

An aerial photograph of a coastal city, likely San Francisco, showing the Golden Gate Bridge and the city skyline across the water. The image is slightly faded to serve as a background for the text.

Ports and the Coastal Environment

Discussion of Issues
Regional SG Meeting
March 13, 2007

Air Quality

- Proximity to urban areas
- Common sources: Marine vessels, tugboats, land-based cargo-handling equipment, trucks, and trains
- Main concerns: PM, NOx, and Sox
- LA/LB have plan to reduce emissions below 2001 levels, even as volume grows
 - vessel speed reduction incentives and port-mandated fuel requirements
 - eliminate “dirty” diesel trucks
 - shore-side electricity

Air Quality Index (AQI) Values	Levels of Health Concern
<i>When the AQI is in this range:</i>	<i>...air quality conditions are:</i>
0 to 50	Good
51 to 100	Moderate
101 to 150	Unhealthy for Sensitive Groups
151 to 200	Unhealthy
201 to 300	Very Unhealthy
301 to 500	Hazardous

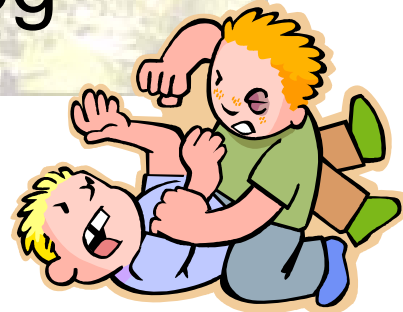
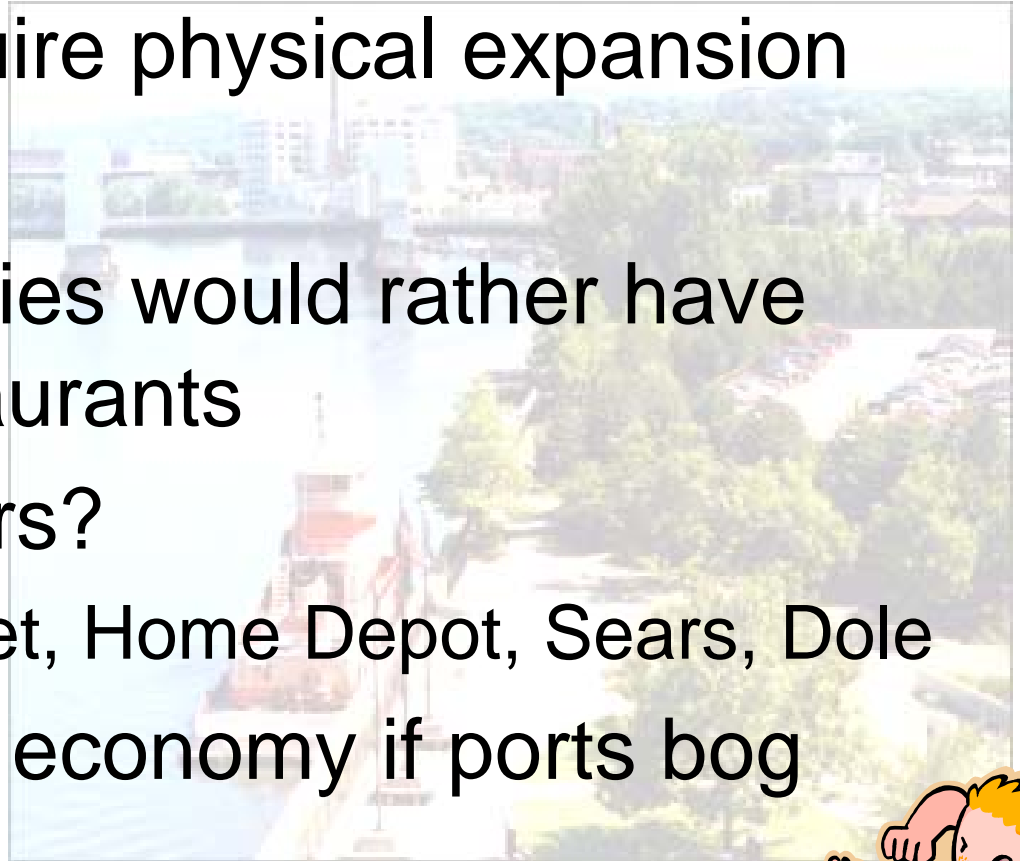
Air Quality

- Port of Houston tackling issue
 - ultra-low and low emission vehicles made significant reductions in emissions
 - Established EMS & received IMO 14001 Certification

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Competing Demands for the Waterfront

- Many ports require physical expansion
- Brownfields?
- Many communities would rather have stores and restaurants
- Largest importers?
 - Wal-Mart, Target, Home Depot, Sears, Dole
- Real cost to the economy if ports bog down

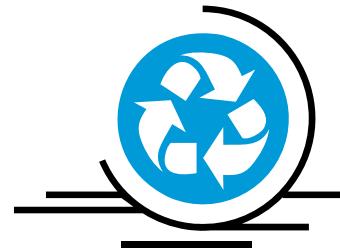


Sustainability--Wide Range of Issues



Sustainability

- Increase in costs affect competitiveness
- Must focus on efficiency—demand quality
- Environment
 - Management of estuaries
 - All forms of pollution at ports
 - Managing ecology and habitat
 - Management of chemicals in or near water environments
 - Oil discharge prevention and response
 - Dredging and sediment removal including its disposal
 - Management of ports and marinas and vessels
 - Management of waste from vessels
 - Loading and unloading of ships
 - Ballast water and hull fouling and cleaning.
 - Safety of ships and the people living around harbors



Sustainability

- Vessel Safety
 - Collisions are disastrous

