

#### **Main Differences in Business Models**

#### **USA PCC**

- Foreign enclave
  - Managed by its principal user
  - Responded to US interests
  - Non-profitable agency
  - **Budget administration**
  - **Ample capacity**
  - Near monopoly

#### PANAMA ACP

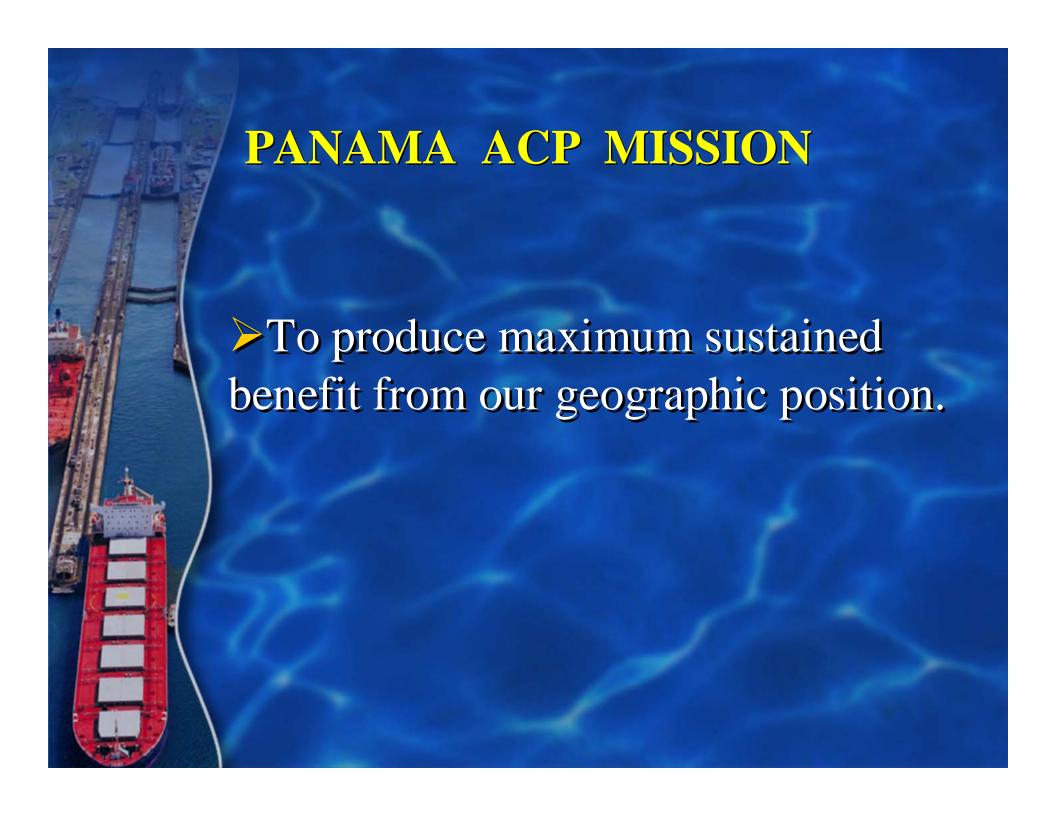
- Inalienable patrimony of the Republic of Panama
- Administered by its owners
- Profitable and competitive enterprise
- Resource Management
- Operates near capacity
- Faces increase competition

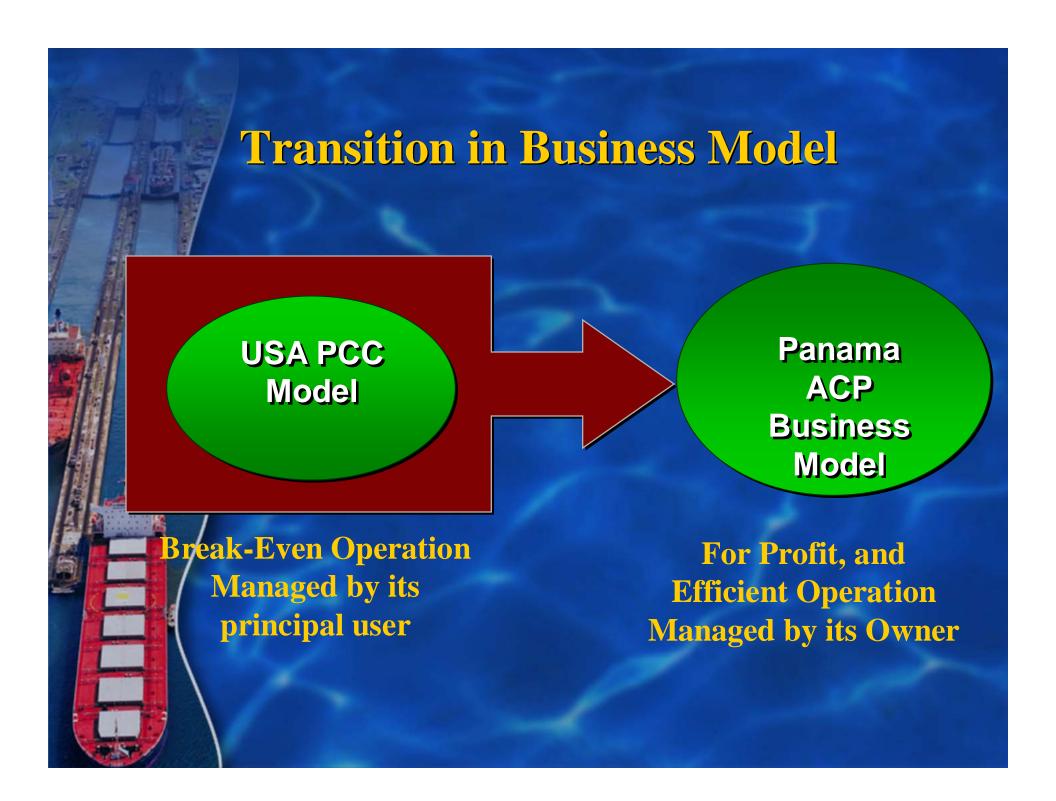


Ensure the safe and efficient operation of the Canal;

Take all appropriate steps to achieve a seamless transition to Panamanian control of the Canal on December 31, 1999.

**September 7, 1977 - December 31, 1999** 





#### **ACP Panama Canal Business Model**

#### The Legal structure is based on:

- > The Constitution of the Republic of Panama
- The Organic Law of the Panama Canal Authority
- > ACP regulations.

#### Some of the key elements of the Canal Business Model are:

- The Canal constitutes an inalienable patrimony of the Panamanian Nation.
  - The Canal has to be efficient and profitable
  - The Canal has its own patrimony and the right to manage it.
- Special employment regime based on the principles of merit and equal opportunity.
- Special procurement and contracting regime.
- Code of Ethics and Conduct.
- Special procedure for dispute resolution.
  - Strikes are prohibited.

# Panama Canal ACP Business Model

The Canal's current legal framework changes the business philosophy to one oriented to enhance the value of the route by providing a safe, reliable and efficient service to its customers while generating a return to its owner, The Republic of Panama.

# Panama Canal Change in Business Model Historical Background

2000 - Change in the reservation system rules

**2002** – Tolls are modified for the first time under Panamanian administration.

Differentiated market segment by type of vessel

is established.

Dry bulk carriers

**Container ships** 

Liquid bulk

Refrigerated cargo

**Vehicle carriers** 

Passenger ships

General cargo

Others











# Panama Canal Change in Business Model Historical Background

2005 – Change in the admeasurement system of container vessels. The phased-in implementation over three years, is as follows:

May 2005 \$42 per TEU.

May 2006 \$49 per TEU.

May 2007 \$54 per TEU.

April 2006 – Implementation of a daily reservation slot made available through an auction process to the best bidder.

# 2007 - Proposal to Modify the Regulations for the Admeasurement of Vessels for the Panama Canal and the Panama Canal Tolls

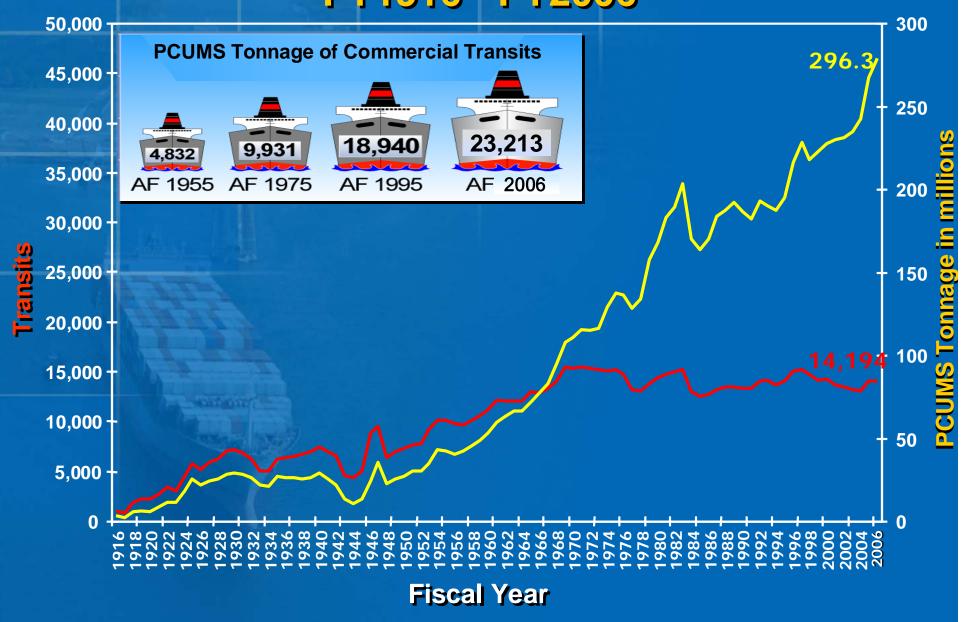
The proposal announced on February 2 includes:

Administrative changes in the admeasurement Rules

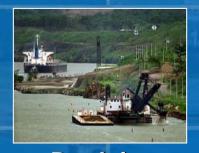
New admeasurement method for passenger ships

Toll adjustment by segment

# Transits vs. PCUMS Tonnage FY1916 - FY2006



# CAPITAL INVESTMENT



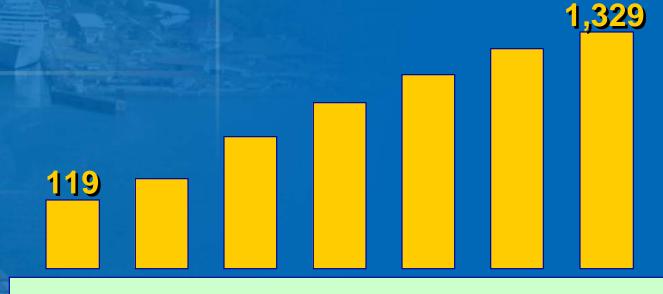
**Dredging** 



Locomotives



**Hydraulic Conversion** 





2002

2001



2000

**Technology** 



2003

2004

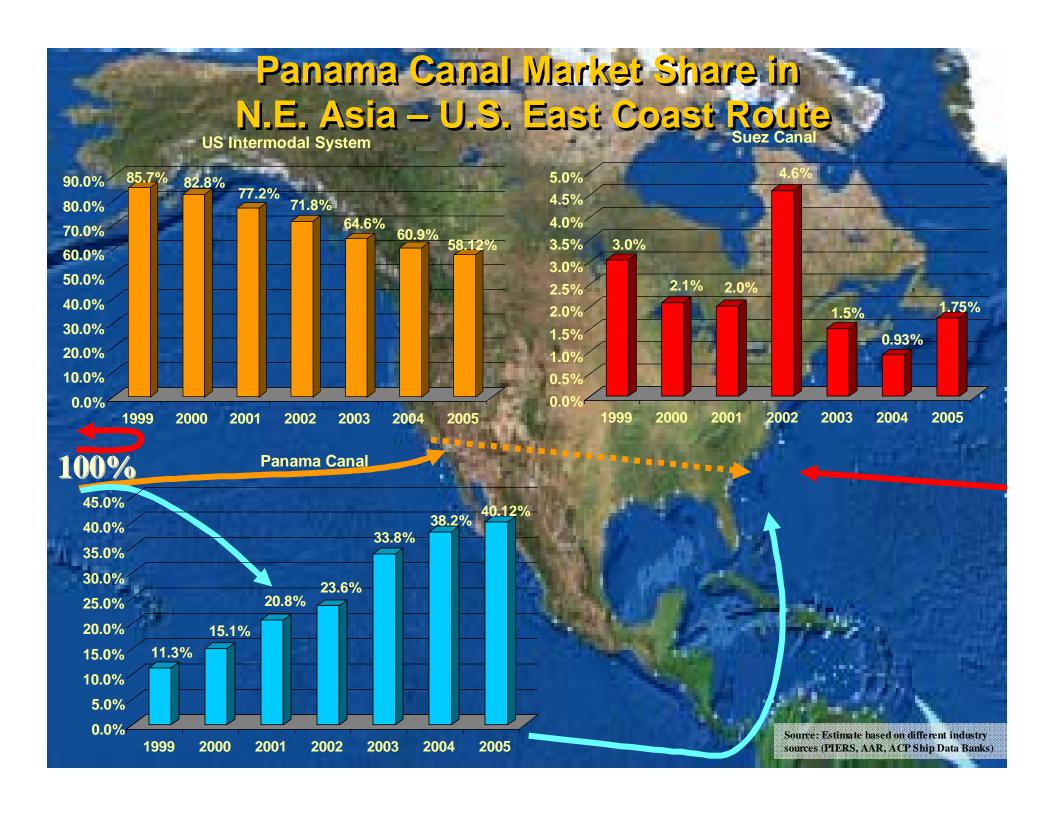
**Track system** 



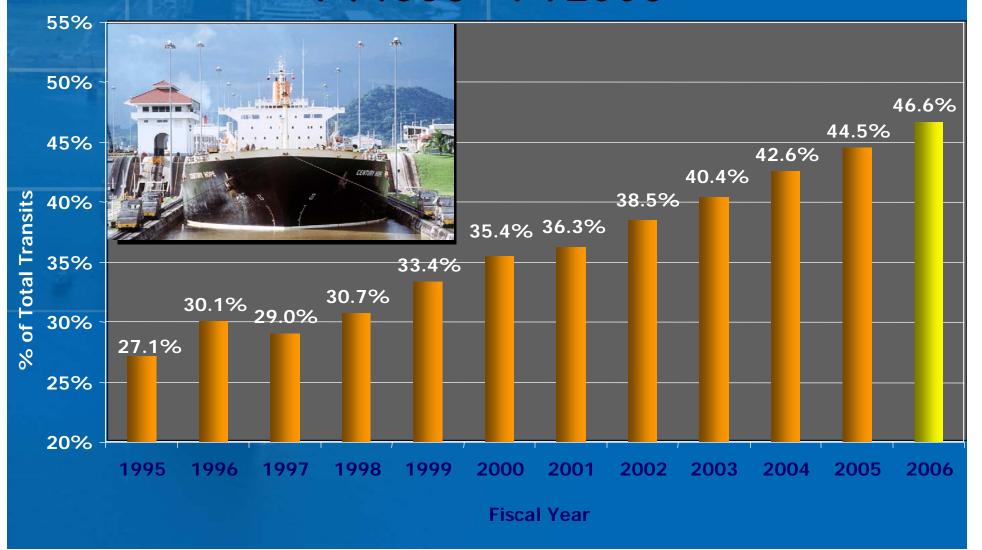
2006

2005

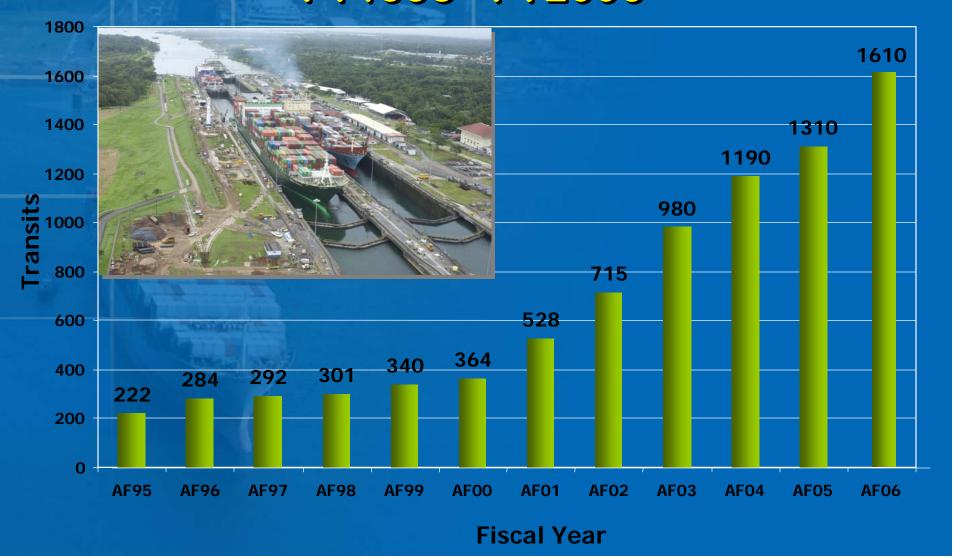
**Tug Boats** 



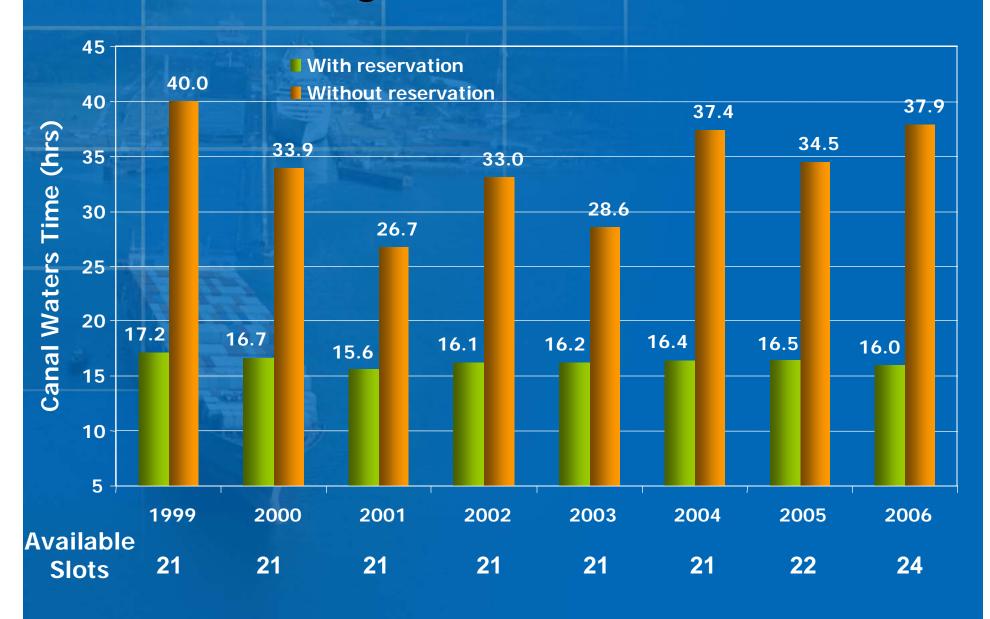
## Growth of Panamax Vessel Transits 100' (30.5m) + Beam FY1995 - FY2006



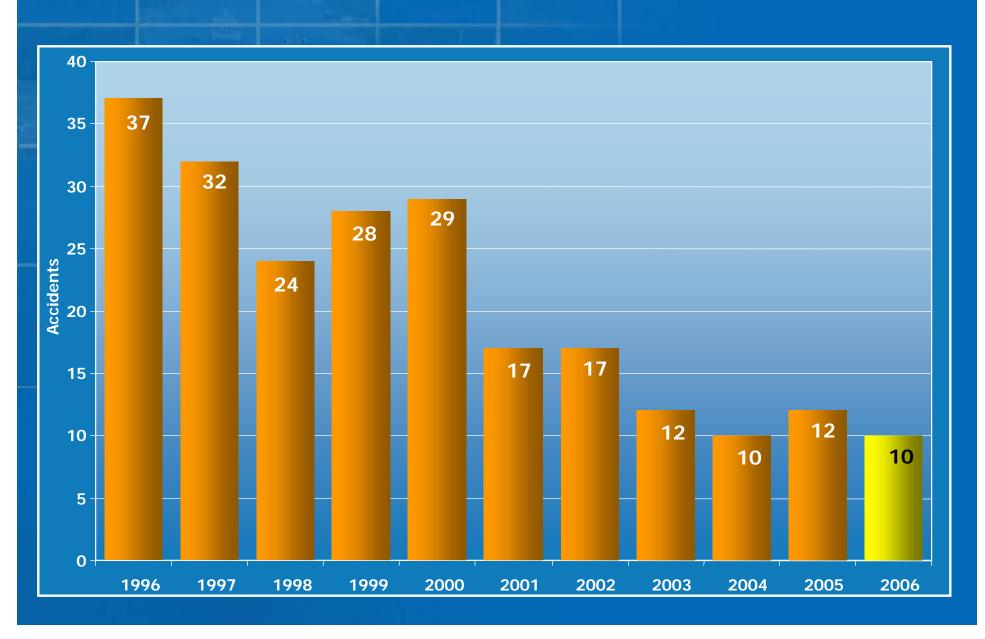
# Growth in Transits of Vessels >900'(274.3m) Overall Length FY1995 - FY2006



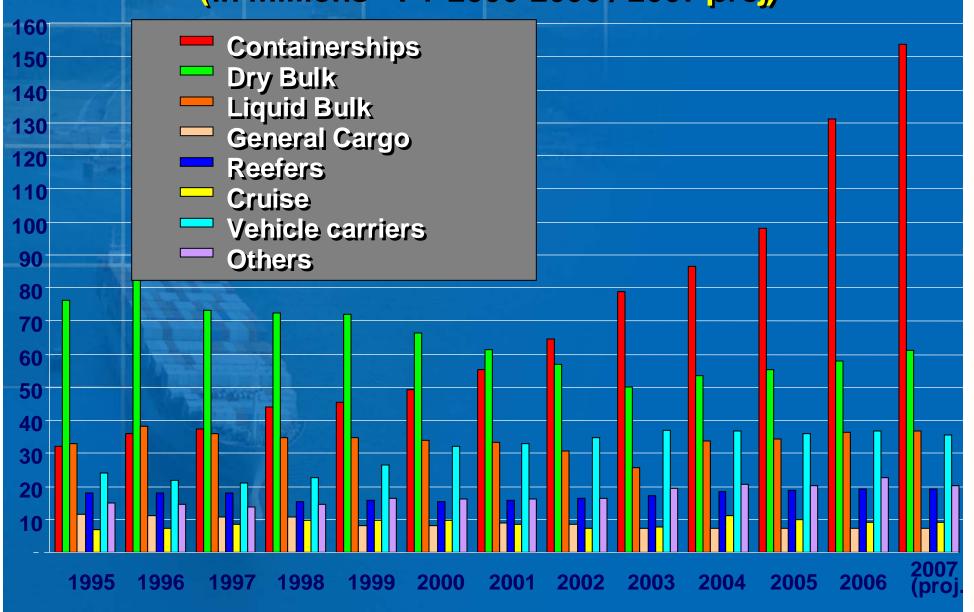
#### **Average Canal Waters Time**

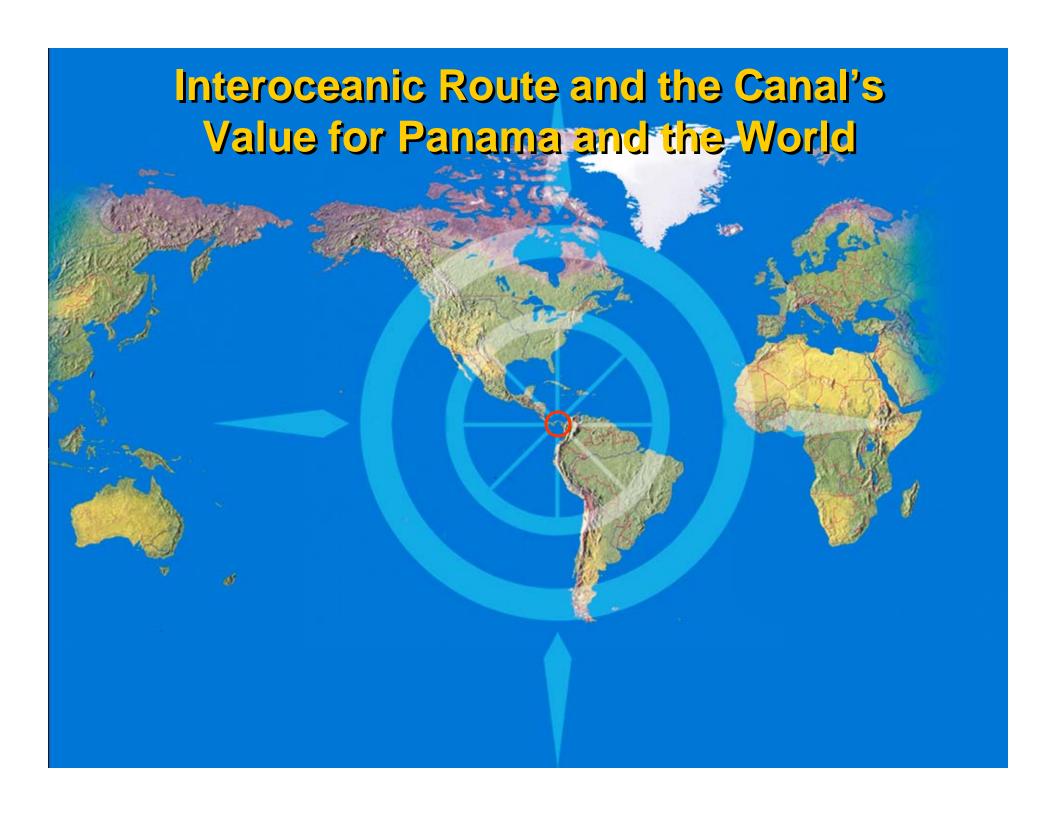


#### Accidents FY1996 – FY2006



# PCUMS Net Tons per Market Segment (in millions - FY 2000-2006 / 2007 proj)







Drewry

#### Rapid growth in global container demand

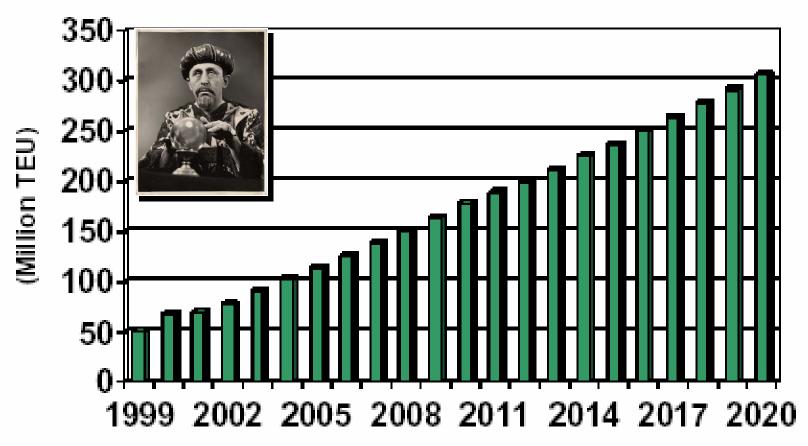




# Trans-Pacific Eastbound Demand Growth

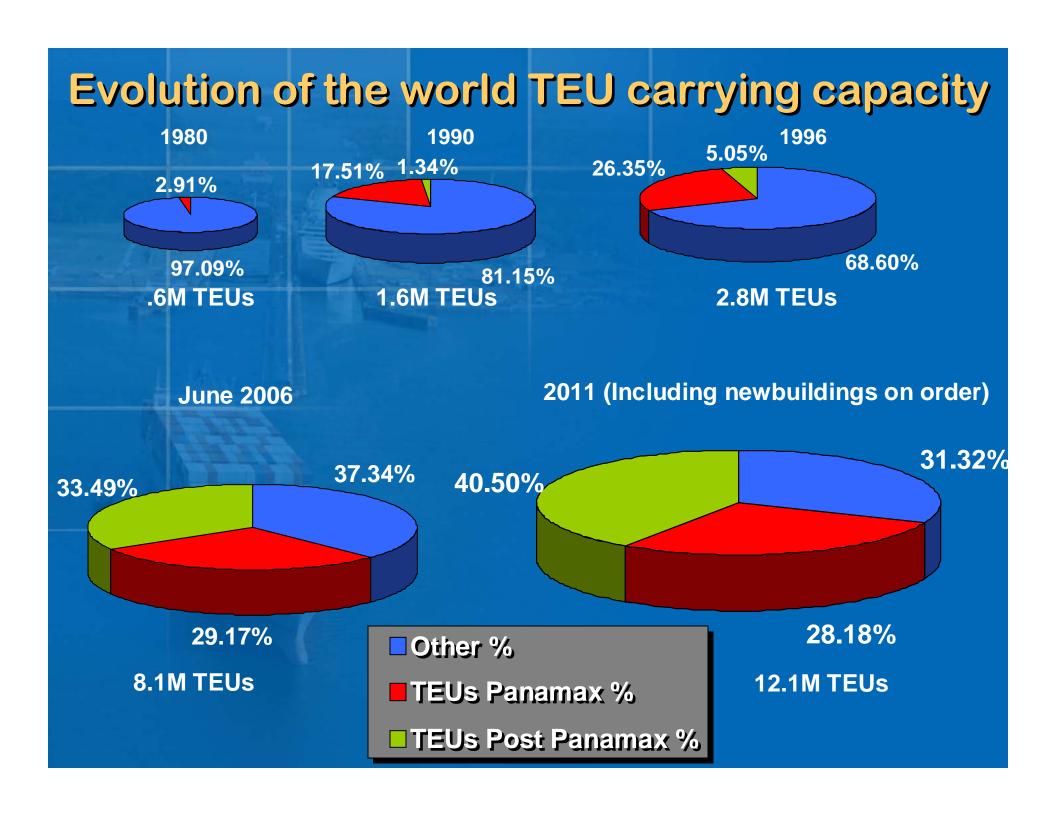
	Asia-U.S.		
Source	2007e	2008e	2009e
PIERS	9.5%	10.3%	n/a
Global Insight	8.8%	10.6%	n/a
Drewry	9.9%	10.2%	n/a
Morgan Stanley	10-11%	10-11%	10-11%
Goldman Sachs	11%	11%	10.3%
Clarkson	12%	n/a	n/a
UBS	8%	10%	10%

#### World Container Traffic



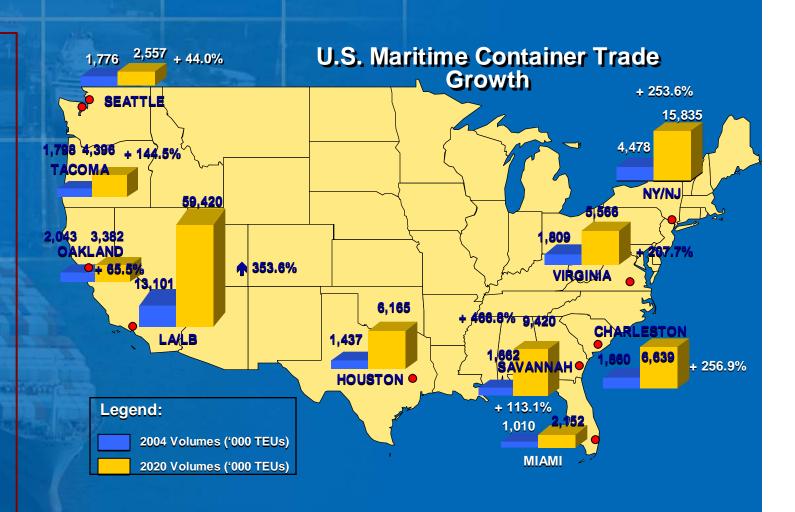
Sources: Drewry Shipping Consultant Ltd./Global Insight



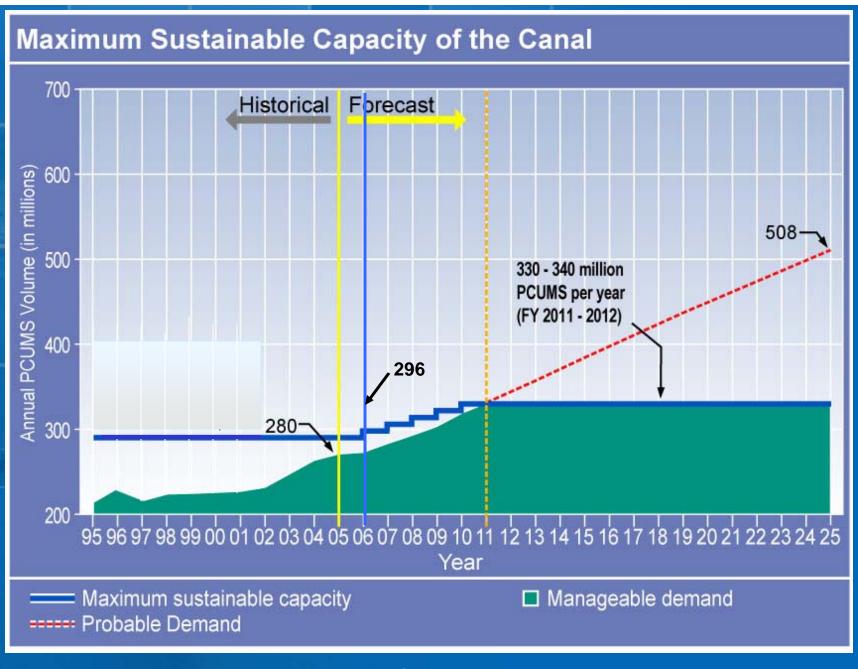


#### Infrastructure Issues: Current and Future

- Container imports are expected to double by 2020
- Rail freight tonnage is expected to increase by 50% by 2020
- Air cargo volume is expected to increase by 5% every year through 2016
- From 1970 to 2003, vehicle travel on highways rose by 161% but road mileage only increased by 6%
- Congestion costs US\$63
   billion in wasted time &
   fuel
- Half of the nation's 257 locks on inland waterways are functionally obsolete
- Of the 590,750 bridges, 27% are structurally deficient or obsolete
- Most ports have not been dredged to handle the 10,000-TEU jumbo containerships being built



Source: American Society of Civil Engineers (ASCE) – 2005 Report Card for America's Infrastructure, U.S. DoT

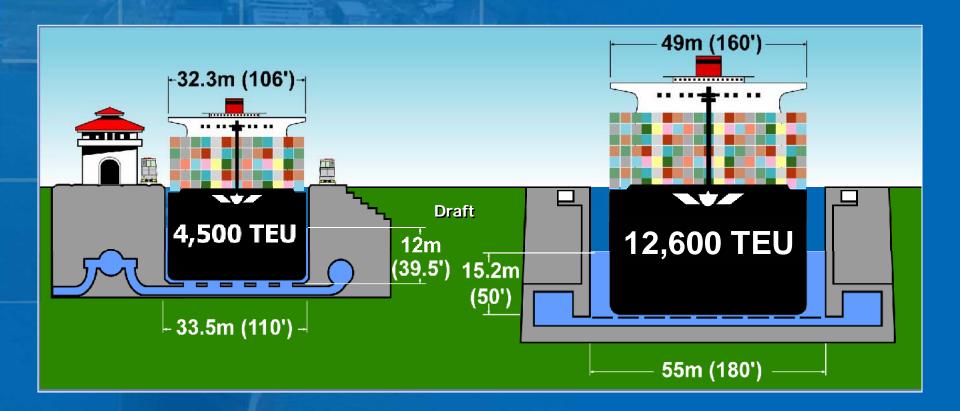


The improved existing Canal could sustainably handle up to 330 - 340 million annual PC/UMS tons

### Pospanamax Locks and Vessel Dimensions

**Existing Locks** 

**New Locks** 



Chamber Length 305m (1,000') Max. Vessel LOA 294.3m (965') Chamber Length 427m (1,400') Max. Vessel LOA 366m (1,200')



# Program Components Dredging of the Sea Entrance Navigation Channels



**Dredging of the Sea Entrance Navigation Channels** 



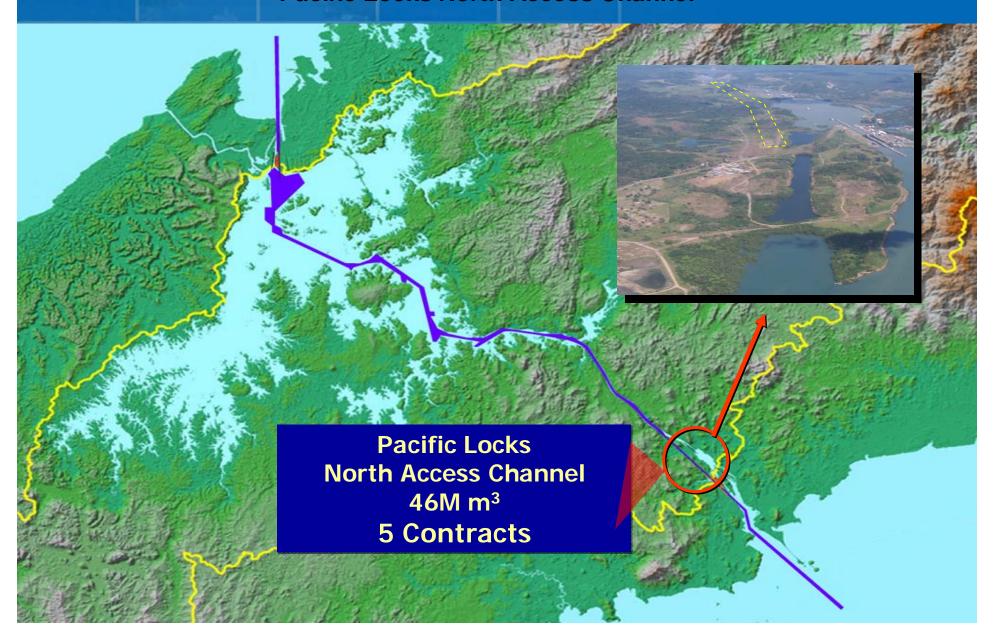
Pospanamax Locks



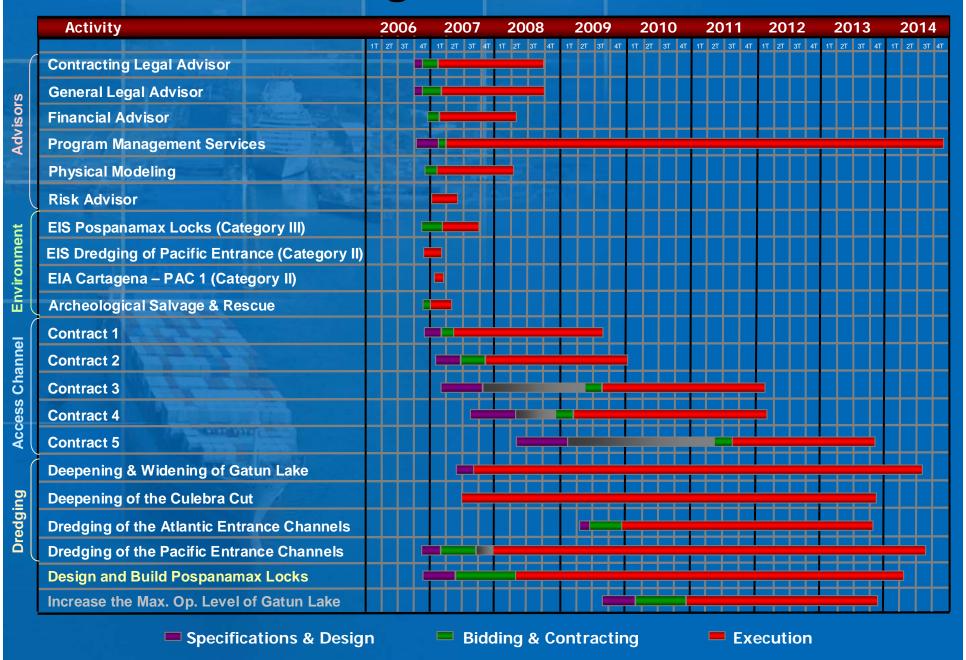
**Dredging of Gatun Lake and Culebra Cut Navigation Channels** 

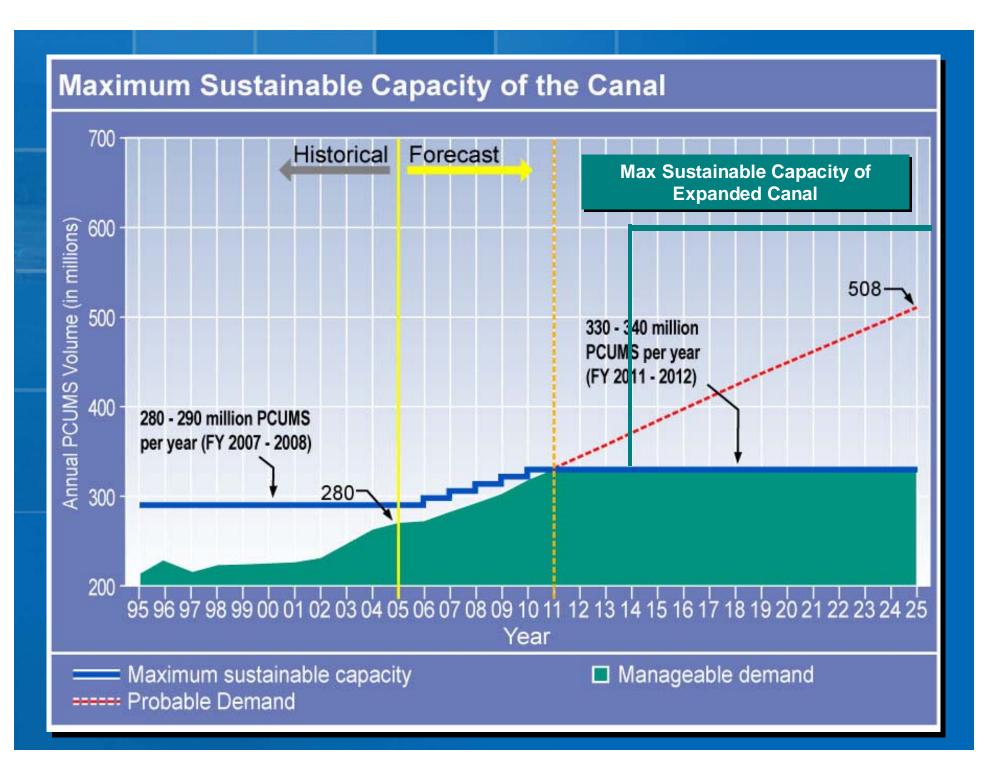


**Pacific Locks North Access Channel** 

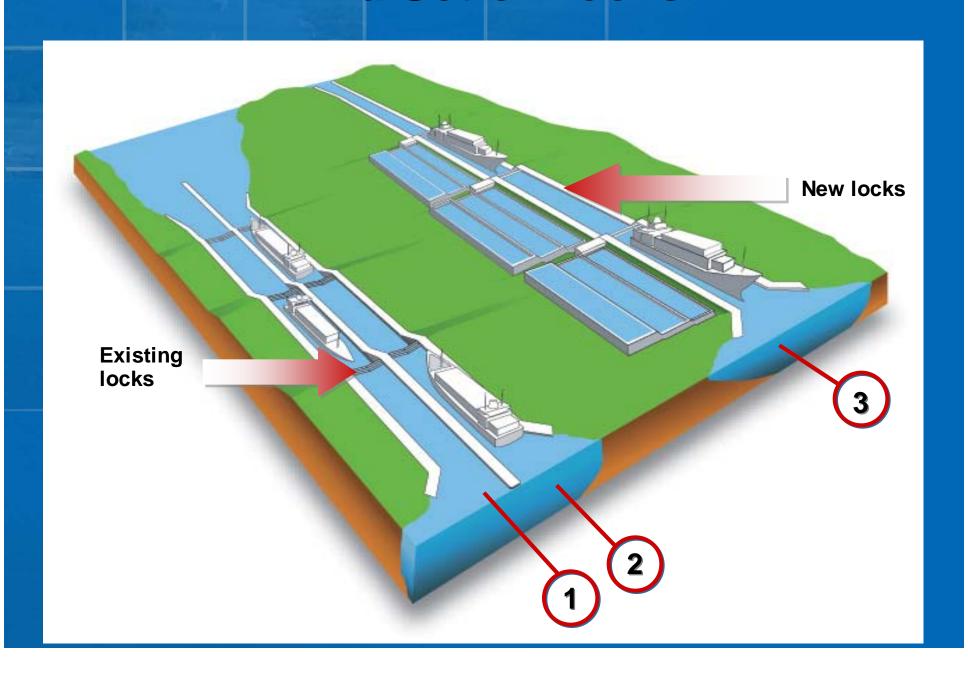


### Program Schedule





### Third Set of Locks

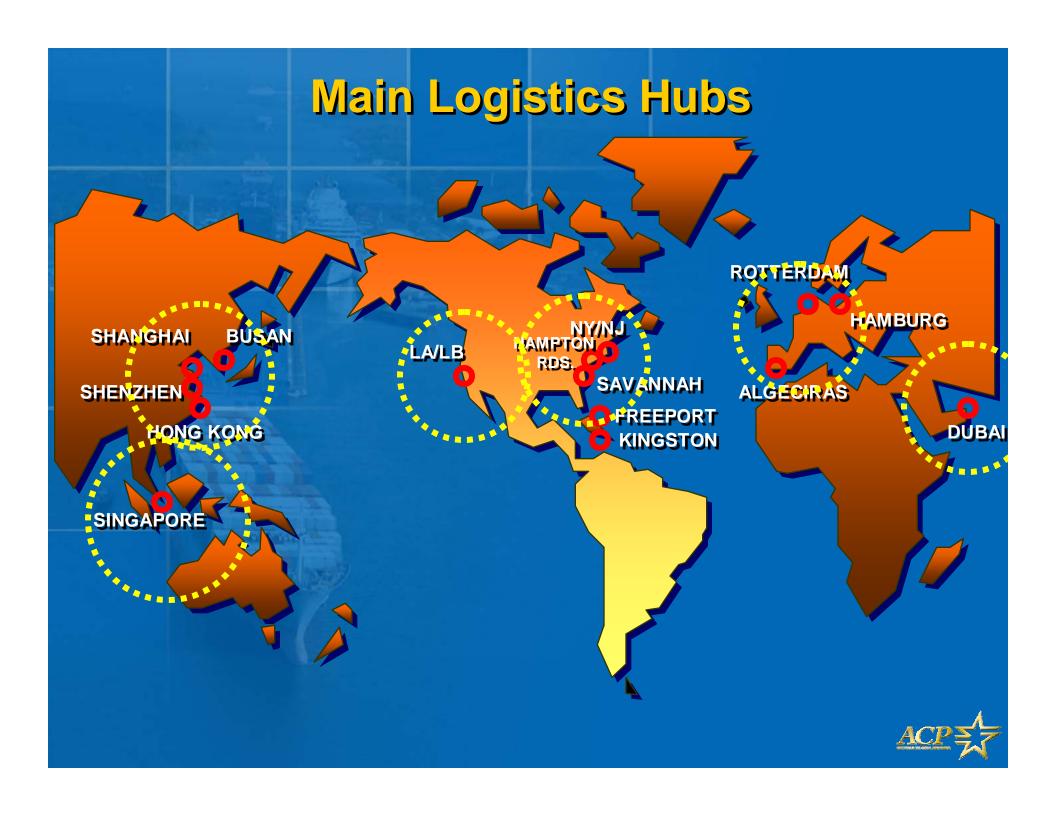


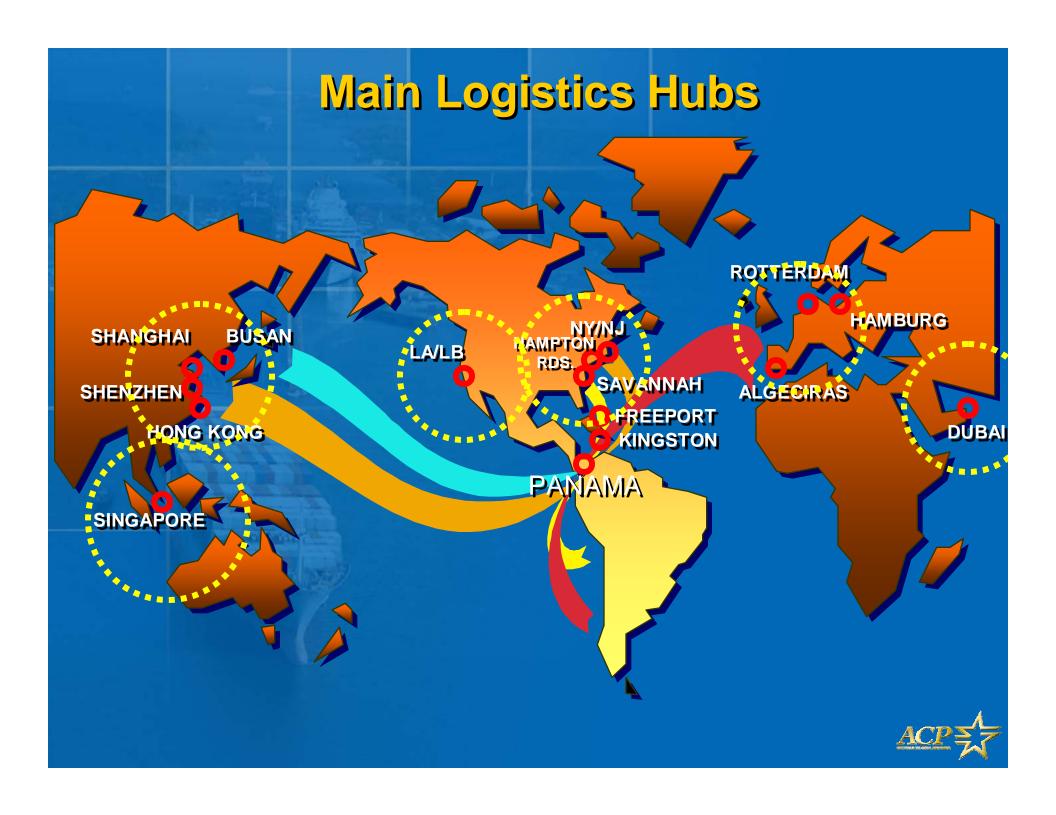
### Conceptual Design

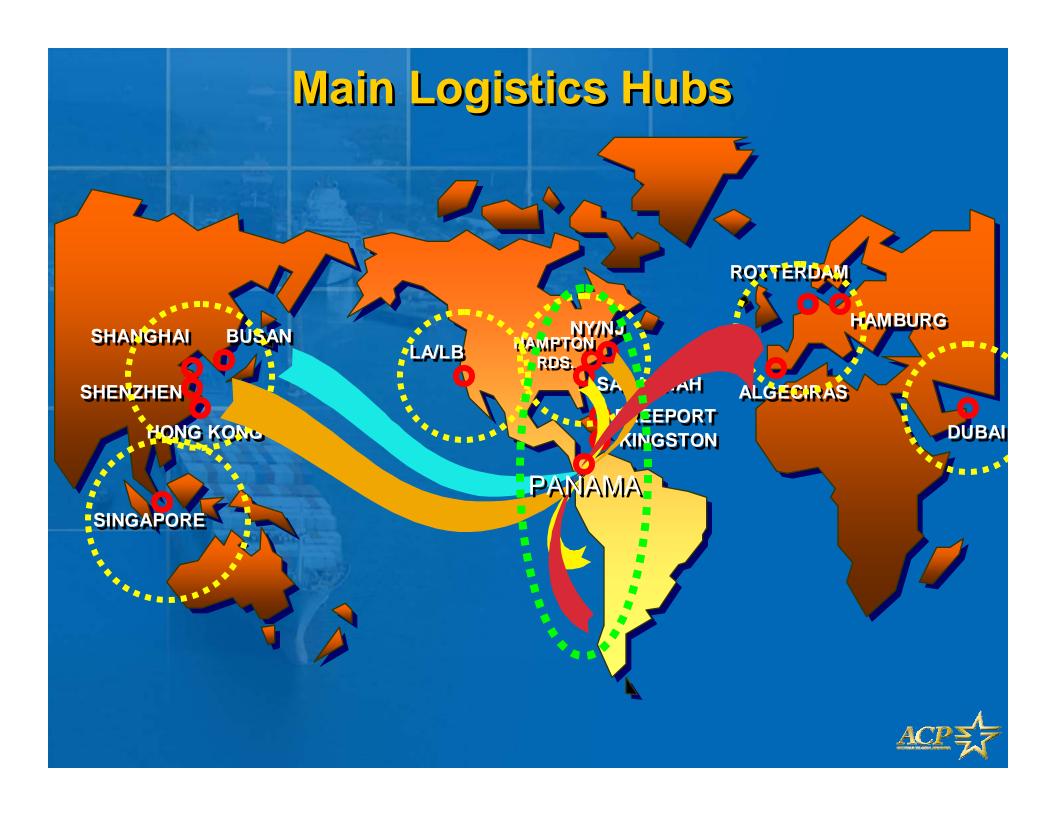


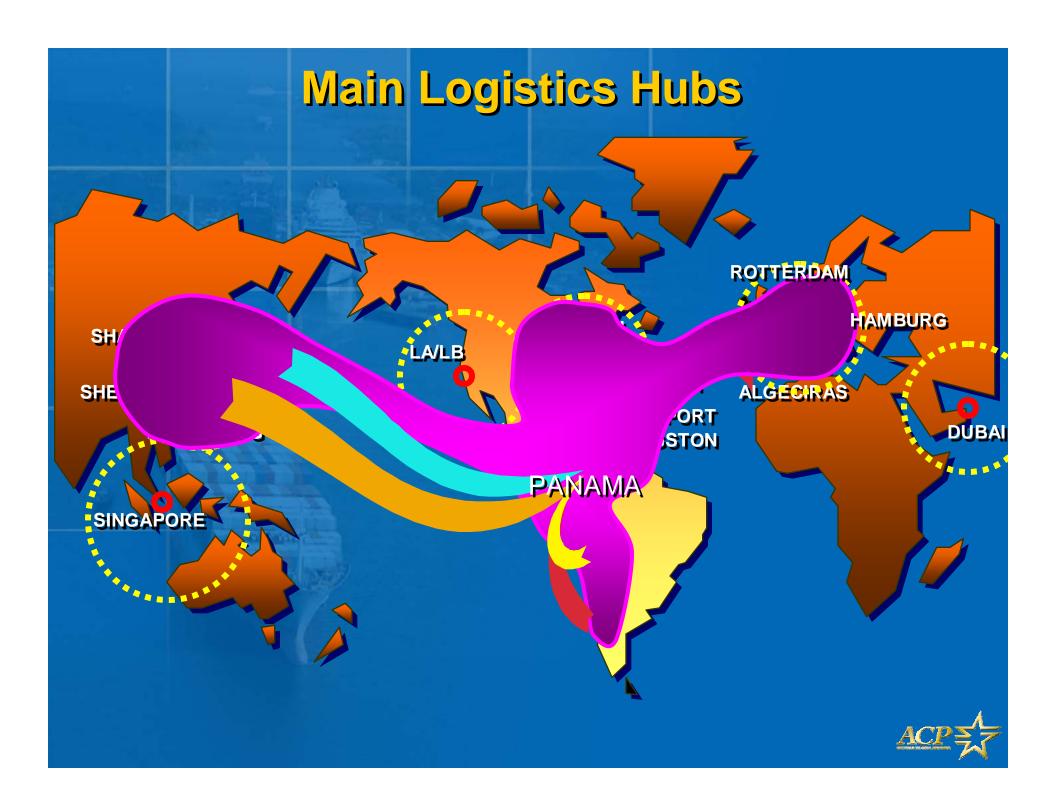








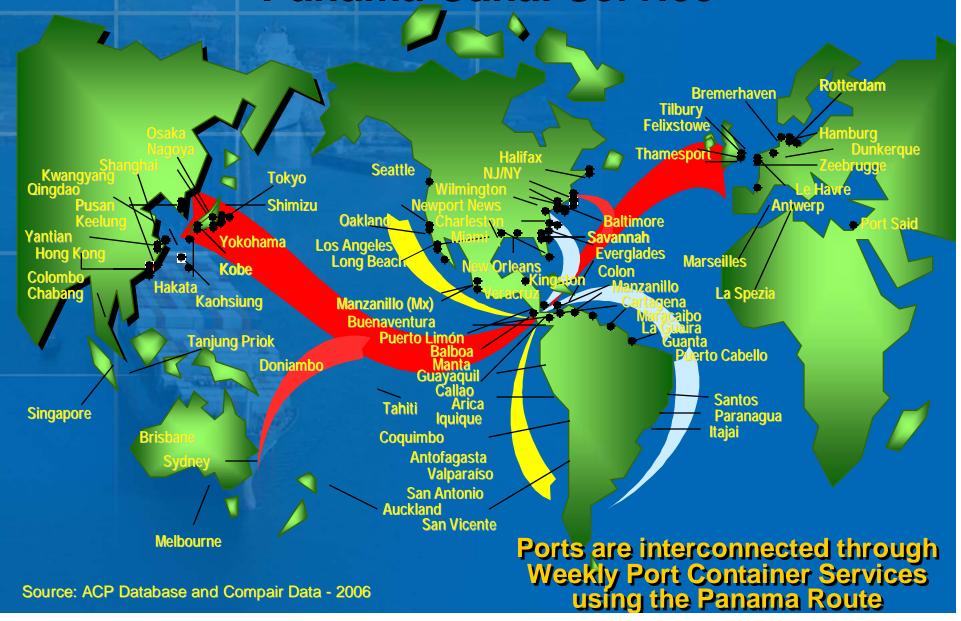




#### Ports that Connect with Mother Ships



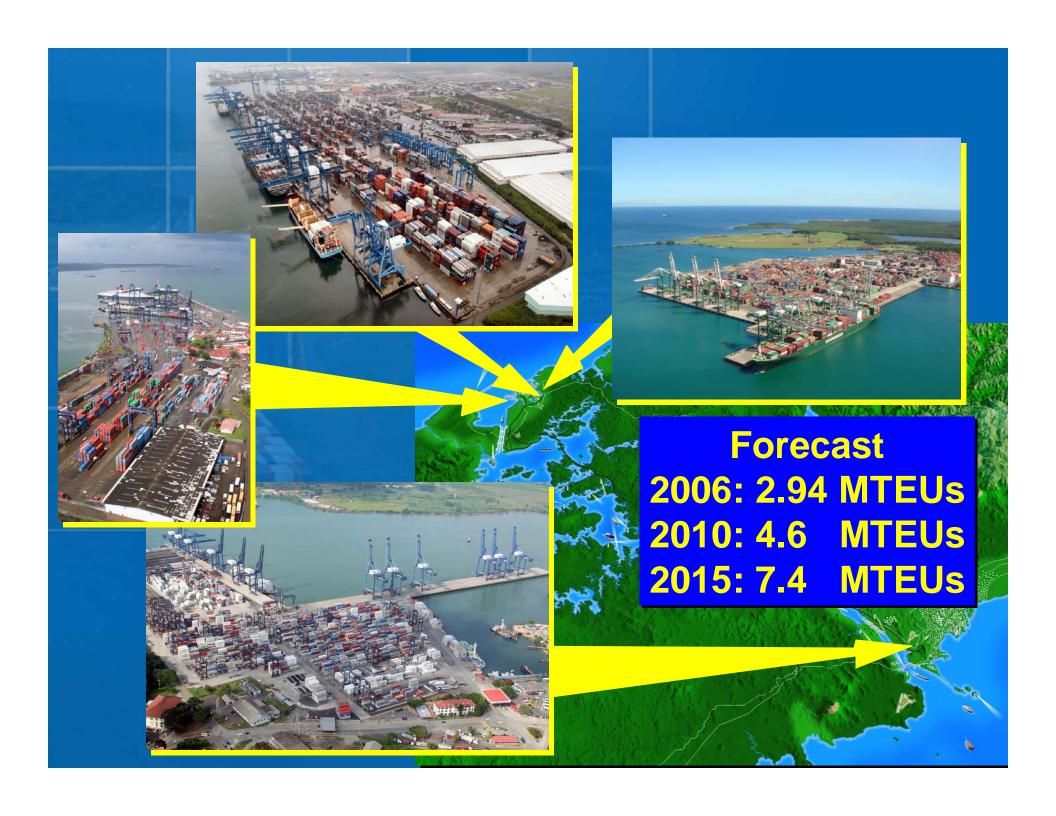
## Value of the Interoceanic Route and the Panama Canal Service















# Panama: America's Most Important Logistics and Transportation Hub



