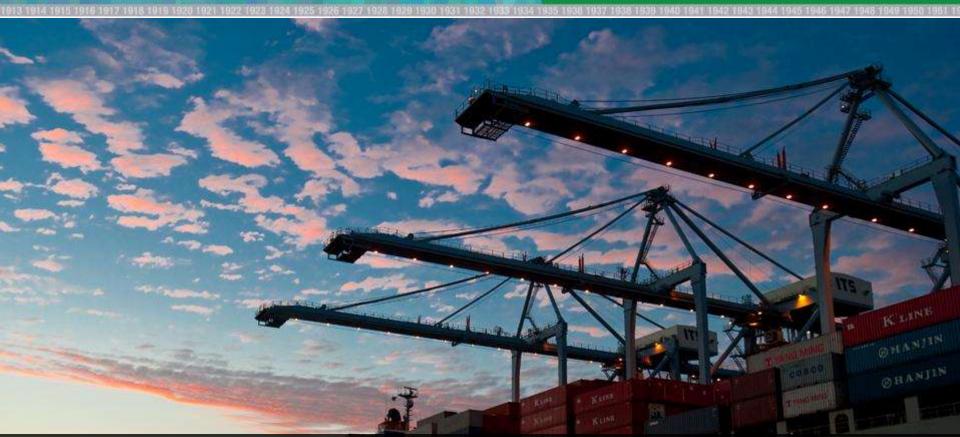
Lessons Learned





Lessons Learned

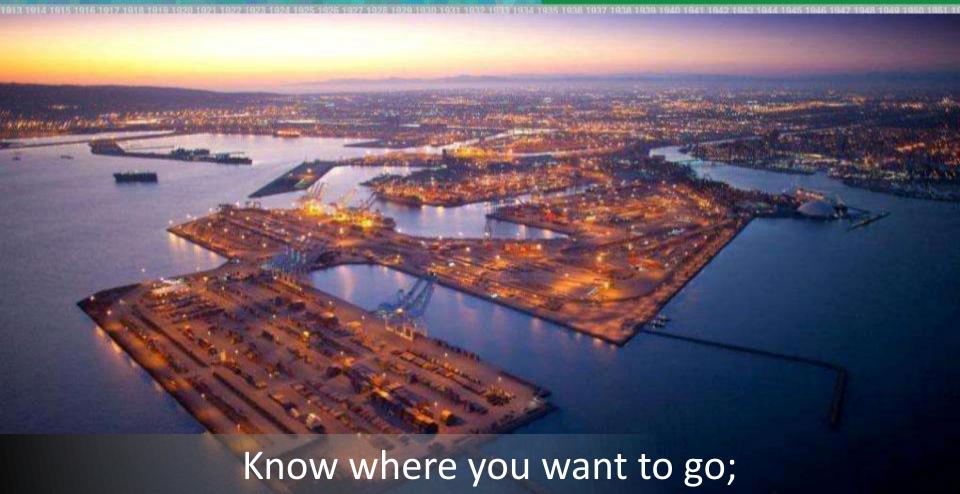




Understand tenant's operations;
Understand the financial implications of environmental requirements

Lessons Learned





But be flexible as to how you get there