

Transportation and Economic Impacts of the Freight Industry in Miami-Dade

Final Report

presented to

**Miami-Dade County Metropolitan Planning Organization
Freight Transportation Advisory Committee**

presented by

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Agenda

- Overview
- Miami-Dade's Freight Infrastructure
- How Significant is Goods Movement in the Region?
- Why is Freight Important to Miami-Dade?
- How Much Freight-Related Economic Activity will there be in the Future?
- How will the Findings from this Study be Used?

Overview

- Miami-Dade County is home to a well-established freight transportation system serving as the cornerstone of the region's economy
- Freight activity has positive impact on the economy, but it also has adverse impact
- The ***Transportation and Economic Impacts of the Freight Industry in Miami-Dade County Study*** provides the County with a critical tool to help understand the magnitude of the freight industry
- This study documents direct impacts of the freight industry and applies economic multipliers to determine full impact on the economy
- The findings will be critical as Miami-Dade continues to position itself to compete on a global scale

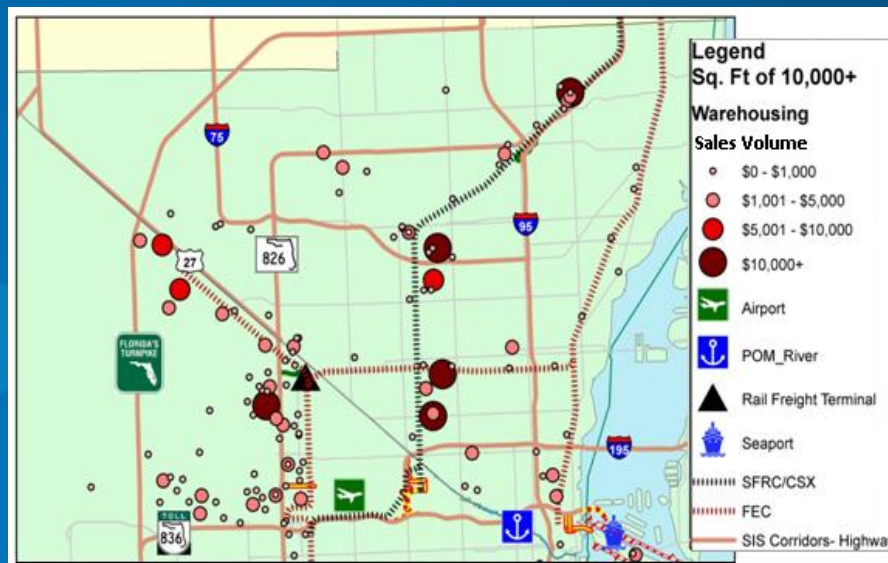
Miami-Dade's Freight Infrastructure

- Miami is an international destination dominated by tourism, international trade, agriculture and mining, and natural resources
- Miami International Airport handles almost 80 percent of Florida's air cargo and is the 12th busiest cargo airport in world
- Port of Miami is the largest container port in Florida and the “cruise capital of world”
- Miami River provides key niche waterborne cargo services to Caribbean ports and supports an active industrial core



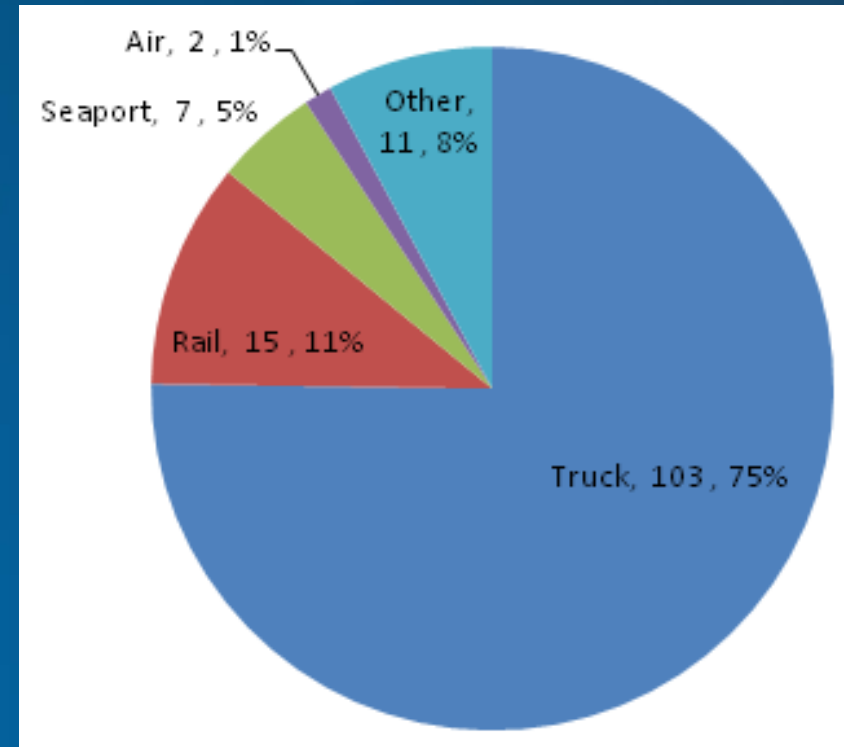
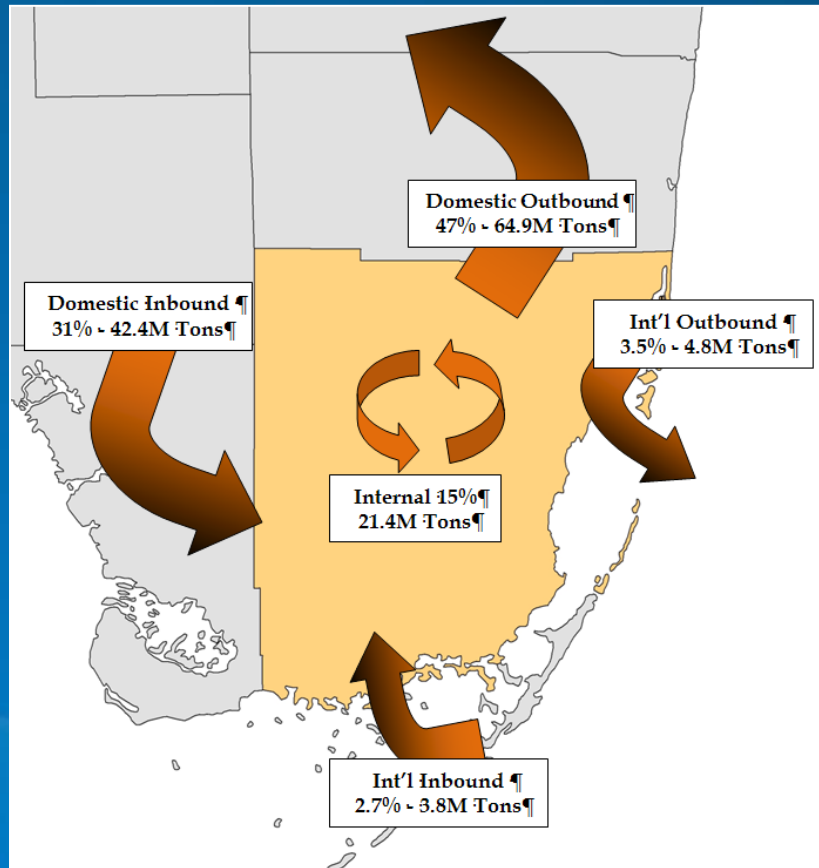
Miami-Dade's Freight Infrastructure (continued)

- FEC and CSX connect South Florida to the rest of North America, providing intermodal and carload services
- Mature warehouse/distribution center infrastructure is in place in western Miami-Dade County that supports all of South Florida
- Well established network of roadways serve all the key freight hubs and activity centers and provide regional mobility



How Significant is Goods Movement in the Region?

- Miami-Dade's freight infrastructure handled over 137 million tons of domestic and international freight in 2010 – this number is forecast to grow to 222 million tons by 2035

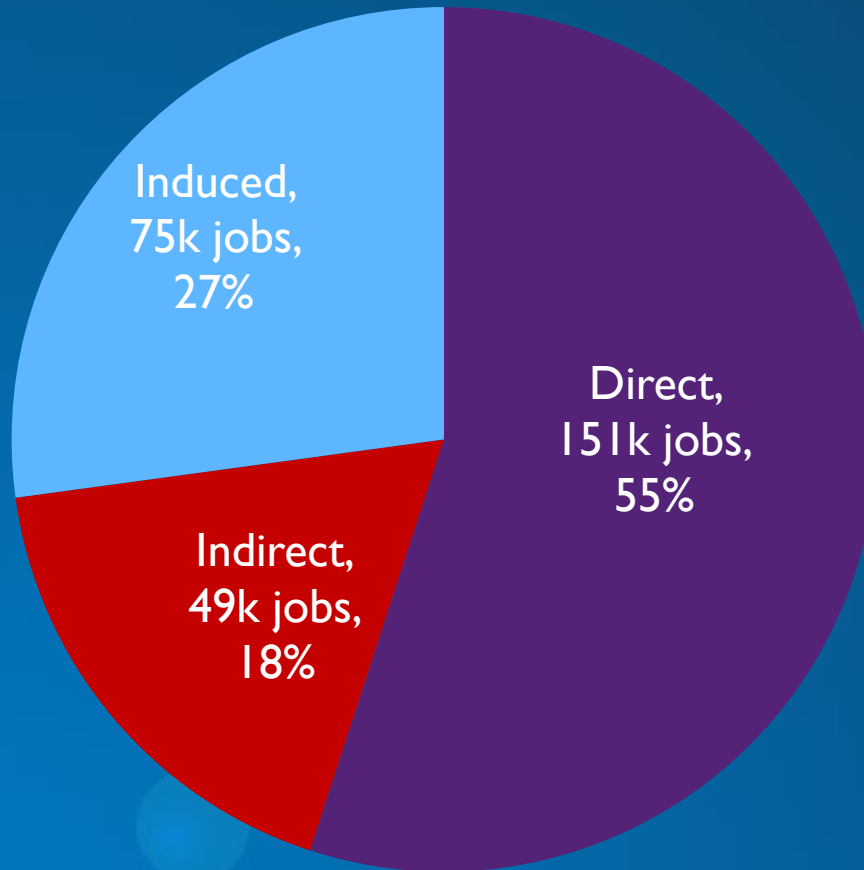


Why is Freight Important to Miami-Dade?

- Freight and logistics permeates all aspects of the economy from the import of consumer products at POM to the delivery of milk to your local supermarket
- Supports local economy through well-paying jobs
- Helps maintain a lower cost of living through lower transportation costs
- An efficient freight transportation system allows businesses to be more competitive, which supports economic development and expansion



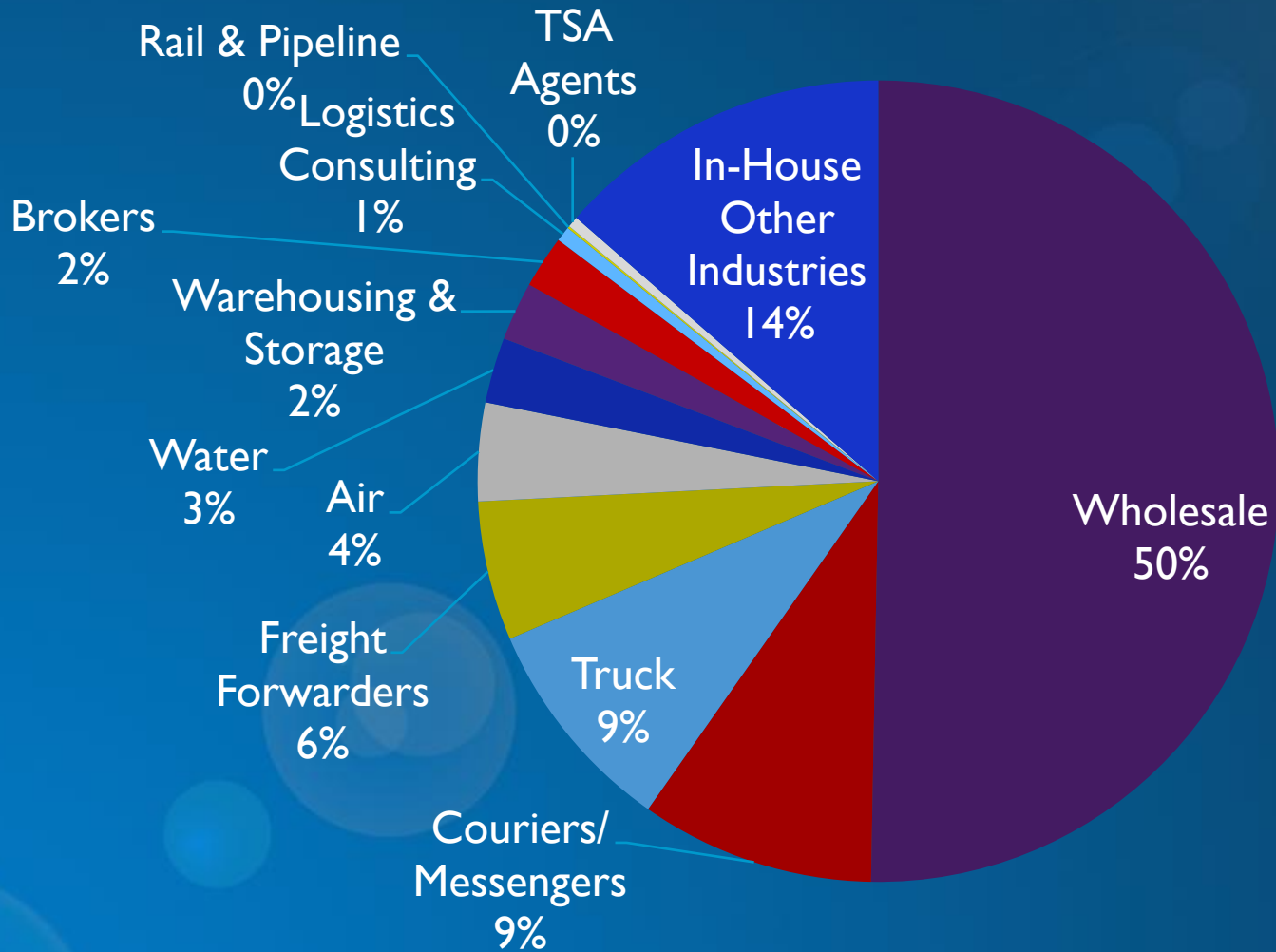
Why is Freight Important to Miami-Dade?



Metric	Total
Jobs	274,552
Labor Income (millions)	\$ 14,886
Average Compensation	\$ 54,219
GRP (millions)	\$ 25,106
Economic Output (millions)	\$ 42,796

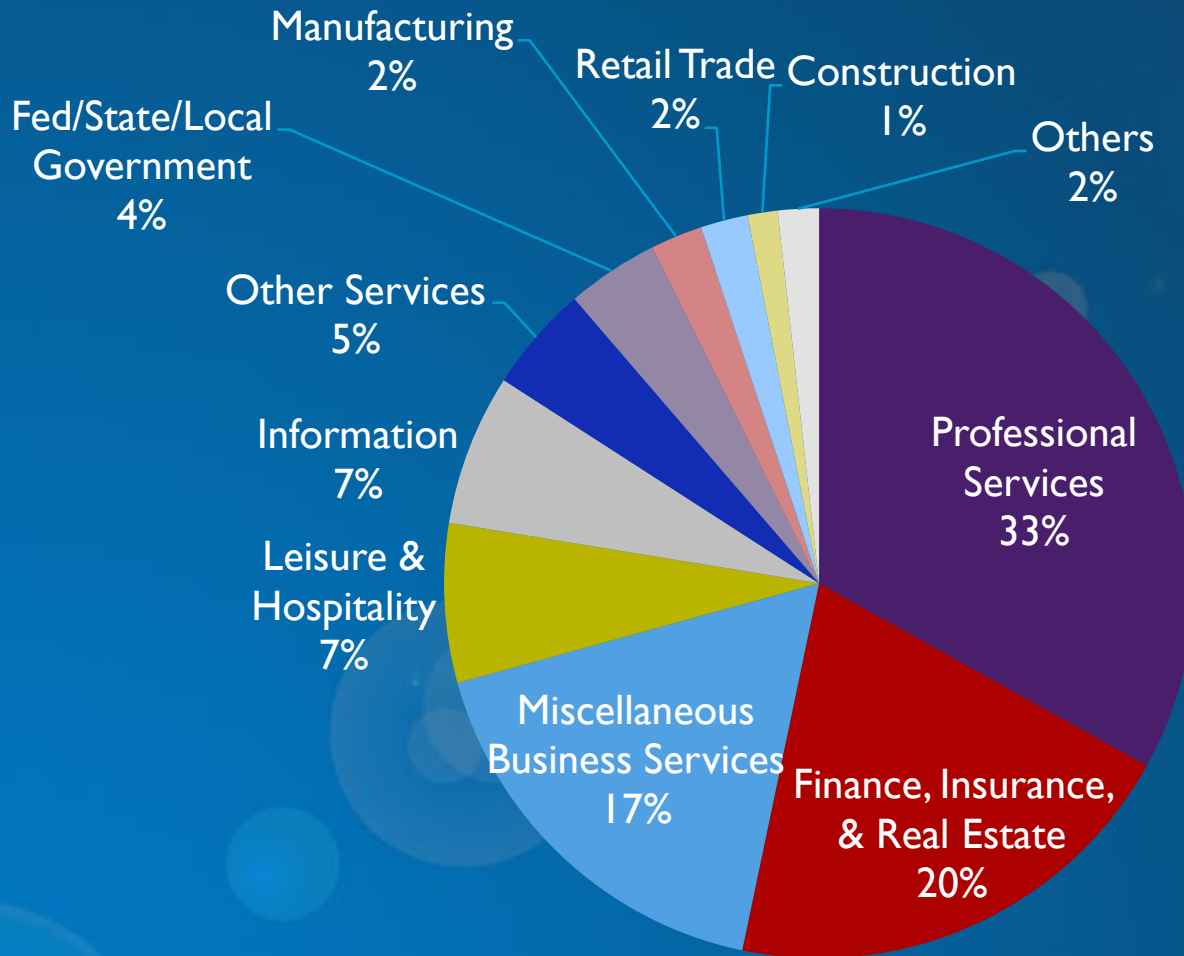
Why is Freight Important to Miami-Dade?

Direct Jobs



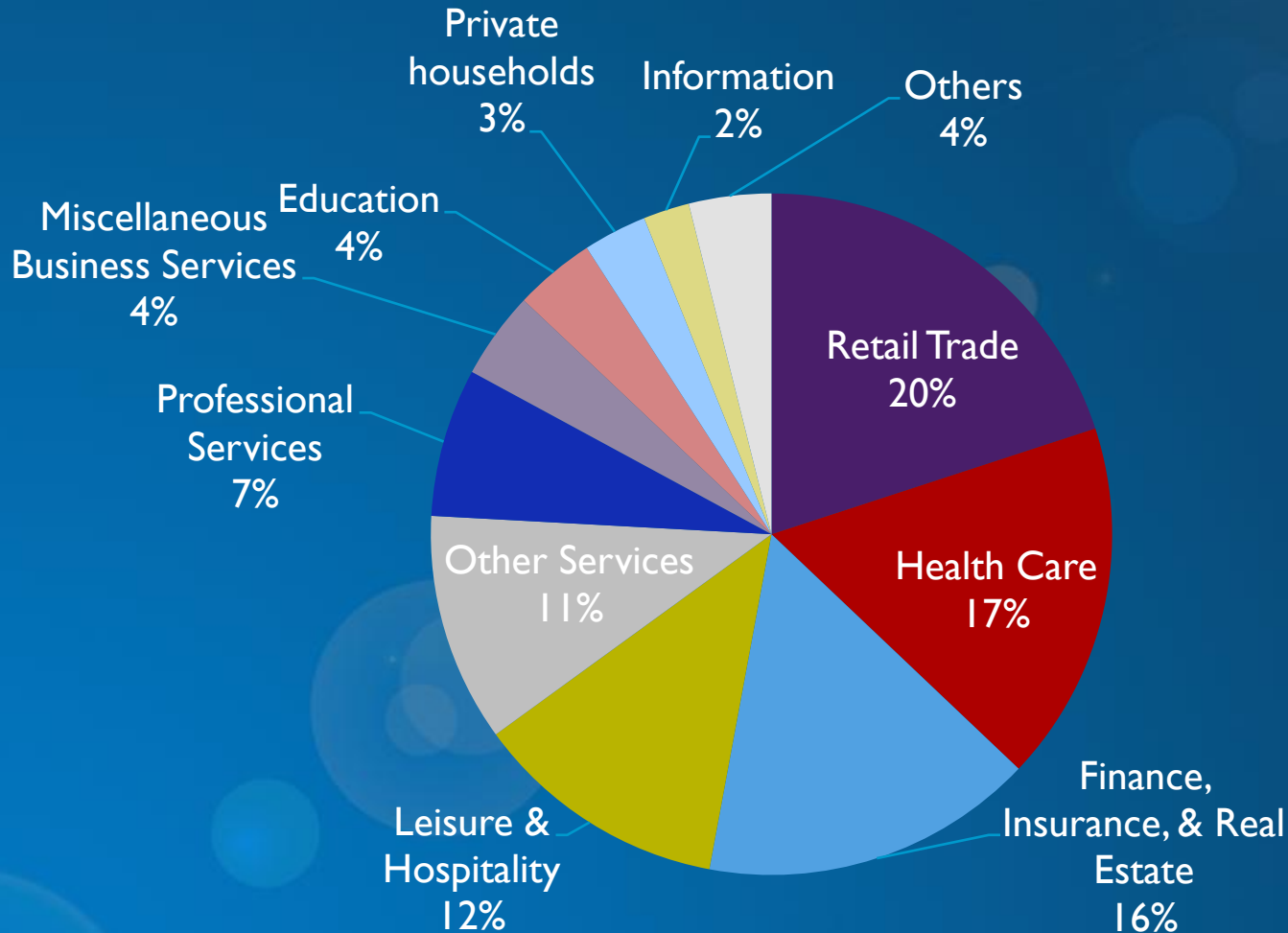
Why is Freight Important to Miami-Dade?

Indirect Jobs



Why is Freight Important to Miami-Dade?

Induced Jobs



Why is Freight Important to Miami-Dade?

Other Direct Positive Impacts

- Tax Revenue

- » Equipment Taxes
- » Truck Registration
- » Fuel Taxes
- » Real Estate Taxes
- » Business Taxes



- Investment on Freight-Related Construction Projects

Why is Freight Important to Miami-Dade?

Negative Impacts/Costs

- Congestion delay (from trucks on the road)
- Road maintenance attributable to truck traffic
- Rail crossing delay attributable to freight trains

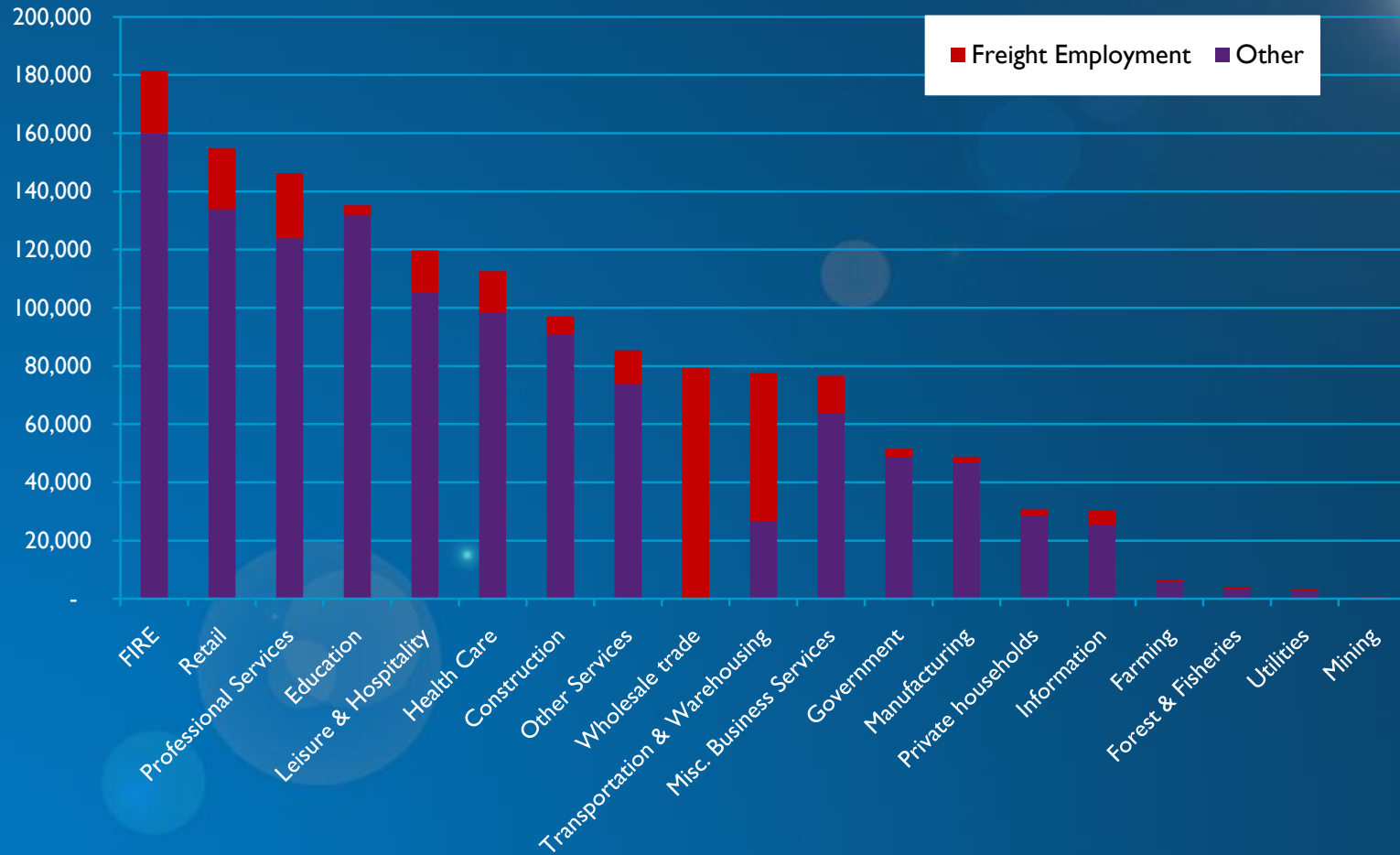


Why is Freight Important to Miami-Dade?

Impact Type	Metric	2008 Impact	Source
Positive	Jobs	274,552	IMPLAN/CBP/CS
	Output	\$42,796	IMPLAN/CBP/CS
	Labor Income	\$14,886	IMPLAN/CBP/CS
	GRP	\$25,106	IMPLAN/CBP/CS
	Equipment Taxes	\$9	Miami-Dade County
	Truck Registrations	\$272	Miami-Dade County
	Fuel Taxes	\$11	FL Dept of Revenue
	Real Estate Taxes	\$249	Miami-Dade County
	Business Taxes	\$1	Miami-Dade County
	Freight-Related Construction Projects	\$310	Miami-Dade County
Negative	Road Maintenance	\$102	FDOT/FHWA
	Congestion	\$297	FDOT/FHWA
	Rail Crossings	\$2	CS/FDOT

- Net Economic Impact = \$25.6 billion in 2008

Why is Freight Important to Miami-Dade?



How Much Freight-Related Economic Activity will there be in the Future?

- Panama Canal Expansion
- Deep Dredge at the Port of Miami
- Port of Miami Tunnel
- Port of Miami Rail Connection
- Reconstruction of 836/826 Interchange
- 25th Street Viaduct



How Much Freight-Related Economic Activity will there be in the Future?

- Combined forecasts from the POM, MIA, Trade and Logistics Study, and the MPO's LRTP

Macro Industry	2008 Jobs	2035 Jobs	CAGR	Source*
Wholesale trade	76,075	102,339	1.1%	Population LRTP
Messenger	14,302	22,805	1.7%	T&L Study Truck Traffic
Truck	13,347	21,283	1.7%	T&L Study Truck Traffic
Freight Forwarders	8,513	26,360	4.3%	Mixed MIA and POM
Air	6,300	16,602	3.7%	Miami International
Water	4,345	13,948	4.4%	Port of Miami
Warehousing & Storage	3,581	11,089	4.3%	Mixed MIA and POM
Brokers	3,212	9,946	4.3%	Mixed MIA and POM
Logistics Consulting	915	1,457	1.7%	Average from T&L
Rail & Pipeline	134	161	0.7%	T&L Study
In-House	20,591	32,793	1.7%	Average from T&L
Total	151,314	258,785	2.0%	

How Much Freight-Related Economic Activity will there be in the Future?

- Total job growth of 65% over the 27 years
- Average growth of approximately 2% annually

Impact Type	Metric	2008 Impact	2035 Impact	Resulting CAGR
Positive	Jobs	274,552	453,949	1.88%
	Output	\$42,796	\$70,648	1.87%
	Labor Income	\$14,886	\$24,025	1.78%
	Value Added (GRP)	\$25,106	\$40,088	1.74%
	Equipment Taxes	\$9	\$13	1.41%
	Truck Registrations	\$272	\$433	1.74%
	Fuel Taxes	\$11	\$17	1.74%
	Real Estate Taxes	\$249	\$412	1.88%
	Business Taxes	\$1	\$1	1.10%
	Net Construction Impact	\$310	\$417	1.10%
Negative	Road Maintenance	\$102	\$163	1.74%
	Congestion	\$297	\$474	1.74%
	Rail Crossings	\$2	\$3	0.67%

How will the Findings from this Study be Used?

- Complements Miami-Dade MPO/FTAC's body of work
- Help educate local communities and residents
- Provide freight transportation leaders with an additional resource to help continue building support for our freight transportation system

Questions?

