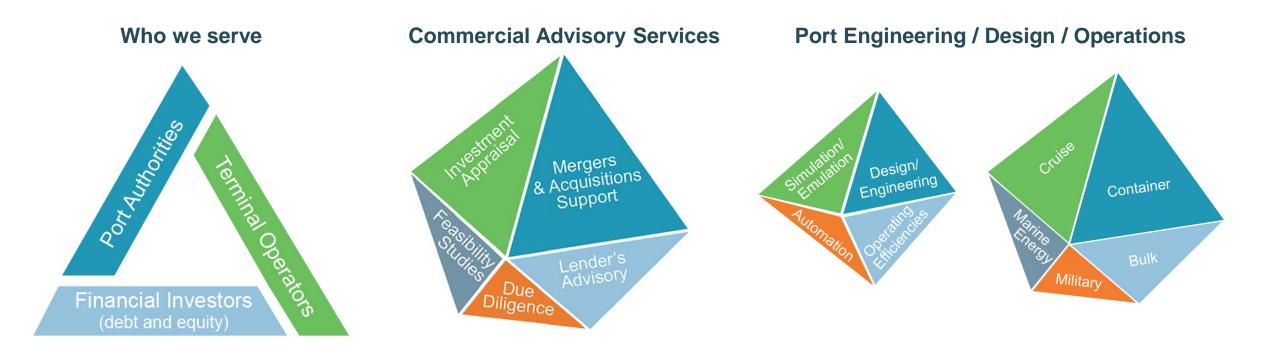


# 2017 AAPA Annual Conference – Long Beach

Joshua Hurwitz

October 3, 2017

#### **Moffatt & Nichol Commercial Advisory Services**



#### Commentary and presentation materials are based on the personal views of the speaker and may not coincide with opinions held by Moffatt & Nichol or its employees

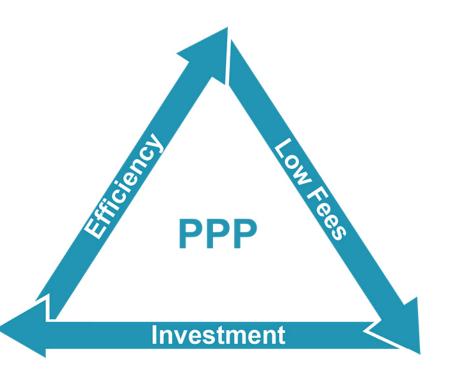
## **Private Sector Port Financing, Investment and Development Trends**

- 1. Infrastructure investment requirements exceed public finance capacity, calling for increased use of PPPs and private financing
- 2. Shipping industry market dynamics are pressuring the status quo
- 3. Port authorities need to understand market trends and how they may impact their policy goals
- 4. Anticipated technology changes have the potential to fundamentally reshape our way of life, and how we move goods to market

#### Infrastructure investment need is greater than availability of public finances

Chronic underinvestment in infrastructure \$800 billion annually through 2030<sup>1</sup> Availability of private financing

PPP's can leverage private and public funds to fill the gap Possible policy goals



<sup>1</sup> McKinsey Study, 2016

# Different investors in the port space; risk profiles drive investment decisions

#### **Two Types of Capital**



Debt
Equity

#### **Three Types of Investors**



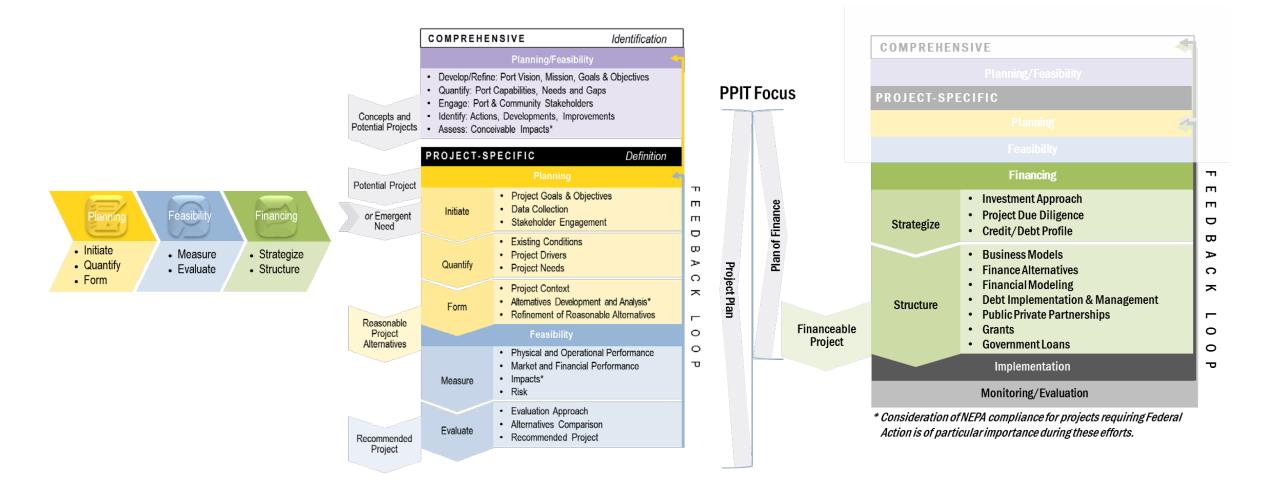
Strategic
Financial
Public

#### What Infrastructure Investors Want



- 1. Essential services resilient to the economic cycle
- 2. High barriers to entry
- 3. Predictable and resilient longterm cash flows
- 4. Inflation-linked revenues
- 5. Predictable operations and maintenance capital

# **The AAPA Port Planning and Investment Tool Kit**

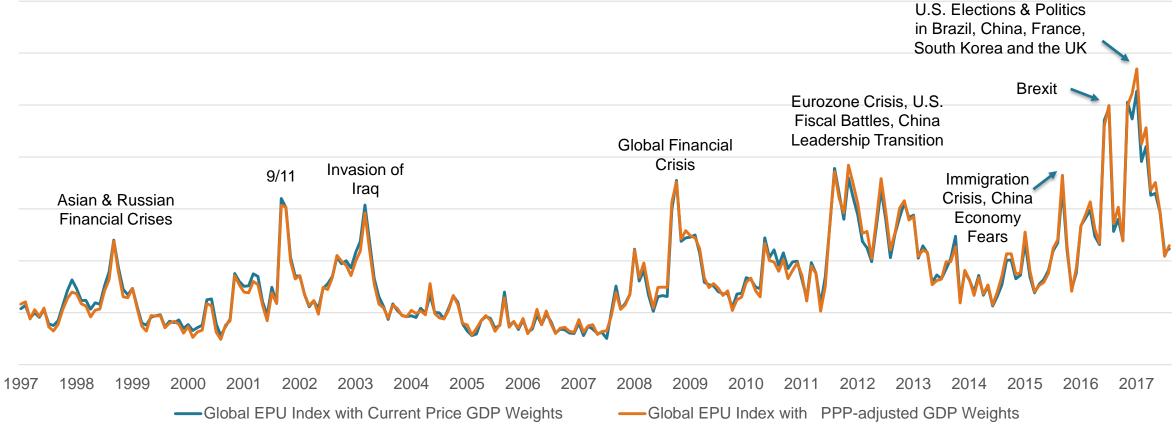


# Private investors evaluate opportunities using a financial model, and so should you



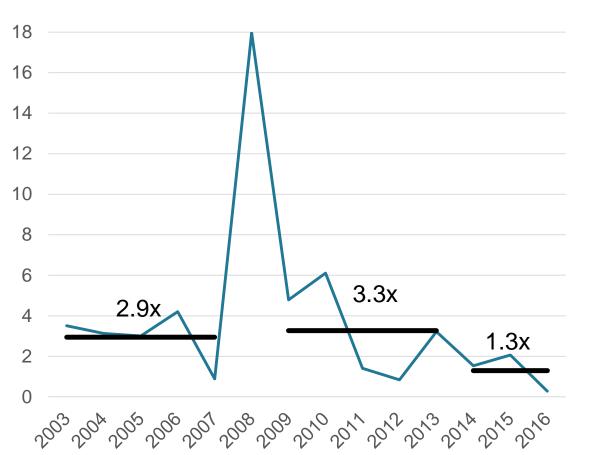
### It feels like it's getting harder to tell the future, but it has never been easy





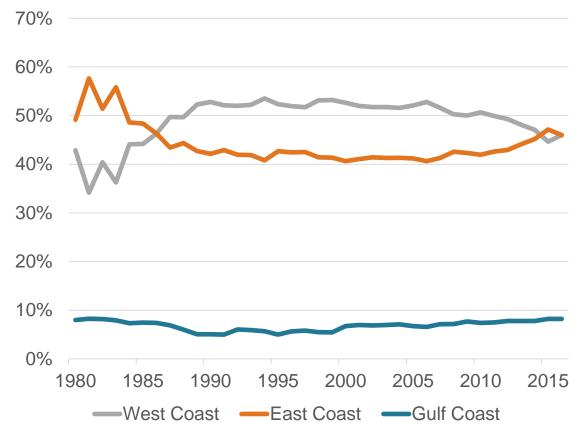
Source: PolicyUncertainty.com; Baker, Bloom and Davis

# **Overall volume growth not as exciting; more uncertainty over market shares**

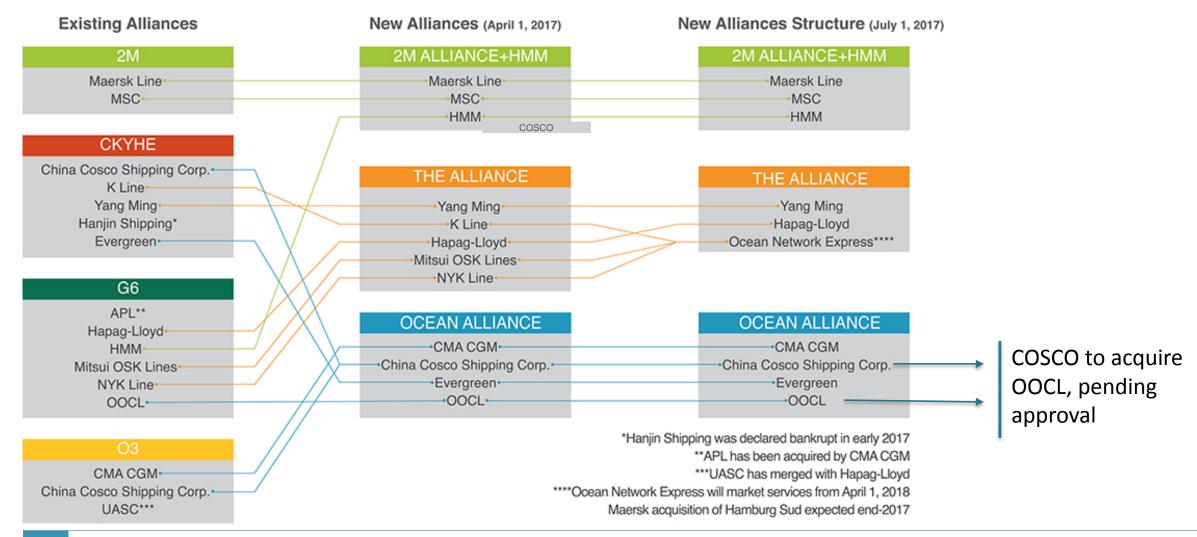


#### U.S. TEU to GDP growth multiple trending downward

# Coastal shares of container cargo will continue alternating



### **Liner Consolidation and Alliances**



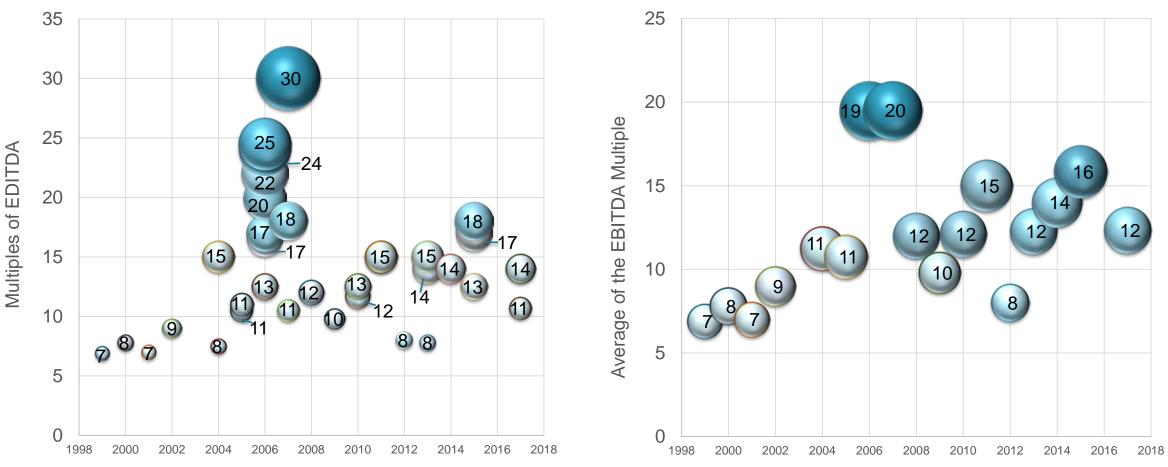
# Consolidation trickling down to terminals and port authorities

- Port of Oakland consolidates from 8 terminals to 3
- US Regulators approve Miami Terminal Alliance, allowing SFCT and POMTOC to jointly negotiate service contracts with liner alliances
- ONE, China COSCO expected to each rationalize their terminals in Southern California
- NW Seaport Alliance: Seattle-Tacoma cooperating to maximize the utility of their terminal assets and avoid misaligned capex investments
- Portland loses its only container terminal





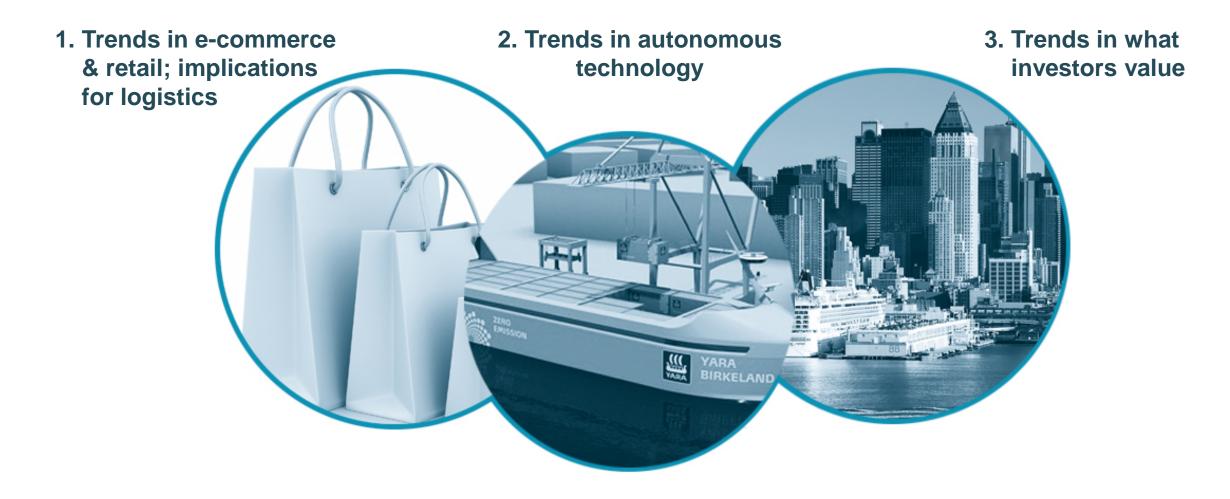
#### Valuations are increasing but are not always the main obstacle to deals



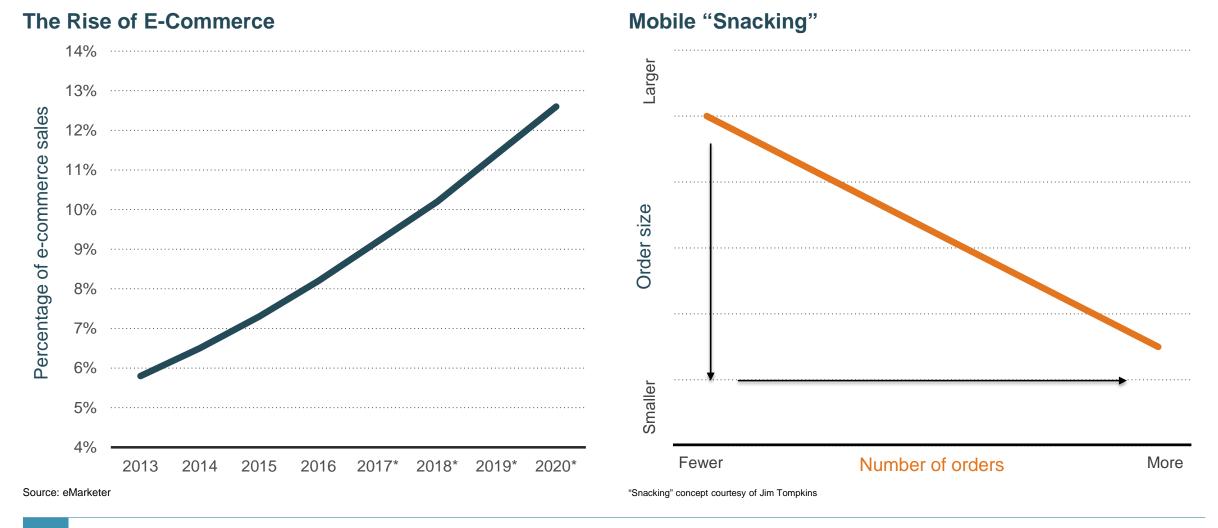
Yearly Average of Transactions

#### **All Transactions**

# Three Trends Worth Keeping an Eye On



#### **Consumer trends exerting pressure on logistics**



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#### **Autonomous Vehicles**

#### Vessels

Trucks



#### **Personal Vehicles**



Sources: Yara & Kongsberg, Scania, Otto, Volvo

## Data (and context) is now the most valuable asset class

#### Top ten companies by market cap, 1997 and 2017

1997	Industry	Mkt. Cap \$bn	2017	Industry	Mkt. Cap \$bn
General Electric	Conglomerate	223	Apple	Tech/Data	806
Royal Dutch Shell	Oil and gas	191	Alphabet	Tech/Data	657
Microsoft	Tech/software	160	Microsoft	Tech/Data	577
Exxon Mobil	Oil and gas	158	Amazon	Tech/Data	468
Coca-Cola	Beverage	151	Facebook	Tech/Data	500
Intel	Tech/hardware	151	Berkshire Hathaway	Conglomerate	454
Nippon T&T	Telecom	146	Alibaba Group	Tech/Data	453
Merck	Health care	121	Johnson & Johnson	Pharma	358
Toyota	Automotive	117	Exxon Mobile	Oil and gas	341
Novartis	Health Care	104	JP Morgan Chase	Financial	332

## In Conclusion

- 1. Infrastructure investment requirements exceed public finance capacity, calling for increased use of PPPs and private financing
  - Private financing comes with their own set of needs
- 2. Shipping industry market dynamics are pressuring the status quo
  - Creating risks and opportunities
- 3. Port authorities need to understand market trends and how they may impact their policy goals
  - Will require careful analysis, well-designed partnership structures, clarity on goals and trade-offs
- 4. Anticipated technology changes have the potential to fundamentally reshape our way of life, and how we move goods to market

# **THANK YOU**

Joshua Hurwitz Moffatt & Nichol jhurwitz@moffattnichol.com 510-788-8963



moffattnichol.com