



## CORE MPO Freight Transportation Plan

Project Advisory Committee
August 13, 2014





## Agenda

9:30 - 9:45

9:45 - 10:00

10:00 - 10:45

10:45 - 11:00

11:00 - 11:40

11:40 - 11:55

11:55 - 12:00

Welcome-Introductions

Recap of FAC Meeting #1

CORE MPO Freight Transportation Plan Update

- Review outcomes of Subtasks 2.3, 2.5, and 4
  - Future freight growth forecast
  - Freight network bottleneck, safety and security issues
  - Economic development market analysis

BREAK

Workshop on Subtask 3

Land use assessment and analysis

Recap of breakout groups/What's

Next?

Conclusion and Adjournment





## Recap of FAC Meeting #1



1. Introduction

2. Data sources

Rail

LEHD

State Level

Crash Data

Traffic Data

**Bottlenecks** 

Airport Data

**SEDA** 

Other

**Zonal Data** 

3. FAF DISAGGREGATION

Port Assessment

Purpose of Disaggregation

**Disaggregation Inputs** 

**Disaggregation Outputs** 

FAF Version 3 Data

Additional Data

MPO Level

Georgia Statewide Freight and Logistics Plan (December 2011)

2.1.1

2.1.2

2.2.1

2.2.2

2.2.3 2.2.4

2.2.5

2.3.1

2.3.2

2.3.3

2.3.4

2.3.5

3.2.1

3.2.2

3.2.3

4. Next Steps

3.1 3.2

3.3

2.3

1.1 1.2

2.1

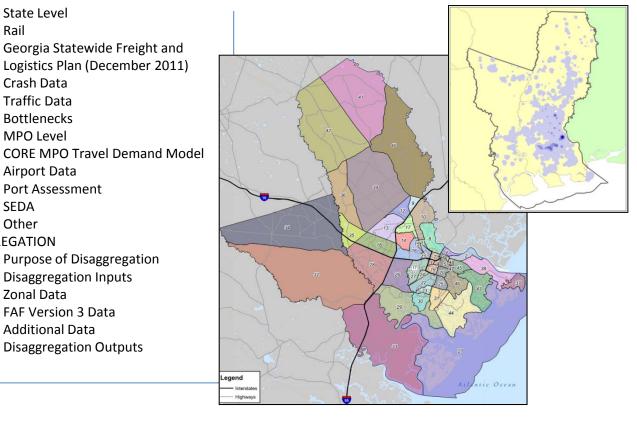
2.2



#### 2.1 Existing and Future...

	2014	Into		Out Of		Internal	
1	2011	Ktons	\$M	Ktons	\$M	Ktons	\$M
Study Purpose	Truck	37,663.7	38,794.5	42,243.3	64,684.1	16,691.6	15,878.6
Data Reference List	Rail	7,731.6	3,110.3	2,926.4	2,025.4	646.2	289.4
S	Water	3,008.8	2,396.5	7.0	4.0	5.2	0.7
National Level	Air	2.2	489.9	3.8	1,090.7	-	2.0
FAF	Multiple modes & other	15,504.8	15,313.3	11,421.9	12,883.4	9,016.3	4,478.1
LEUD	Courses Freight Anglysic Francouscyl, http://fof.org/ gov/fofisch/Default govy						

Source: Freight Analysis Framework, http://faf.ornl.gov/fafweb/Default.aspx







#### 2.2 Performance Measures

#### Consistent with:

- Moving Ahead for Progress in the 21st Century Act (MAP-21)
- CORE MPO 2035 LRTP Framework Mobility Plan
- FY2013-2016 Transportation Improvement Program
- Chatham County-Savannah Tricentennial Comprehensive Plan
- 2013 Georgia Statewide Strategic Transportation Plan
- Georgia Statewide Freight and Logistics Plan, 2010-2050

1. Introduction	on
1.1	Performance Measures and the Public
Sector	
1.2	National Focus: MAP-21
1.3	Performance Measures and the CORE
MPO	
2. Goals and	Objectives
2.1	National Freight Policy Goals
2.2	State Goals
2.3	CORE MPO Goals
3. Developm	ent of Freight Performance Measures
3.1	National Performance Measures
	and Requirements
3.2	Existing State Measures
3.3	Existing CORE MPO Measures
3.4	Examples from Other States
4. Recomme	nded Freight Performance Measures
4.1	Application and Implementation
5. Next Steps	5

Program	Measure Category	States to Establish Targets:
National Highway Performance Program	Interstate Pavement Condition on the NHS Non-Interstate Pavement Condition on the NHS Bridge Condition on NHS Performance of Interstate System Performance of Non-Interstate NHS	Within 1 year of final rule on national performance measures
Highway Safety Improvement Program	Serious Injuries per VMT Fatalities per VMT Number of Serious Injuries Number of Fatalities	Within 1 year of final rule on national performance measures
Congestion Mitigation and Air Quality	Traffic Congestion On-road mobile source emissions	Within 1 year of final rule on national performance measures
Freight Policy	Freight Movement on the Interstate	Periodically

Source: Federal Highway Administration, Office of Policy and Governmental Affairs, 2012



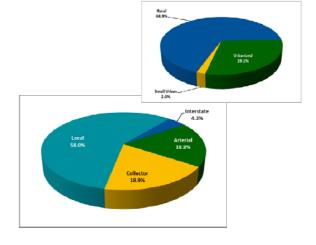




#### 2.4 Regional Profiles

- 1. Introduction
- 2. Highway System Freight Profile
- 2.1 Functional Class Descriptions
  - 2.1.1 Interstate and Freeway
  - 2.1.2 Arterial
  - 2.1.3 Collector
  - 2.1.4 Local
- 2.2 Study Area Summary
- 2.3 Pavement Condition
- 2.4 Railroad Crossings
- 2.5 Bridges
- 3. Rail System Profile
  - 3.1 Existing Needs and Issues
- 4. Air Cargo Profile
- 4.1 Savannah-Hilton Head International Airport (SAV)
- 4.2 Hunter AAF (SVN)
- 4.3 Hodges Air Park (GA39)
- 4.4 Swaids Field (2GA2)
- 4.5 Briggs Field (GA43)
- 4.6 Briar Patch (9GA1)
- 4.7 Existing Needs and Issues
- 5. Intermodal System Profile
- 6. Port System Profile
- 6.1 Port of Savannah
  - 6.1.1 Garden City Terminal
  - 6.1.2 Ocean Terminal
- 6.2 Existing Needs & Issues





Port	Number of Vessel Calls	Capacity of Calls
Savannah	2,219	112,557

Source: http://www.navigationdatacenter.us/

Commodity	Georgia Central	Golden Isles	Savannah Port
Automobiles		Х	
Coal	Х		
Chemicals	Х	Х	Х
Farm & Food Products	Х	Х	
Forest	Х		
Stone	Х		
Plastics	Х		
Paper	Х		Χ
Intermodal			Χ
Machinery			Х

Source: Genesse & Wyoming, INC., http://www.gwrr.com





## TM 2.3 Forecasting Future Growth – Data Sources

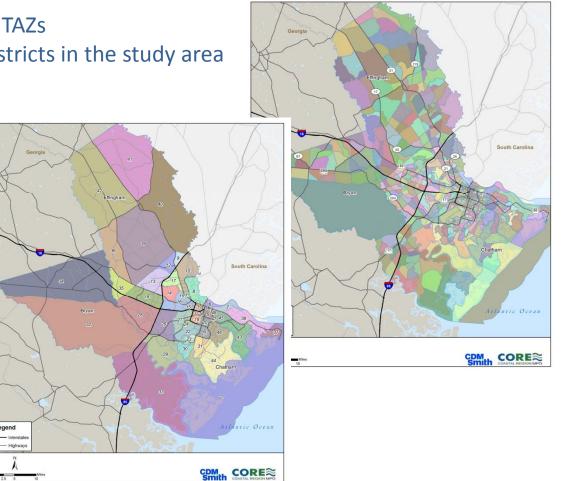
- Freight Analysis Framework (FAF)
  - National Freight flow information
    - Tonnage
    - Value
    - Domestic ton-miles by region
      - Origin and destination
      - Commodity type
      - Mode of travel
- Longitudinal Employer Household Dynamics (LEHD) database
  - Census data
  - Government surveys
  - Administrative sources
    - Unemployment insurance earnings data
    - Quarterly Census of employment and wages data





## Freight Forecasting Geographic Areas

- **Zonal Data** 
  - 796 internal TAZs
  - 48 freight districts in the study area







## FAF Results – Values by Mode for 2011 and 2040

#### 2011 Mode Values

2011	Into Sava Reg		Out Of Sav Reg		Inte	rnal
	KTons	\$M	KTons	\$M	KTons	\$M
Truck	37,663.7	38,794.5	42,243.3	64,684.1	16,691.6	15,878.6
Rail	7,731.6	3,110.3	2,926.4	2,025.4	646.2	289.4
Water	3,008.8	2,396.5	7.0	4.0	5.2	0.7
Air	2.2	489.9	3.8	1,090.7		2.0
Multiple modes & other	15,504.8	15,313.3	11,421.9	12,883.4	9,016.3	4,478.1

Source: Freight Analysis Framework, http://faf.ornl.gov/fafweb/Default.aspx

#### 2040 Mode Values

				Inte	rnal
KTons	\$M	KTons	\$M	KTons	\$M
85,123.1	103,822.2	89,371.6	170,871.0	31,256.2	36,468.0
11,516.8	6,042.2	5,866.8	5,866.5	1,426.5	613.3
2,354.5	1,868.1	20.8	4.5	15.4	2.2
6.5	1,335.3	11.8	3,416.7	5,054.8	5,305.0
35,883.6	46,514.0	26,936.9	38,534.2	15,679.2	6,132.0
	Reg KTons 85,123.1 11,516.8 2,354.5 6.5 35,883.6	85,123.1 103,822.2 11,516.8 6,042.2 2,354.5 1,868.1 6.5 1,335.3 35,883.6 46,514.0	Region         Reg           KTons         \$M         KTons           85,123.1         103,822.2         89,371.6           11,516.8         6,042.2         5,866.8           2,354.5         1,868.1         20.8           6.5         1,335.3         11.8	Region         Region           KTons         \$M         KTons         \$M           85,123.1         103,822.2         89,371.6         170,871.0           11,516.8         6,042.2         5,866.8         5,866.5           2,354.5         1,868.1         20.8         4.5           6.5         1,335.3         11.8         3,416.7           35,883.6         46,514.0         26,936.9         38,534.2	Region         Region         Interest           KTons         \$M         KTons         \$M         KTons           85,123.1         103,822.2         89,371.6         170,871.0         31,256.2           11,516.8         6,042.2         5,866.8         5,866.5         1,426.5           2,354.5         1,868.1         20.8         4.5         15.4           6.5         1,335.3         11.8         3,416.7         5,054.8           35,883.6         46,514.0         26,936.9         38,534.2         15,679.2

Source: Freight Analysis Framework, http://faf.ornl.gov/fafweb/Default.aspx





## Top Commodity by Tonnage via Truck – 2011 and 2040

Top 10 Commodity by Tonnage by Truck (2011)

Import		Export			
Commodity	KTons	% of total	Commodity	KTons	% of total
Nonmetallic minerals	4,489.8	12.0%	Coal-n.e.c.	5,059.9	20.7%
Logs	3,678.5	9.8%	Mixed freight	3,238.9	13.2%
Nonmetal min. prods.	3,525.2	9.4%	Nonmetal min. prods.	1,835.4	7.5%
Waste/scrap	2,981.8	8.0%	Other foodstuffs	1,244.8	5.1%
Newsprint/paper	2,631.6	7.0%	Machinery	1,098.1	4.5%
Fertilizers	2,393.5	6.4%	Waste/scrap	1,077.6	4.4%
Gasoline	2,280.6	6.1%	Fuel oils	959.3	3.9%
Fuel oils	1,543.4	4.1%	Nonmetallic minerals	932.1	3.8%
Basic chemicals	1,275.1	3.4%	Newsprint/paper	919.2	3.8%
Coal-n.e.c.	1,158.0	3.1%	Base metals	804.9	3.3%

Top 10 Commodity by Tonnage by Truck (2040)

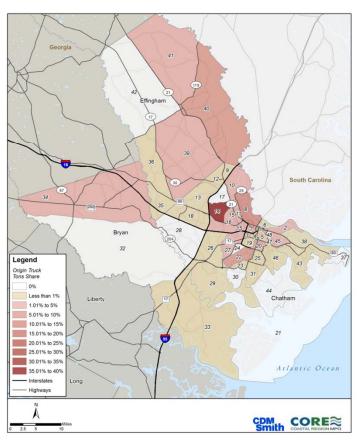
In	Import		Export		
Commodity	KTons	% of total	Commodity	KTons	% of total
Nonmetallic minerals	20,032.4	23.8%	Other foodstuffs	9,656.9	10.9%
Nonmetal min. prods.	7,854.3	9.3%	Nonmetal min. prods.	9,312.0	10.5%
Newsprint/paper	6,998.0	8.3%	Coal-n.e.c.	8,824.9	10.0%
Waste/scrap	6,109.0	7.3%	Mixed freight	8,603.4	9.7%
Logs	3,932.8	4.7%	Nonmetallic minerals	5,578.0	6.3%
Meat/seafood	3,393.8	4.0%	Machinery	5,044.1	5.7%
Plastics/rubber	3,228.9	3.8%	Newsprint/paper	4,539.7	5.1%
Gasoline	3,075.8	3.7%	Waste/scrap	3,891.1	4.4%
Basic chemicals	2,852.3	3.4%	Chemical prods.	3,399.1	3.8%
Fertilizers	2,386.2	2.8%	Furniture	3,390.7	3.8%



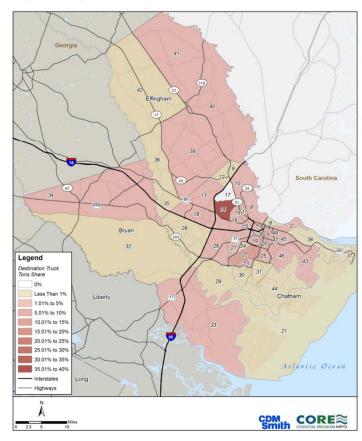


# Trucks Tonnage – Incoming vs. Outgoing

Truck Tons <u>from</u> the Study Area (2011)



Truck Tons **to** the Study Area (2011)







## Top Commodity by Tonnage via Rail – 2011 and 2040

Top 10 Commodity by Tonnage by Rail (2011)

Import		Export			
Commodity	KTons	% of total	Commodity	KTons	% of total
Fertilizers	2,681.8	34.7%	Newsprint/paper	796.7	27.3%
Newsprint/paper	1,464.5	19.0%	Coal-n.e.c.	581.7	19.9%
Nonmetallic minerals	814.9	10.6%	Basic chemicals	362.3	12.4%
Gravel	723.2	9.4%	Other foodstuffs	305.4	10.5%
Basic chemicals	557.5	7.2%	Nonmetallic minerals	239.9	8.2%

Top 10 Commodity by Tonnage by Rail (2040)

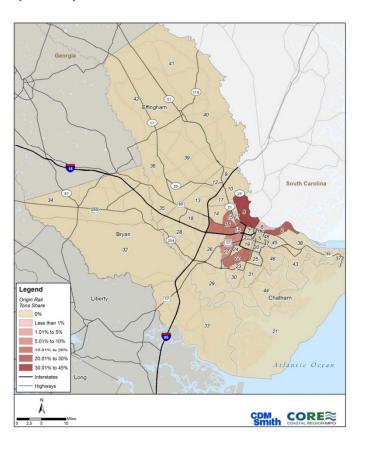
Import		Export			
Commodity	KTons	% of total	Commodity	KTons	% of total
Newsprint/paper	2,861.7	24.9%	Other foodstuffs	1,574.1	26.9%
Fertilizers	2,787.0	24.3%	Newsprint/paper	1,293.0	22.1%
Gravel	1,239.0	10.8%	Basic chemicals	734.7	12.5%
Nonmetallic minerals	1,229.4	10.7%	Nonmetallic minerals	704.4	12.0%
Basic chemicals	715.5	6.2%	Chemical prods.	242.8	4.1%



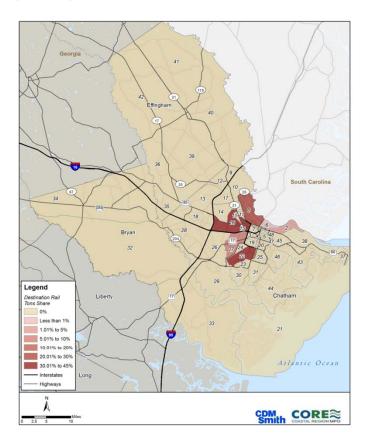


# Rail Tonnage – Incoming vs. Outgoing

Rail Tons <u>from</u> the Study Area (2011)



Rail Tons **to** the Study Area (2011)







### TM 2.3 Forecasting Future Growth

Additional Questions/Comments?



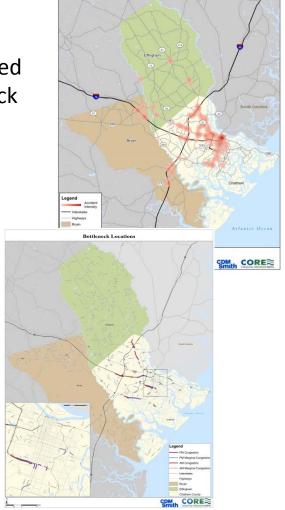


## 2.5 Freight Network Bottleneck, Safety Security Issues

- Safety and Security
  - "Hot Spots" were identified and analyzed
  - "Hot Spots" are locations with high truck crashes or rail related accidents

#### Bottlenecks

- AM and/or PM time period
- Traffic direction
- Level of service (LOS) grade from the survey
- Weighted according to AADT on the segment







## "Hot Spot" Methodology

- Crash Density Mapping
- Hot Spot Segment Identification
  - Data Processing and Definition of 'Segment'
  - Crash Severity Index

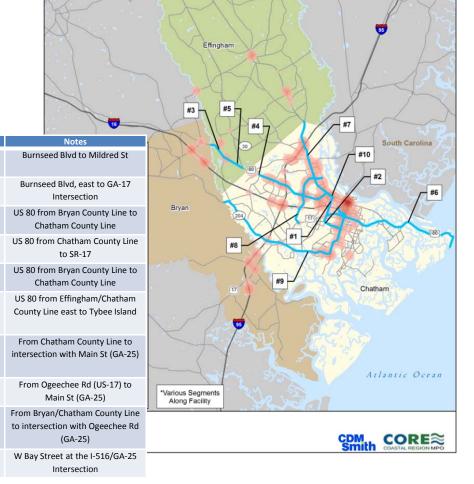
Rating	Crash Severity	Facility Type (FC)
1	PDO, 0 Fatalities, 0 Injuries	FC Lower than State Highway
2	0 Fatalities, 1 Injury	State Highway
3	0 Fatalities, >= 2 Injuries	US Highway
4	>= 1 Fatality	Interstate

Total Crash Counts and Final Ranking





### "Hot Spot" Results





Segment Name

Augusta Rd/GA-21

Augusta Rd/GA-21

US 80

US 80

US 80

US 80

Augusta Rd/GA-21

Dean Forest Rd

State Route 204

West Bay St

8

10

Scoring

3.5, 184 crashes on-

segment. See \*Note

3.5, 184 crashes on-

segment. See \*Note

3.5, 10 crashes on-

segment

3.5, 5 crashes on-

segment See \*Note

3.5, 2 crashes on-

segment

3.0, 184 crashes on-

segment

3.0, 184 crashes on-

segment

3.0, 109 crashes on-

segment

3.0, 64 crashes on-

segment

3.5. 184 crashes on-

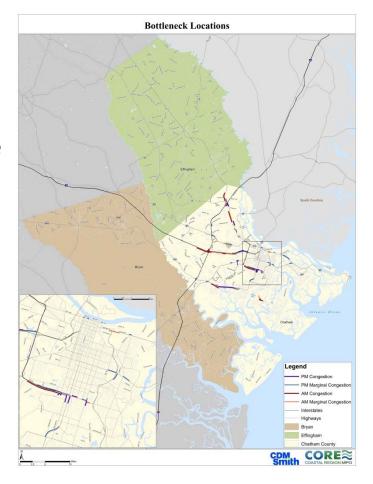
segment. See \*Note





### **Bottleneck Methodology**

- AM and/or PM time period
- Traffic direction
- Level of service (LOS) grade from the survey
- Weighted according to AADT on the segment







#### **Bottleneck Results**

#### AM Congestion with PM Marginal Congestion

Rank	Segment Name	Level of Service (Worst-Case Daily)	Notes
1	Fort Argyle Rd/Abercorn St	"F" for both Eastbound and Westbound Segments	From Sweetwater Station Drive to King George Blvd. This is the only facility showing AM Congestion and PM Marginal Congestion in the study area.

#### AM and PM Marginal Congestion

Rank	Segment Name	Level of Service (Worst-Case Daily)	Notes
1	US 80	"D" for Eastbound and "E" for	From Dean Forest Rd to Griffin Ave. This is the only facility showing AM and PM Marginal
		Westbound	congestion in the study area.





#### **Bottleneck Results**

#### **AM Congestion**

Rank	Segment Name	Level of Service (Worst-Case Daily)	Notes
1	Diamond Cswy	"F" for Northbound and "D" for Southbound	From Ferguson Ave to Pin Point Ave
2	Ferguson Ave	None Available	From Pin Point Ave to Diamond Cswy
3	Fort Argyle Rd	"F" for Eastbound and Westbound	From Ford Ave to Sweetwater Station Drive
4	I-16 Eastbound	"F" and "E" for Eastbound Segments	12 Segments included; From Pooler Parkway to I-95
5	I-16 Eastbound Ramp	"F" and "E" for Eastbound Segment	Ramp to Eastbound I-16 at Dean Forest Road





#### **Bottleneck Results**

#### **PM Congestion**

Rank	Segment Name	Level of Service (Worst-Case Daily)	Notes
1	Abercorn St	"E" Eastbound and Westbound	From Janet Dr to East DeRenne Ave
2	Augusta Rd	"F" Northbound and Southbound	From Hendley Rd to I-95 NB Onramp
3	I-95 Off ramp	"A" and "B" for ramp segments	At Exit #109 to Augusta Rd
4	Ogeechee Rd	"D" and "F" for Eastbound and Westbound segments	Chatham Parkway to Red Gate Farms Rd
5	Waters Drive	"E" for Northbound and "C" for Southbound	From Althea Pkwy to E De Renne Ave





## TM 2.5 Freight Network Bottleneck, Safety Security Issues

Additional Questions/Comments?





## 4 Economic Development Market Assessment

- Economy and Population
- Economic Role of Freight
- Supply Chain and Transportation
- Areas of Future Growth



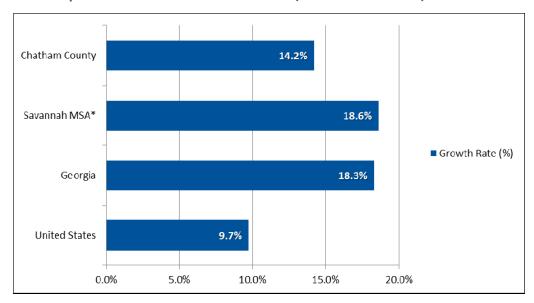


### **Economy and Population**

Population Growth (2010 – 2030)

Population Area	2010	2020	2030	Population Growth (2010 – 2030)
Chatham County	265,128	306,088	354,945	33.9%
Savannah MSA	347,611	407,571	477,917	37.5%
Georgia	9,687,653	11,326,787	13,154,530	35.8%

■ 10-Year Population Growth Rates (2000 – 2010)







### Economic Role of Freight

#### Top Fifteen Manufacturing Companies and Commodities

Company	Commodity/Service	
Gulfstream Aerospace Corporation	Jet aircraft, Aerospace equipment	
International Paper	Paper products, Chemicals, Corrugated containers and packaging	
JCB Americas, Inc.	Agricultural equipment, Construction equipment	
Imperial Sugar	Refined sugar	
Brasseler USA, Inc.	Dental instruments	
Mitsubishi Power Systems Americas, Inc.	Power plant gas and steam turbines	
Weyerhauser	Bleached pulp	
Derst Baking Company	Bread, rolls, cakes	
Diamond Crystal Brand	Salt, Pepper, Sugar packaging	
Roger Wood Foods	Smoked sausages, Smoked meats	
Kerry Ingredients and Flavours	Formulation, manufacture, and containerization of technological-based flavors, ingredients, and integrated solutions	
Savannah Morning News	Information company	
Arizona Chemical	Specialty resins, Pine-based chemicals	
EMD Chemical	Industrial pigments	
Orafol	Adhesive film	

Source: Savannah Economic Development Authority, April 2014





### Economic Role of Freight

#### Transportation and Warehousing Companies and Commodities

Company	Commodity/Service
CSX Transportation	Freight Railroad
Home Depot	Home improvement supplies
Dollar Tree Stores	Sundry retail product distribution
Coca-Cola Bottling Company United	Soft drink/water bottling warehouse
Target	Sundry retail import center
Pier 1 Imports	Household goods
Schneider	Warehousing, Distribution, Export Packaging
CalCartage	Warehousing for K-Mart
Chatham Steel Corporation	Steel service center
IKEA Wholesale Inc.	Furniture distribution

NOTE: As determined by number of employees.

Source: Savannah Economic Development Authority, April 2014





#### Labor Force and Employment

#### **Distribution Company Employment**

Company	Employment Numbers
Gulfstream Aerospace Corporation	9,382
Georgia Ports Authority*	988
International Paper	600
JCB Americas, Inc.	558
Imperial Sugar	450
Brasseler USA, Inc.	420
Mitsubishi Power Systems Americas, Inc.	420
CSX Transportation	308
Derst Baking Company	273
Dollar Tree Stores	271

<sup>\*</sup> Georgia Port Authority is classified as under the government industry because it is not a private company.

Source: Savannah Economic Development Agency, 2014.

#### Highest Level of Education of the Labor Force in the Savannah MSA

Education Level	Percentage Share
Elementary	3.5%
Some High School	10.5%
High School/GED	31.6%
Some College	23.5%
College Grad 2 year	7.1%
College Grad 4 year	15.9%
Post Grad Studies	7.9%
Total	100%

Source: Georgia Department of Labor. 2013. Chatham County Area Labor Profile





# Employment – Residence Commuting Patterns (2010)

Employed Residents of Chatham County		Persons Work in Chatham County	
<b>County Where Employed</b>	Percentage of Share	County of Residence	Percentage of Share
Chatham, GA	93.6%	Chatham, GA	74.6%
Liberty, GA	1.3%	Effingham, GA	9.0%
Effingham, GA	1.3%	Bryan, GA	4.9%
Beaufort, SC	1.2%	Liberty, GA	2.8%
Bryan, GA	0.7%	Bulloch, GA	2.5%
Bulloch, GA	0.2%	Beaufort, SC	1.1%
Jasper, SC	0.2%	Jasper, SC	0.7%
Glynn, GA	0.1%	Long, GA	0.3%
Other	1.3%	Other	4.1%
Total	100%	Total	100%

Source: Georgia Department of Labor, 2013. Chatham County Area Labor Profile





## Supply Chain and Transportation Trucks

#### Georgia Domestic Truck Volumes (in 2012)

Freight Movement Direction	Freight Weight (in Tons)	Cargo Value	Number of Truck Freight Movements
Inbound to Georgia	97,490,043	\$363.82 Billion	8,213,232
Outbound to Georgia	111,713,106	\$338.12 Billion	8,687,179
Moved Inside Georgia	203,312,198	\$325.90 Billion	21,340,695
Passed Through Georgia	185,345,836	\$765.50 Billion	10,403,516
Total	597,861,184	\$1.79 Trillion	48,644,621

Source: Georgia Center of Innovation for Logistics. 2013 Georgia Logistics Report.

#### Chatham County Truck Volumes (in 2013)

Truck Freight	Inbound	Outbound
Weight (In Tons)	8,115,841	23,030,519
Value	\$18,148,574,000	\$43,320,545,645
Number of Truck Freight Movements	1,125,243	1,253,618

Source: Georgia Center of Innovation for Logistics. 2013. Chatham County Logistics Spotlight





## Supply Chain and Transportation Rail

#### Chatham County Rail Volumes (in 2013)

Rail Freight	Inbound	Outbound	Within
Weight (In Tons)	2,958,165	1,709,255	4,664,517
Value	\$6,447,396,538	\$4,078,182,862	\$4,707,837,793
Number of Truck Freight Movements	37,961	20,878	52,350

Source: Georgia Center of Innovation for Logistics. 2013. Chatham County Logistics Spotlight





# Supply Chain and Transportation Seaport

#### Top Ten Exports and Imports (in 2012)

	Exports		Imports	
Rank	Commodity	Amount (in TEUs)	Commodity	Amount (in TEUs)
1	Wood pulp	178,654	Furniture	143,412
2	Food	157,531	Retail and consumer goods	132,244
3	Paper and paperboard	144,710	Machinery, appliances, and electronics	121,482
4	Clay	97,054	Hardware and housewares	98,877
5	Automotive	87,778	Automotive	96,576
6	Machinery, appliances, and electronics	80,760	Food	80,078
7	Fabrics/raw cotton	74,877	Apparel	55,800
8	Chemicals	73,871	Toys	49,666
9	Retail and consumer goods	63,299	Minerals	49,373
10	Resins and rubber	61,021	Chemicals	36,436
	Other	214,324	Other	220,900
	Total	1,233,877	Total	1,084,844

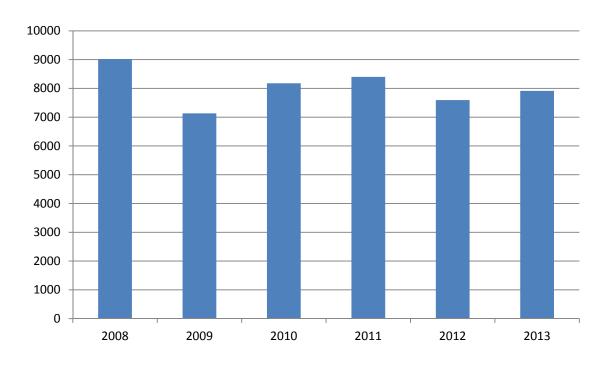
Source: Georgia Center of Innovation and Logistics. 2013 Georgia Logistics Report





## Supply Chain and Transportation Air

Air Cargo at Savannah/ Hilton Head International Airport (Freight/Express Mail in Tons)







## Economic Contributions from Port of Savannah

- \$66.9 billion in sales
- \$32.4 billion in state GDP
- \$18.5 billion in income
- 352,146 full- and part-time jobs

- \$4.5 billion in federal taxes
- \$1.4 billion in state taxes
- \$1.1 billion in local taxes

- Port of Savannah's revenues account for 9.5 percent of the entire state of Georgia's total sales.
- Port related employment accounts for 8.3 percent of the total employment in the state





## TM 4 Economic Development Market Assessment

Additional Questions/Comments?





### **BREAK**





### Workshop Exercise – Part I

- Overview of Task
  - Limitation because of lack of some jurisdiction's land use or zoning data

#### **Zoning Classifications**

- Future Land Use Categories
- Zoning Districts and Uses
- Board of Assessors
- Warehouse/Storage Locations





### Workshop Exercise – Part II

- Exercise Attendees would form break out groups of about four members and address the following questions:
  - What Warehouse/Storage existing or planned uses are not identified by the triangles (Warehouses) and "green and black lines"?
  - What are lands not now identified for freight industry uses that have potential for warehouse uses? (Please note areas on the maps)
  - What areas identified as freight areas but should not be based on a reality check (EJ area, impact on other land uses, poor transportation links, or other criteria)?





#### Next Steps

- Draft and Finish
  - Task 2.6 Freight Needs Assessment
  - Task 3 Land Use Assessment and Analysis
  - Task 4 Economic Development Market Assessment
  - Task 5 Environmental and Community Impact Scan and Analysis
- Conduct and Complete
  - Task 6 Recommendations for Future Land Uses Related to Freight Goods Movement Needs and Forecast
  - Task 7 Final Recommendations Identification of Improvements,
     Strategies, and Solutions
- Discuss each of these task's outcomes with you
- Hold a workshop on Recommendations





### **Next FAC Meeting**

- Mark your calendar Wednesday, December 3, 2014
- Meeting location any suggestions?

### Freight Study Website

http://www.thempc.org/Transportation/FreightTransportationPlans.html

Thank You!