APPENDIX A

List of Participants at the FMC Public Forums on Port Congestion and Intermodal Supply Chain Efficiency
Public Forum on Port Congestion  
San Pedro, California, September 15, 2014

Participants

MARIO CORDERO  
Chairman  
Federal Maritime Commission

EUGENE SEROKA  
Port of Los Angeles

JON SLANGERUP  
Port of Long Beach

THE HONORABLE JANICE HAHN (D-CA)  
U.S. House of Representatives

THE HONORABLE ALAN LOWENTHAL (D-CA)  
U.S. House of Representatives

Panel One

ROBERT CURRY SR.  
California Cartage Company

ALEX CHERIN  
Englander Knabe & Allen

BERNARD VAUGHAN  
Flexi-Van Leasing, Inc.

BOB WYSOCKI  
Sears Holdings Corporation

LISA FERGUSON  
MIQ Logistics

MICHELE GRUBBS  
Pacific Merchant Shipping Association

H. KEITH LESNICK  
U.S. DOT - West Coast Regional Gateway

Panel Two

FRAN INMAN  
Majestic Realty

BRUCE WARGO  
PierPASS

RICH DINES  
Port of Long Beach

MICHAEL J. JOHNSON  
Harbor Trucking Association

MICHAEL MAYOR  
Mayor Logistics, Inc.

RICH NAZZARO  
Toll Global Forwarding

Panel Three

EDWARD DENIKE  
SSA Containers

ERNESTO NEVAREX  
(speaking for himself)

JUAN CORONA  
(speaking for himself)

SANDY LANGFORD-COTY  
Los Angeles Customs Brokers

JOE WRIGHT  
Mazda North American Operations

PABLO CAMACHO  
Teamsters Union

JACQUELINE AGUIRRE  
TTSI

HECTOR VALENTINA  
Tom Green
BURKE SMITH  
The Dependable Companies

EMMANUEL GOLDSHIED  
Amazon Trucking

RICK CURRY  
Gateways International

SRI LAXMANA  
C.H. Robinson

HOWARD WALLACE  
Los Angeles Harbor Grain Terminal, Inc.

RYAN BROWER  
Weber Logistics

VAL NORONHA  
Digital Geographic Research Corporation

Written Comments & Statements

STEPHEN A. YOUNG  
representing a group of companies that collect and process scrap

NORMAN DUNCAN  
(invite railroads)

ERNESTO NEVAREZ  
(invite port drivers/truck drivers)

DOUG CORBETT  
(selling Chassis Racks)

REP. DUNCAN D. HUNTER  
Subcommittee on Coast Guard and Maritime Transportation

Mid-Atlantic and Northeast Port Congestion Forum  
Baltimore, Maryland, October 1, 2014

Participants

WILLIAM P. DOYLE  
Commissioner  
Federal Maritime Commission

RICHARD A. LIDINSKY, JR.  
Commissioner  
Federal Maritime Commission

Opening Remarks

THE HONORABLE HELEN D. BENTLEY  
Former member, U.S. House of Representatives

Port Authority, MTO & Shipping Association

DAVID THOMAS  
Port of Baltimore

JOHN REINHART  
Port of Virginia

BAYARD HOGANS  
Ports America Chesapeake

RICK LARRABEE  
Port Authority of New York & New Jersey
JOHN NARDI
NY Shipping Association

JOHN ATKINS
Global Container Terminals

U.S. Coast Guard

CAPT. DREW TUCCI
U.S. Coast Guard

Carrier

HOWARD FINKEL
China Ocean Shipping Company

CLAUDIO BOZZO
Mediterranean Shipping Company (USA) Inc.

DAVID DALY
"K" Line America, Inc.

AL GEBHARDT
Maersk Line

Motor Carrier/Trucking

SHIRLEY ROEBUCK
Gilco Trucking

HECTOR ALVAREZ
Owner Operator

GERRY COYLE
Evans Delivery Company

WAYNE GUAMER
Lightning Transportation

Chassis

BERNARD VAUGHAN
Flexi-Van Leasing, Inc.

DAVID MANNING
NACPC

BILL SHEA
Direct ChassisLink, Inc.

JON POELMA
Consolidated Chassis Management, LLC

KEITH LOVETRO
TRAC Intermodal

Labor

LARRY BACHTELL
ILA

MIKE VIGNERON
ILA

Shippers

MARK JENSEN
Target

DEAN TRACY
Lowe's

BRYAN MOST
Walmart

LORI S. SMITH
Johnson & Johnson Sales and Logistics, LLC

Open Public Comments

JEFF BADER
Association of Bi State Motor Carriers, Inc.

JON GOLD
National Retail Federation
International Supply Chain Efficiency: Challenges Facing South Atlantic Ports
North Charleston, South Carolina, October 30, 2014

Participants

MICHAEL A. KHOURI
Commissioner
Federal Maritime Commission

Port Authority Executives

JOHN WALSH
Canaveral Port Authority

STEVEN M. CERNAK
Port Everglades

JAMIE McCURRY
Georgia Ports Authority

BRIAN TAYLOR
Jacksonville Port Authority

Motor Carrier/Trucking

KEN KELLAWAY
RoadOne Intermodal Logistics

JOSHUA OWEN
Ability Tri-Modal
PHIL BYRD  
Bulldog Hiway Express  

CURTIS WHALEN  
ATA Intermodal Motor Carrier Conference

DAVE MANNING  
TCW and Tennessee Express  
American Trucking Associations (ATA)  
North American Chassis Pool Cooperative

Ocean Carriers

JOHN TRONTI  
Marine Transport Lines/Crowley  
Maritime Corporation

EDWARD MCCARTHY  
CMA CGM (America) LLC  
OCEMA

JOHN FOERTSCH  
OOCL (USA) Inc

Railroads

TRISH HAVER  
Norfolk Southern

CARL WARREN  
CSX Transportation

PHIL NOURY  
Florida East Coast Railway

Labor

KENNETH RILEY  
ILA

Chassis

BERNARD VAUGHAN  
Flexi-Van Leasing, Inc.

PHILIP WOJCIK  
CCM

VAL NOEL  
TRAC Intermodal

Shippers & Logistics

DON PISANO  
American Coffee Corporation

MARLON JONES  
International Paper

ANDREW MORELLI  
Rayonier Advanced Materials

Written Comments & Statements

PHILIP L. BYRD, Sr  
President & CEO  
Bulldog Hiway Express

DONALD A. PISANO  
President, American Coffee Corp  
Director, NITL  
Board member, Green Coffee Association

ED McCARTHY  
Sr. VP & COO, CMA CGM Americas  
Vice Chairman, OCEMA

CURTIS E. WHALEN  
Executive Director, IMCC/ATA
Participants

REBECCA F. DYE
Commissioner
Federal Maritime Commission

Gulf Coast Port Authorities

GARY LaGRANGE	SMITTY THORNE
Port of New Orleans	Alabama State Port Authority

ROGER GUENTHER	JEFF STRADER
Port of Houston Authority	Port Freeport

PAUL ANDERSON
Port Tampa Bay

Ship Operations

WALDEMAR POULSEN
Rickmers-Linie (America), Inc.

STEVEN GARIFALOS
NYK Bulk & Project Carriers

JIM MICHALSKI
CMA-CGM (America), Inc.

THOMAS GRANT
Crowley Maritime

DHAVAL PATEL
Maersk, USA Country Operations

Trucking Operations

BRIAN FIELKOW
Jetco Delivery
Local Chapter of Texas Trucking Association

RANDY GUILLOT
Southeastern Motor Freight, Inc.

JEFFREY LOUIS
TCI Trucking and Warehousing Services

CATHY GAUTREAUXT
Louisiana Motor Transport Association, Inc.

CURTIS WHALENT
Intermodal Motor Carrier Conference, ATA

PHILLIP WOJCIK
Consolidated Chassis Management, LLC

Cargo Operations

KRISTI APP
JW Allen & Company Inc.

RICHARD CHRISS
American Institute for International Steel

DONNA LEMM
Mallory Alexander International Logistics

SEAN M. DUFFY
Big River Coalition

DALE STREET
Zen-Noh Grain Corporation

DAVID KEARNEY
The Kearney Companies
Terminal Operations

JAMES PARKER  
New Orleans Terminal LLC

DON JOHNSON  
Shippers Stevedoring Co.

KEITH PALMISANO  
Ports America New Orleans

JOHN CROWLEY  
National Association of Waterfront Employers

BRIAN HAROLD  
APM Terminals Mobile

KENNETH CRIER  
ILA Local 3000

DAVE MORGAN  
Cooper/T. Smith

Written Comments & Statements

RICHARD CHRIS  
Executive Director, American Institute for International Steel

RANDY GUILLOT  
President, Triple G Express & Southeastern Motor Freight

JIM MICHALSKI  
VP, Inland Operations, CMA CGM Americas

CURTIS E. WHALEN  
Executive Director, IMCC/ATA

BRIAN L. FIELKOW  
President, Jetco Delivery, LLC
APPENDIX B

Container Volumes at U.S. Ports
January 2005 through December 2014
Container Volumes at U.S. Ports (TEU)
Monthly data January 2005 through December 2014

West Coast Ports Monthly Import Volume (TEU)

2005 Monthly Avg. 797,031
2014 Monthly Avg. 838,445
% Change 5.2%

West Coast Ports Monthly Export Volume (TEU)

2005 Monthly Avg. 295,822
2014 Monthly Avg. 407,298
% Change 37.7%
LA & LB Monthly Import Volume (TEU)

2005 Monthly Avg. 592,158  
2014 Monthly Avg. 653,061  
% Change 10.3%

2005 Monthly Avg. 170,955  
2014 Monthly Avg. 256,434  
% Change 50.0%
Oakland Monthly Import Volume (TEU)

2005 Monthly Avg. 62,015 2014 Monthly Avg. 68,958 % Change 11.2%

Oakland Monthly Export Volume (TEU)

2005 Monthly Avg. 49,886 2014 Monthly Avg. 65,858 % Change 32.0%
Seattle Monthly Import Volume (TEU)

2005 Monthly Avg. 68,358  
2014 Monthly Avg. 31,341  
% Change -54.2%

Seattle Monthly Export Volume (TEU)

2005 Monthly Avg. 36,721  
2014 Monthly Avg. 29,717  
% Change -19.1%
2005 Monthly Avg. 65,695  2014 Monthly Avg. 71,111  % Change 8.2%

2005 Monthly Avg. 30,274  2014 Monthly Avg. 46,720  % Change 54.3%
East Coast & Gulf Monthly Import Volume (TEU)

2005 Monthly Avg. 573,390  2014 Monthly Avg. 730,834  % Change 27.5%

East Coast & Gulf Monthly Export Volume (TEU)

2005 Monthly Avg. 362,695  2014 Monthly Avg. 568,155  % Change 56.6%
NY/NJ Monthly Import Volume (TEU)

2005 Monthly Avg. 198,602 2014 Monthly Avg. 241,954 % Change 21.8%

NY/NJ Monthly Export Volume (TEU)

2005 Monthly Avg. 82,278 2014 Monthly Avg. 108,446 % Change 31.8%
TACOMA

Average Containership Size (TEU)

2005 Monthly Avg. 66,531 2014 Monthly Avg. 111,508  % Change 67.6%

Savannah

Monthly Import Volume (TEU)

2005 Monthly Avg. 30,000  2014 Monthly Avg. 110,000  % Change 233.3%

Savannah Monthly Export Volume (TEU)

2005 Monthly Avg. 55,534  2014 Monthly Avg. 103,894  % Change 87.1%
Norfolk Monthly Import Volume (TEU)

- 2005 Monthly Avg. 63,726
- 2014 Monthly Avg. 80,816
- % Change 26.8%

Norfolk Monthly Export Volume (TEU)

- 2005 Monthly Avg. 43,528
- 2014 Monthly Avg. 76,617
- % Change 76.0%
Charleston Monthly Import Volume (TEU)

2005 Monthly Avg. 72,900 2014 Monthly Avg. 62,547  % Change -14.2%

Charleston Monthly Export Volume (TEU)

2005 Monthly Avg. 49,642 2014 Monthly Avg. 57,037  % Change 14.9%
Baltimore Monthly Import Volume (TEU)

2005 Monthly Avg. 16,576  
2014 Monthly Avg. 25,688  
% Change 55.0%

Baltimore Monthly Export Volume (TEU)

2005 Monthly Avg. 9,309  
2014 Monthly Avg. 13,475  
% Change 44.8%
Port Everglades Monthly Import Volume (TEU)

2005 Monthly Avg. 15,404  
2014 Monthly Avg. 27,268  
% Change 77.0%

Port Everglades Monthly Export Volume (TEU)

2005 Monthly Avg. 13,330  
2014 Monthly Avg. 29,378  
% Change 120.4%
Miami Monthly Import Volume (TEU)

2005 Monthly Avg. 27,106  
2014 Monthly Avg. 27,045  
% Change -0.2%

Miami Monthly Export Volume (TEU)

2005 Monthly Avg. 9,439  
2014 Monthly Avg. 25,706  
% Change 172.3%
Jacksonville Monthly Import Volume (TEU)

2005 Monthly Avg. 6,427  2014 Monthly Avg. 14,299  % Change 122.5%

Jacksonville Monthly Export Volume (TEU)

2005 Monthly Avg. 17,561  2014 Monthly Avg. 17,362  % Change -1.1%
New Orleans Monthly Import Volume (TEU)

2005 Monthly Avg. 5,807  2014 Monthly Avg. 7,374  % Change 27.0%

New Orleans Monthly Export Volume (TEU)

2005 Monthly Avg. 8,621  2014 Monthly Avg. 19,612  % Change 127.5%

Aug 2005: Hurricane Katrina
APPENDIX C

Average Size of Containerships Calling at U.S. Ports
& Average Number of Containers Exchanged

Notes to the Charts

The data displayed in the charts that follow are derived from two sources of information, namely, IHS Sea-Web and the Journal of Commerce’s Port Import/Export Reporting System (PIERS).

The charts that show the average size of containerships calling at different port locations in the U.S. on a monthly basis over time (shown in the top-half of each page) are derived from data sourced from IHS Sea-Web. By ship name and IMO number, the containerships that called at each port each month were identified. The design capacity (in TEUs) of each containership calling at each port each month also was extracted from IHS Sea-Web. A simple arithmetic average of the size of all containerships (average TEU capacity) calling each month at each port was computed. An exponential trend line was fitted to the observations derived, which expresses the average rate of change in terms of a constant percentage change per unit of time. (A linear trend line which would express the rate of change as a constant absolute change per unit of time.) A limitation of the monthly IHS Sea-Web data that was used in this exercise is that a containership calling at the port in any one month is recorded once only regardless of the actual number of calls a particular ship may have made. However, as most containership voyages are of relatively long duration, typically one month or more, it is believed this is a rather minor data limitation.

The charts that show the average number of containers exchanged by containerships calling at different port locations in the U.S. (shown in the bottom-half of each page) made use of PIERS data to obtain the amount of TEUs discharged from and loaded to container vessels calling at the port each month. The number of containership calls at the port each month was obtained from IHS Sea-Web (subject to the previously disclosed data limitation). Vessel container exchanges normally are measured in terms of container lifts, thereby disregarding the size of the containers discharged or loaded. To retain this measure, a standard conversion factor of 1.75 was used to translate the loaded TEUs data obtained from PIERS into an estimate of the number of containers lifted off or onto the ships (on average, one container equates to 1.75 TEUs). The number of loaded containers handled when divided by the number of containership calls at the port that month gives the average number of containers exchanged by the containerships that called at the port that month. The average container exchange figures displayed in these charts are based on loaded containers (i.e., containers loaded with cargo) and, therefore, exclude the handling of empty containers from or onto the vessels. The handling of empty containers, typically, would inflate the size of the average (full) container exchange shown in the charts between about 20 to 35 percent, depending on how well-balanced imports and exports are at a particular port.
Average Size of Containerships Calling at U.S. Ports & Average Number of Containers Exchanged

**West Coast Ports Avg. Containership Size (TEU)**

- 2005 Avg.: 4958
- 2014 Avg.: 7038
- % Change: 41.9%

**West Coast Ports Avg. Exchange (# of Containers)**

- 2005 Avg.: 1924
- 2014 Avg.: 2334
- % Change: 21.3%
Oakland Avg. Containership Size (TEU)

2005 Avg. 4526  2014 Avg. 6712  % Change 48.3%

Oakland Avg. Exchange (# of Containers)

2005 Avg. 457  2014 Avg. 546  % Change 19.6%
Seattle Avg. Containership Size (TEU)

- 2005 Avg. 4809
- 2014 Avg. 6847
- % Change 42.4%

Seattle Avg. Exchange (# of Containers)

- 2005 Avg. 967
- 2014 Avg. 640
- % Change -33.8%
Tacoma Avg. Containership Size (TEU)

2005 Avg. 4221 2014 Avg. 6755  % Change 60.0%

Tacoma Avg. Exchange (# of Containers)

2005 Avg. 1278 2014 Avg. 1255  % Change -1.8%
New York/New Jersey Avg. Containership Size

2005 Avg. 3648  
2014 Avg. 5518  
% Change 51.3%

NY/NJ Avg. Exchange (# of Containers)

2005 Avg. 820  
2014 Avg. 1001  
% Change 22.1%
### Savannah Avg. Containership Size (TEU)

- **2005 Avg.**: 3911
- **2014 Avg.**: 5339
- **% Change**: 36.5%

### Savannah Avg. Exchange (# of Containers)

- **2005 Avg.**: 611
- **2014 Avg.**: 739
- **% Change**: 20.8%
Norfolk Avg. Containership Size (TEU)

2005 Avg. 3605 2014 Avg. 5594  % Change 55.2%

Norfolk Avg. Exchange (# of Containers)

2005 Avg. 401 2014 Avg. 570  % Change 42.0%
Miami Avg. Containership Size (TEU)

2005 Avg. 3261 2014 Avg. 3407 % Change 4.5%

Miami Avg. Exchange (# of Containers)

2005 Avg. 283 2014 Avg. 516 % Change 82.4%
Jacksonville Avg. Containership Size (TEU)

- 2005 Avg. 2270
- 2014 Avg. 4218
- % Change 85.8%

Jacksonville Avg. Exchange (# of Containers)

- 2005 Avg. 666
- 2014 Avg. 408
- % Change -38.8%
Houston Avg. Containership Size (TEU)

2005 Avg. 3122  2014 Avg. 4353  % Change 39.4%

Houston Avg. Exchange (# of Containers)

2005 Avg. 739  2014 Avg. 848  % Change 14.8%
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Full Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAPA</td>
<td>American Association of Port Authorities</td>
</tr>
<tr>
<td>AAR</td>
<td>Association of American Railroads</td>
</tr>
<tr>
<td>AASHTO</td>
<td>American Association of State Highway and Transportation Officials</td>
</tr>
<tr>
<td>ATA</td>
<td>American Trucking Associations</td>
</tr>
<tr>
<td>BCO</td>
<td>beneficial cargo owner</td>
</tr>
<tr>
<td>CADRS</td>
<td>FMC’s Office of Consumer Affairs &amp; Dispute Resolution Services</td>
</tr>
<tr>
<td>CARB</td>
<td>California Air Resources Board</td>
</tr>
<tr>
<td>CBO</td>
<td>Congressional Budget Office</td>
</tr>
<tr>
<td>CBP</td>
<td>U.S. Customs and Border Protection</td>
</tr>
<tr>
<td>CCM</td>
<td>Consolidated Chassis Management</td>
</tr>
<tr>
<td>CPSC</td>
<td>U.S. Consumer Product Safety Commission</td>
</tr>
<tr>
<td>CTA</td>
<td>California Truckers’ Association</td>
</tr>
<tr>
<td>DCLI</td>
<td>Direct ChassisLink, Inc.</td>
</tr>
<tr>
<td>DCLP</td>
<td>Direct ChassisLink Pool</td>
</tr>
<tr>
<td>DOT</td>
<td>Department of Transportation</td>
</tr>
<tr>
<td>DVIR</td>
<td>driver vehicle inspection reports</td>
</tr>
<tr>
<td>FACAC</td>
<td>Federal Advisory Committee Act</td>
</tr>
<tr>
<td>FDA</td>
<td>Food and Drug Administration</td>
</tr>
<tr>
<td>FEU</td>
<td>forty-foot equivalent unit</td>
</tr>
<tr>
<td>FHWA</td>
<td>Federal Highway Administration</td>
</tr>
<tr>
<td>FMCSA</td>
<td>Federal Motor Carrier Safety Administration</td>
</tr>
<tr>
<td>FRATIS</td>
<td>Freight Advanced Traveler Information Systems</td>
</tr>
<tr>
<td>GACP</td>
<td>Grand Alliance Chassis Pool</td>
</tr>
<tr>
<td>GDP</td>
<td>gross domestic product</td>
</tr>
<tr>
<td>GPA</td>
<td>Georgia Ports Authority</td>
</tr>
<tr>
<td>GPS</td>
<td>Global Positioning System</td>
</tr>
</tbody>
</table>
HOS  hours of service
HTA  Harbor Trucking Association
HMTF  Harbor Maintenance Trust Fund
IC  Maryland Motor Truck Intermodal Council, Maryland Port Authority
ICTF  intermodal container transfer facility
IEP  intermodal equipment provider
ILA  International Longshoremen’s Association
ILWU  International Longshore and Warehouse Union
IMCC  Intermodal Carrier Committee
IOO  independent owner operator
IPI  inland point intermodal
JPA  Joint Powers Authority
LABP  Los Angeles Basin Pool
LMC  licensed motor carrier
M&R  maintenance and repair
MAP-21  Moving Ahead for Progress in the 21st Century
MARAD  U.S. Maritime Administration
METRIS  Metropolitan Transportation Information System
MPA  Maryland Port Authority
MTO  marine terminal operator
NACPC  North American Chassis Pool Cooperative
NCFRP  National Cooperative Freight Research Program
NIT  Norfolk International Terminal
OCEMA  Ocean Carrier Equipment Management Association
OECD  Organisation for Economic Co-operation and Development
P3s  public-private partnerships
PMA  Pacific Maritime Association
PMV  Port Metro Vancouver
PONYNJ  Port of New York/New Jersey
PPP    public-private partnerships
QCHAT  Quality Cargo Handling Action Team, Maryland Port Authority
RFID   radio-frequency identification
SACP   South Atlantic Chassis Pool
SPB    San Pedro Bay
STB    Surface Transportation Board
TEU    twenty-foot equivalent unit
THC    terminal handling charge
TIGER  Transportation Investment Generating Economic Recovery
TMF    traffic mitigation fee
TRB    Transportation Research Board
TTIP   Transatlantic Trade and Investment Partnership
TTP    Trans-Pacific Partnership
TTSI   Total Transportation Services, Inc.
TWIC   Transportation Worker Identification Credential
UIIA   Uniform Intermodal Interchange and Facilities Access Agreement
UPC    Unitary Pool Concept
USACE  U.S. Army Corps of Engineers
USMX   U.S. Maritime Alliance, Ltd.
VACIS  Vehicle and Cargo Inspection System
VOCC   Vessel-Operating Common Carrier
WBCT   West Basin Container Terminal
WCCP   West Coast Chassis Pool
WCMTDA West Coast Marine Terminal Operator Agreement
WTO    World Trade Organization