

**California & the World Ocean '06
Long Beach California
September 19, 2006**

**The Nation's Maritime Industries:
A Glorious Past.
An Uncertain Future**

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Senate Transportation Subcommittee
On California Ports and Goods Movement**

AB 2043 (Lowenthal)

Requested CALMITSAC to:

- Submit a report to the Legislature, including recommendations on methods to better manage the growth of ports and address the environmental impacts of moving goods through those ports.



California's Public Ports

Humboldt Bay

Richmond
San Francisco
Sacramento
Stockton
Oakland
Redwood City

Hueneme

Los Angeles Long Beach

San Diego



California's Public Ports

Southern California:

Los Angeles

Long Beach

Hueneme

San Diego

Northern California:

Humboldt Bay

Oakland

San Francisco

Redwood City

Richmond

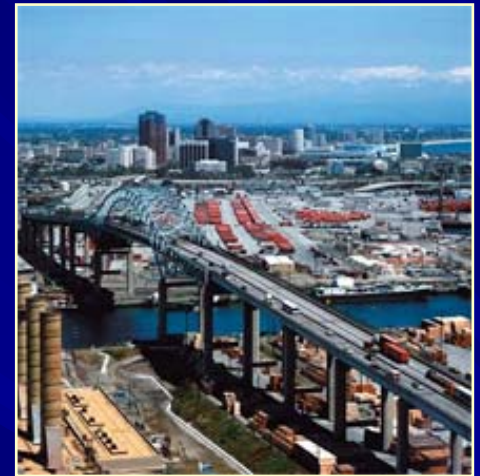
Central California:

Sacramento

Stockton

CALMITSAC Interim Report Topics

- Public health issues
- Ocean Stewardship
- Port infrastructure
- Environmental enhancements
- Port and maritime security
- Funding
- Project delivery
- Economic effects of goods movement
- Role of California universities



Impact of International Trade Through California Ports

Northwest

Trade value: \$2.2B

Jobs: 24,000

Great Plains

Trade value: \$8.6B

Jobs: 111,300

Great Lakes

Trade value: \$25.0B

Jobs: 283,500

Atlantic Seaboard

Trade value: \$34.3B

Jobs: 265,600

Southwest

Trade value: \$97.9B

Jobs: 1,003,600

South Central

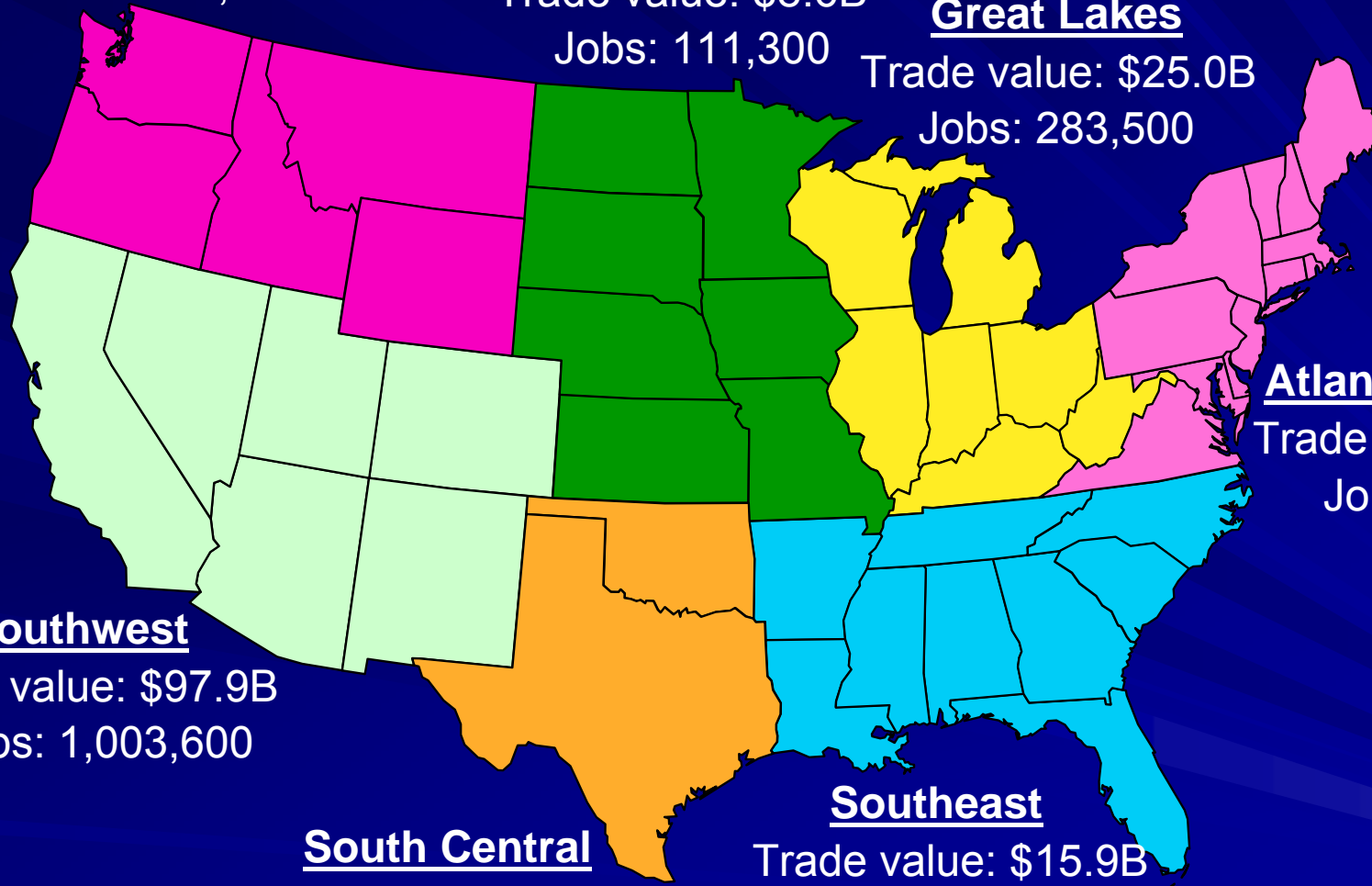
Trade value: \$12.1B

Jobs: 141,000

Southeast

Trade value: \$15.9B

Jobs: 191,500



Public Health Imperative: Reducing Port-Related Air Pollution

- Majority of emissions are from mobile sources, including ships.
- Goods movement is a key contributor to air pollution and disease.
- Diesel PM: a toxic air contaminant
- Without new control strategies, more cargo means more pollution.

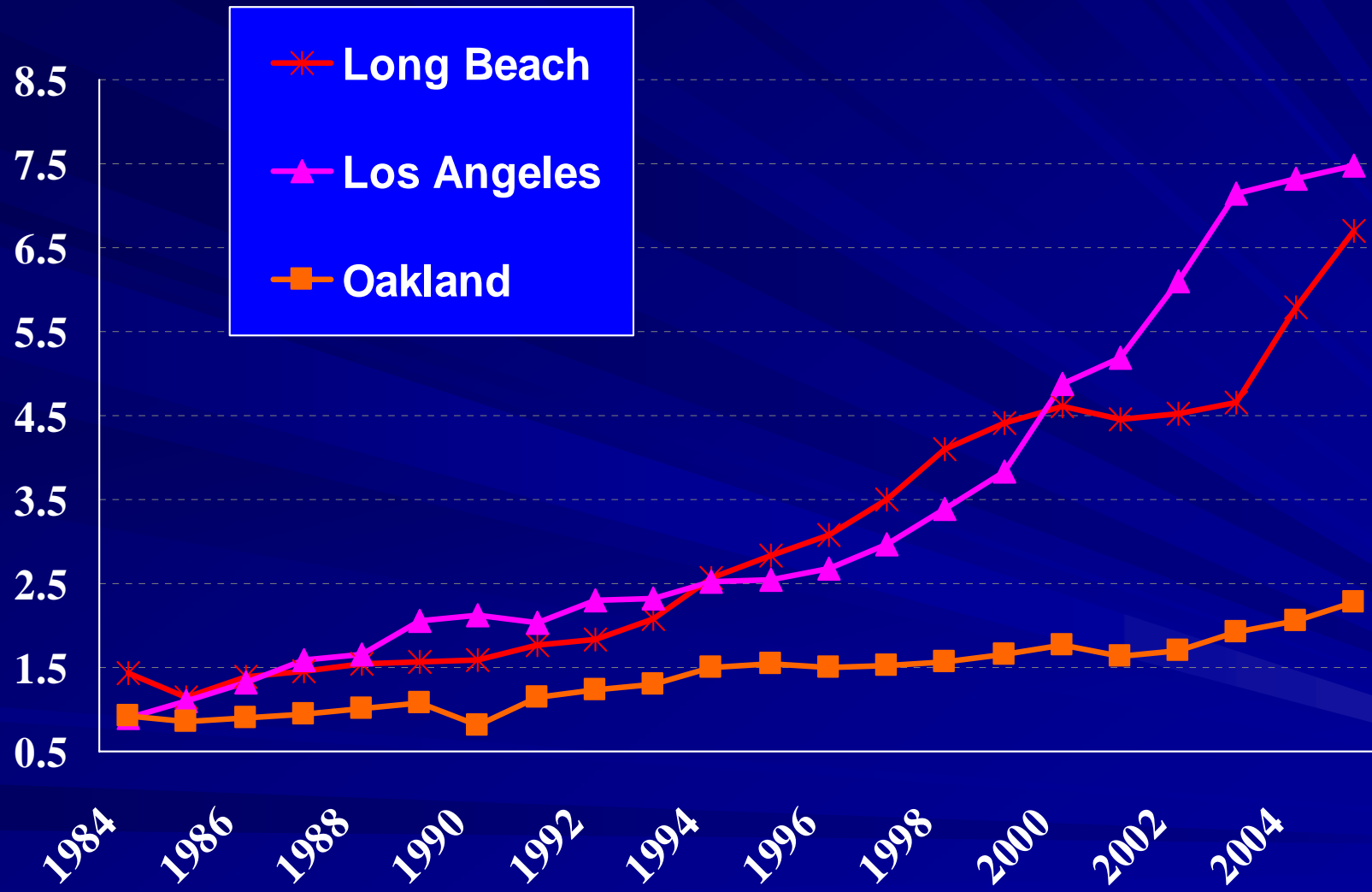


Environmental Enhancements

- The Ports of Long Beach and Los Angeles Clean Air Action Plan
- The Port of Oakland's Vision 2000 Maritime Development Program
- The State Goods Movement Action Plan and the California Air Resources Board Emission Reduction Plan



Container Traffic at California Ports 1984-2005 (Millions of TEUs)



“Can’t divert our way out”

Cargo Projections in Millions of TEUs

	San Pedro Bay Ports	Port of Oakland
2005 actual	14.2	2.2
2010	19.7	2.7
2020	36.0	4.2
2030	42.5	6.5

Major Port Infrastructure With Underutilized Capacity

- 11 ports statewide (Major stresses at 3 largest ports: Oakland, LA, Long Beach)
- Statewide perspective is essential
- Putting interlocking pieces of the puzzle together in one plan



Port and Maritime Security

Systems offer improved security:

- Perimeter security
- Surveillance
- Radiation portals
- Gamma ray scanning (VACIS)



But:

- Shortage of federal funding
- Lack of systems standardization and integration (e.g., e-seals radio frequency)
- Need rapid implementation of Automated Secure Vessel Tracking System (ASVTS)
- Need survey of vulnerabilities

Mobilizing for Action

- Build consensus for a unified message
- Involve key decision makers and allocate resources
- Assess capacities and potential for expanded utilization of existing facilities
- Use sound strategic thinking in providing multiple uses for ocean offshore activities.
- Harness new technologies from California, U.S., and abroad
- Form public-private partnerships



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