

Freight Movement Task Force

Baltimore Region Freight Profile
Completed September 2007

Data/Methodology

- Global Insight TRANSEARCH database
 - Tons
 - O-D pairs
 - Modeled “paths” through national networks
 - Forecasts for 2030
- BMC Data
- Analyze Data at County/Regional Levels
- Determine Freight-Generation Industries
- Map Real Output

Baltimore Region Freight Baseline

- 2003 TRANSEARCH DATA
 - 307 million tons
 - \$966 billion value
 - "Through" region (42% tons/49% value)
 - Truck is the highest ton and value mode (80% of tons/81% value)

2003 Tonnage by Mode and Direction

Baltimore Region

	Inbound	Outbound	Through	Internal	Mode Total
Truck	60,098,000	60,466,000	105,957,000	19,494,000	246,014,000
Rail	12,901,000	5,830,000	22,180,000	448,000	41,358,000
*Water	8,846,000	7,524,000	0	2,732,000	19,102,000
Air	81,000	66,000	0	0	147,000
Total	81,926,000	73,886,000	128,136,000	22,673,000	306,621,000

Source: Global Insight's TRANSEARCH database

* Note: TRANSEARCH includes only the domestic portion of the water data. International waterborne data were not

2030 Tonnage by Mode and Direction Baltimore Region

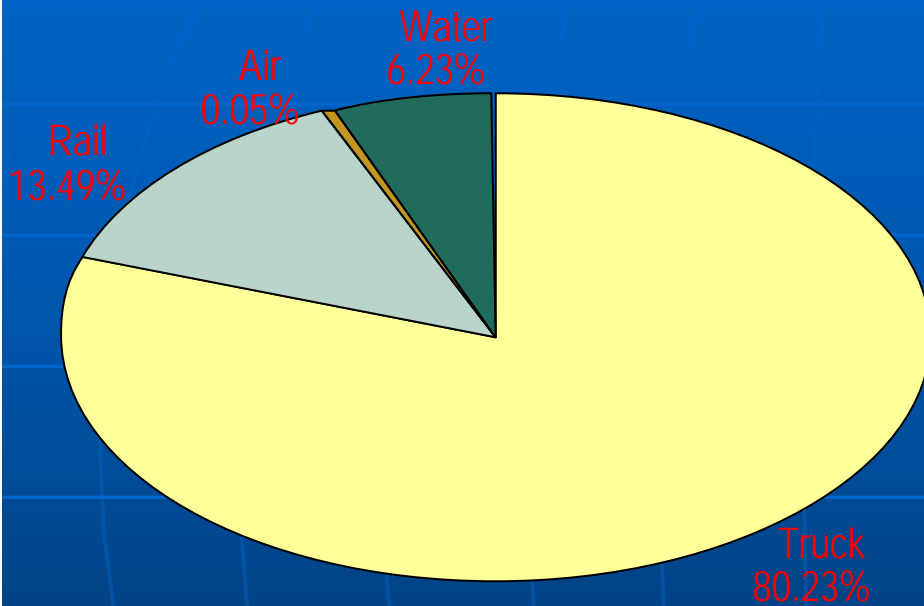
	Inbound	Outbound	Through	Internal	Mode Total
Truck	116,152,000	131,376,000	197,406,000	40,441,000	485,374,000
Rail	25,573,000	11,918,000	37,983,000	761,000	74,236,000
Water	13,118,000	19,508,000	-	5,883,000	38,509,000
Air	184,000	166,000	-	-	350,000
Total	153,027,000	162,967,000	235,389,000	47,085,000	598,469,000

Source: Global Insight's TRANSEARCH database

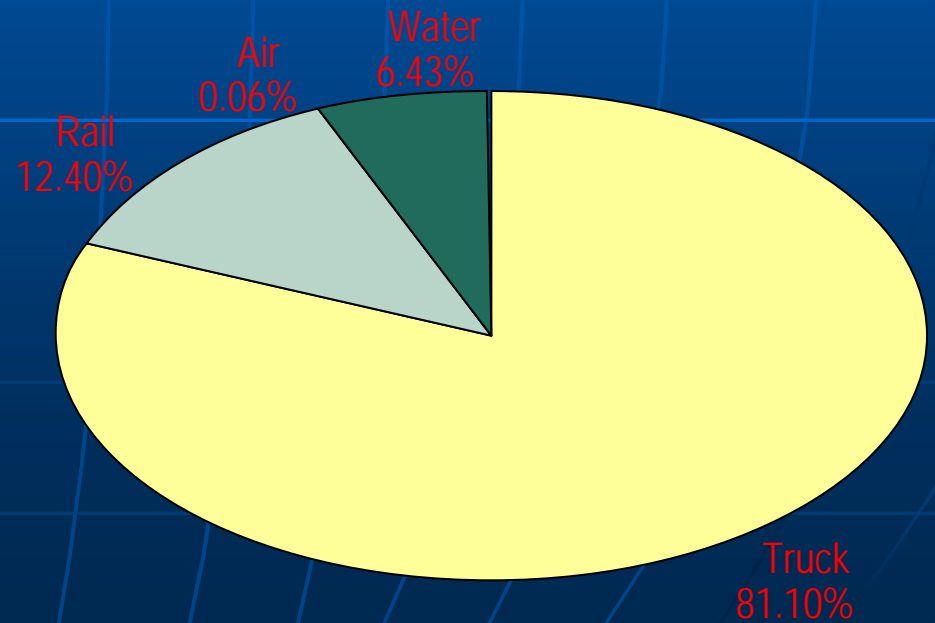
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Baltimore Region Mode Split by WEIGHT (tons)

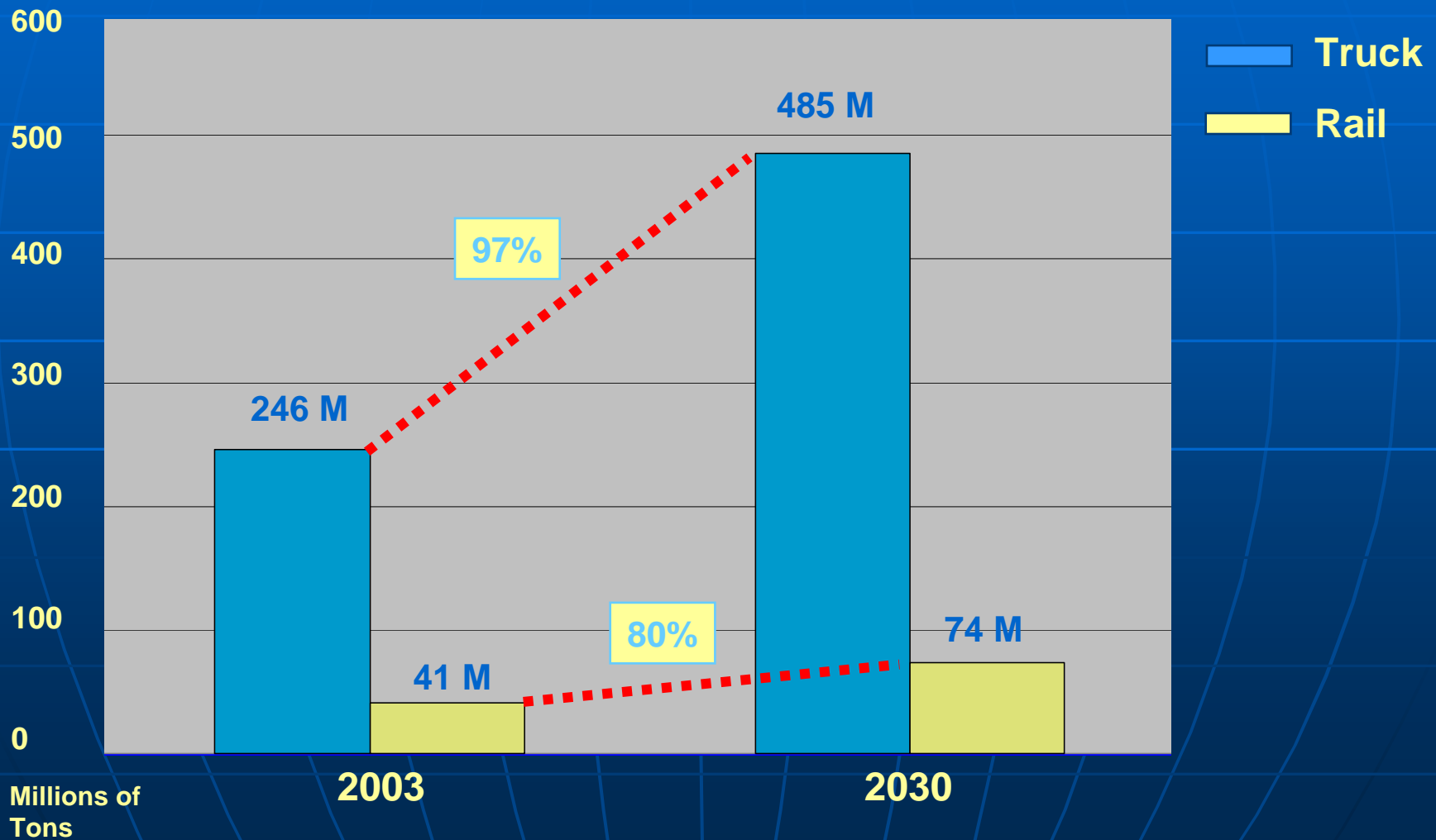
2003



2030

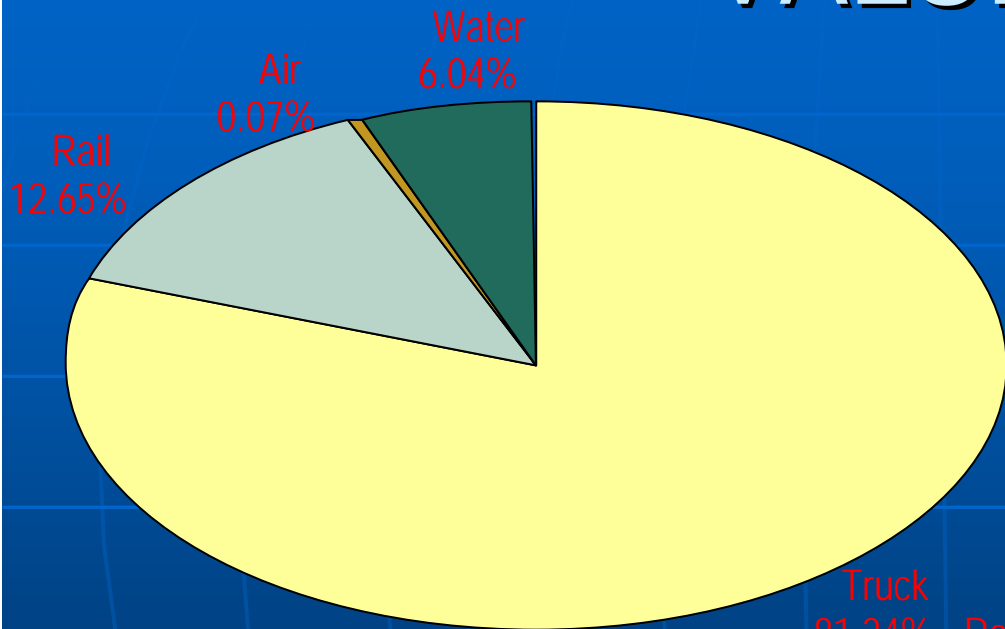


Tonnage Growth Rates by Mode 2003 to 2030

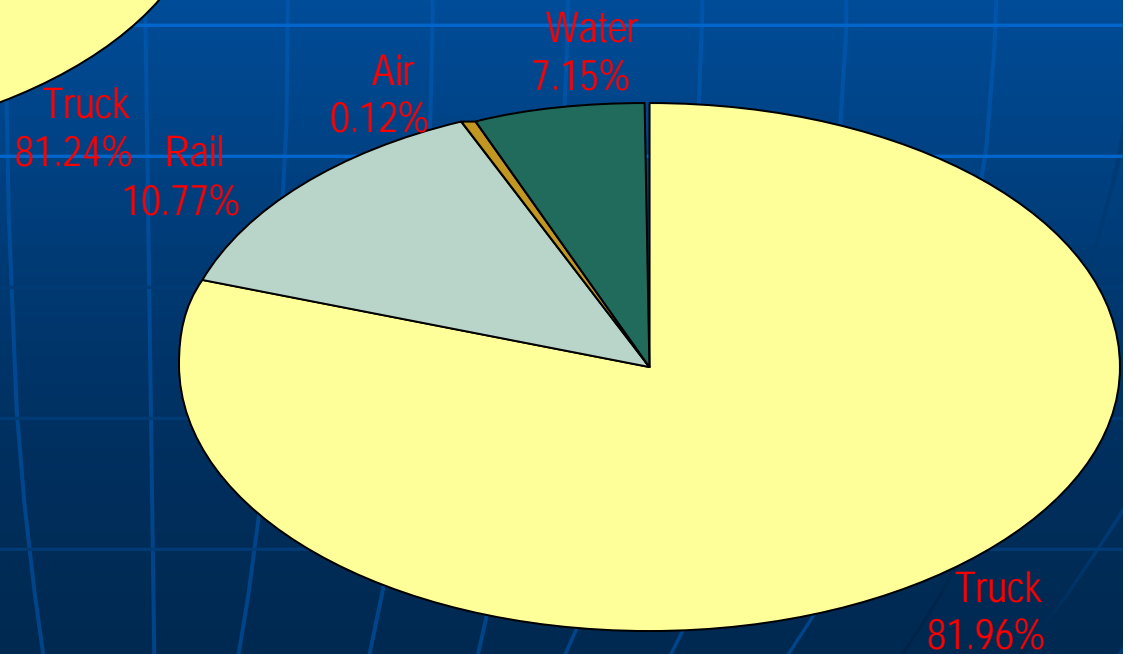


Baltimore Region Mode Split by VALUE (\$)

2003

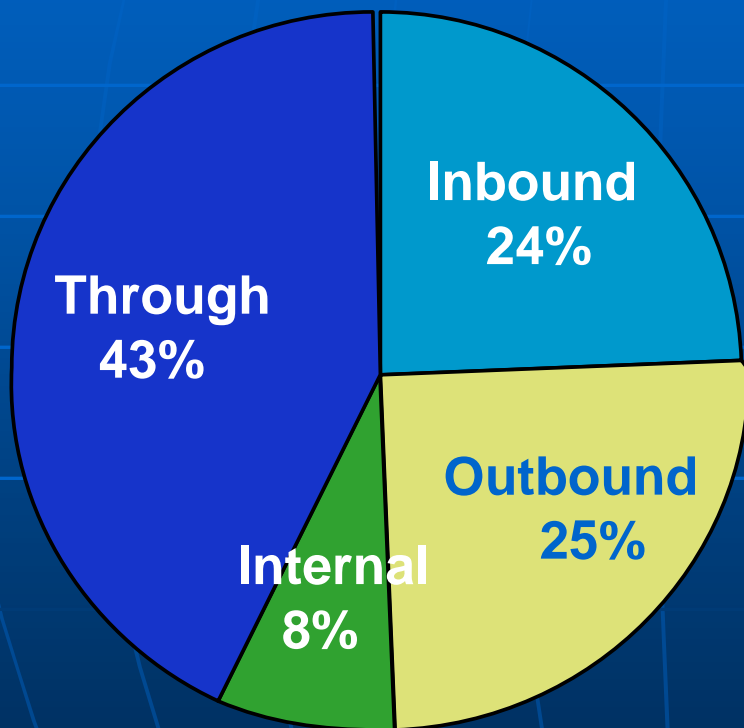


2030

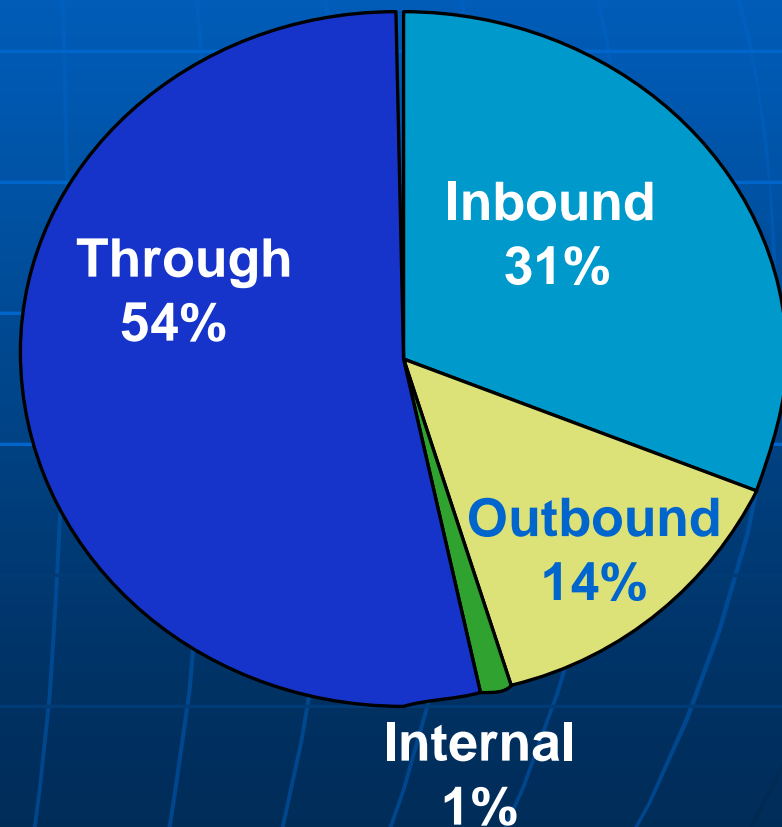


Baltimore Region Truck and Rail Direction 2003

Truck Tons



Rail Tons



Baltimore Region: Top Commodity Growth – All Modes 2003 to 2030

Secondary Traffic

Nonmetallic Minerals

Clay, Concrete, Glass, or Stone

Petroleum or Coal Products

Food or Kindred Products

Coal

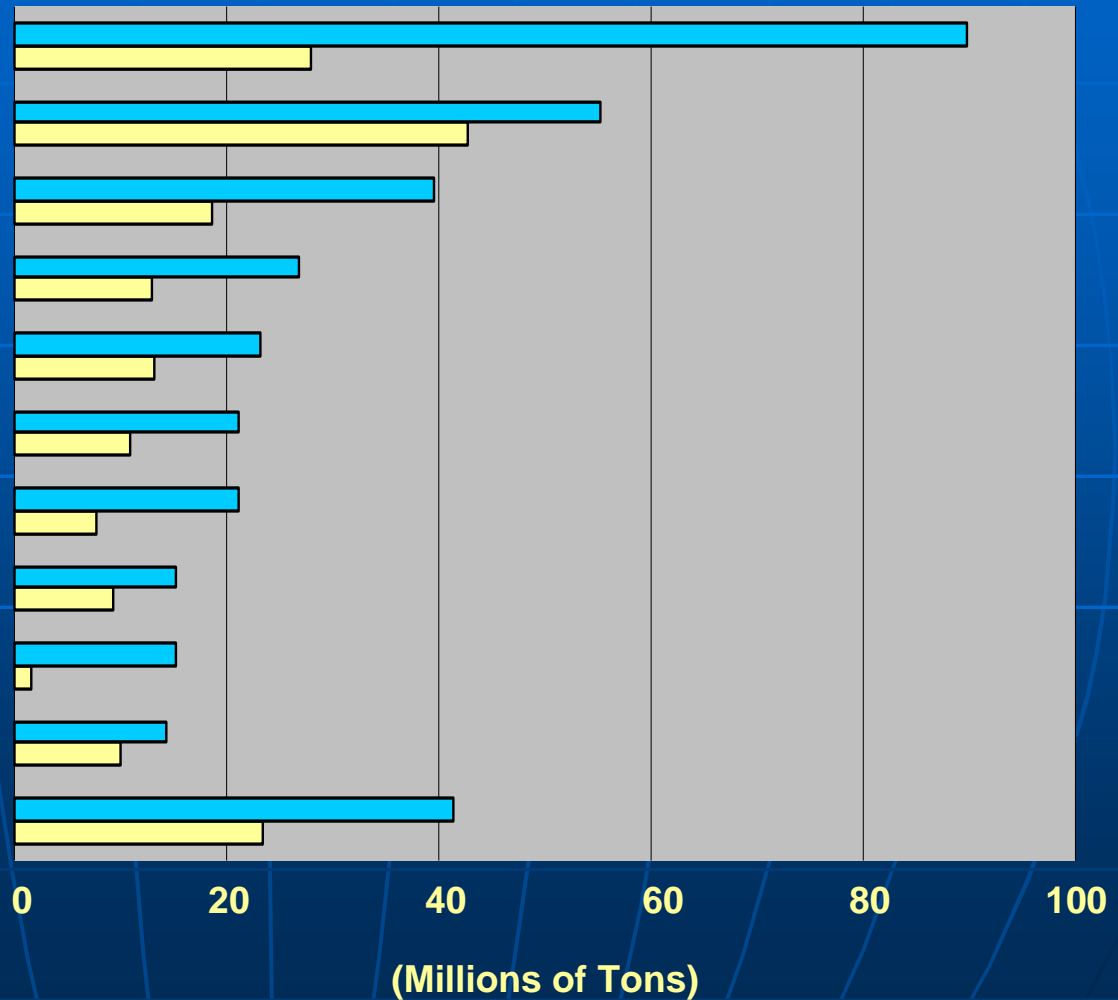
Waste or Scrap Materials

Chemicals or Allied Products

Machinery

Primary Metal Products

Remaining Commodities



2030

2003

(Millions of Tons)

Top Trading Partners by **Weight**

■ 2003

- Pennsylvania
- Maryland
- Virginia
- Great Lakes States (IN, IL, MI, WI, OH)
- New York
- Southeastern States (FL, GA, NC, SC)
- New Jersey
- Delaware
- West Gulf States (TX-OK-AR-LA)

■ 2030

- Maryland
- Pennsylvania
- Virginia
- Great Lakes States (IN, IL, MI, WI, OH)
- Southeastern States (FL, GA, NC, SC)
- New York
- New Jersey
- Delaware
- West Gulf States (TX-OK-AR-LA)

Top Trading Partners by Value

■ 2003

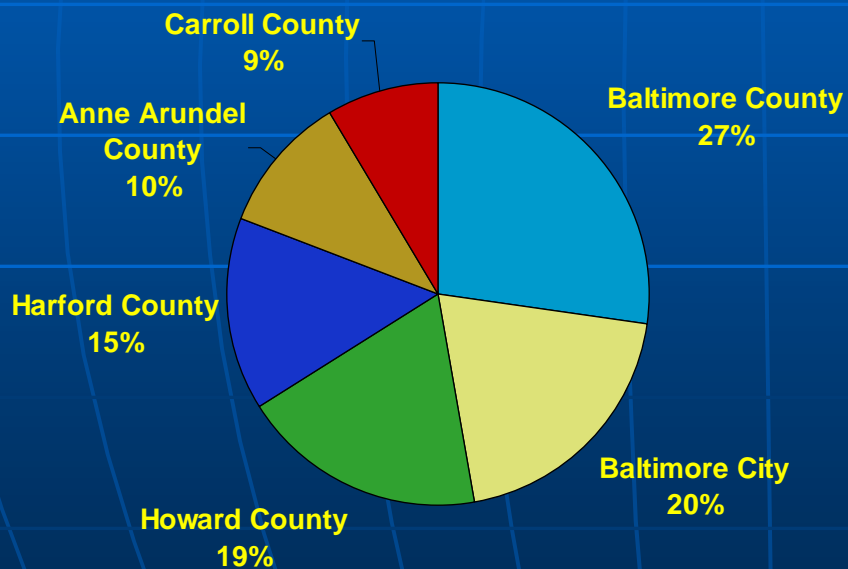
- Great Lakes States
(IN, IL, MI, WI, OH)
- Maryland
- Pennsylvania
- Virginia
- New York
- Southeastern States
(FL, GA, NC, SC)
- West Gulf States
(TX, OK, AR, LA)
- New Jersey
- East South Central States
(AL, KY, MS, TN)

■ 2030

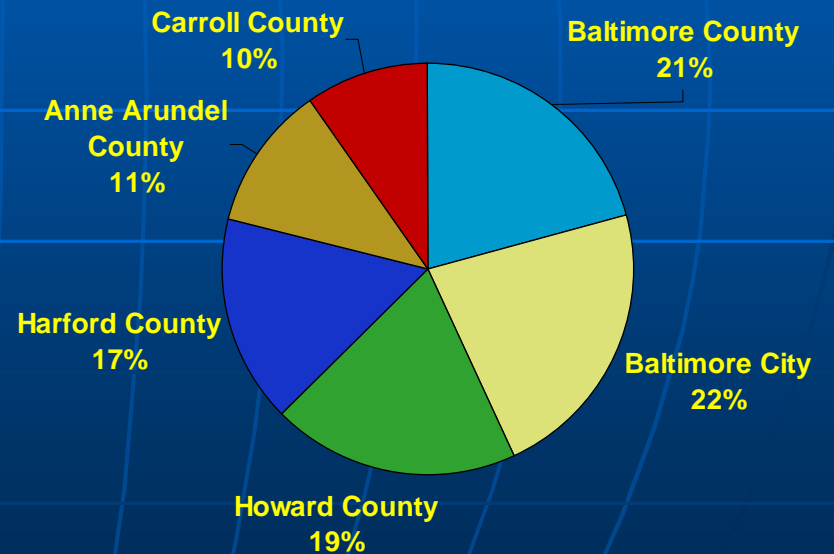
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- Maryland
- Virginia
- Pennsylvania
- Southeastern States
(FL, GA, NC, SC)
- New York
- East South Central States
(AL, KY, MS, TN)
- Pacific States
(AK, CA, HI, OR, WA)
- West Gulf States
(TX-OK-AR-LA)

Freight Tonnage by Jurisdiction

2003

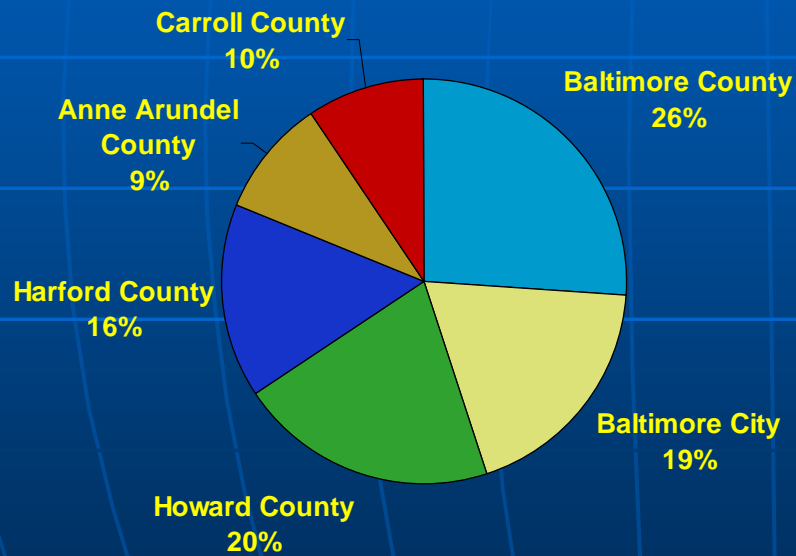


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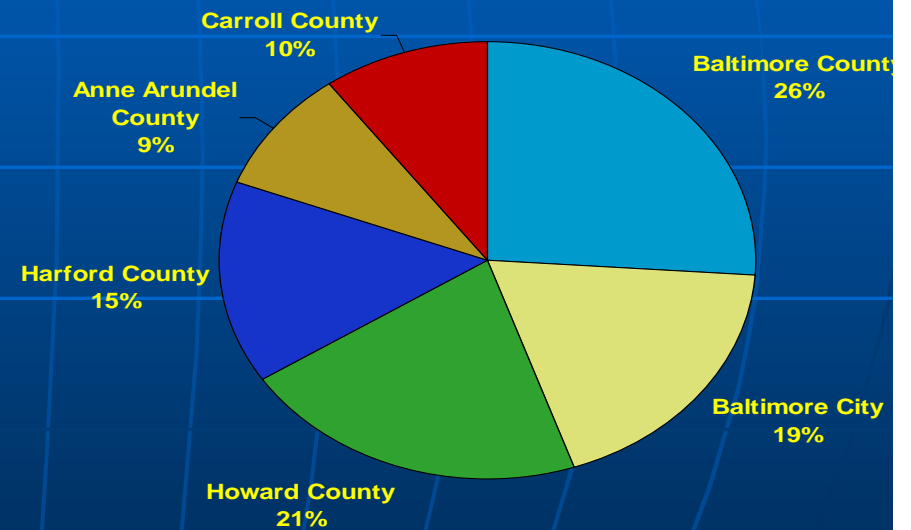


Freight Value by Jurisdiction

2003



2030



Maryland Top 5 Freight Industries

- Real output (\$) of top freight generating industries per jurisdiction 2003 to 2030

Industry	Top Growth Jurisdiction (percent)	Top Growth Jurisdiction (absolute)
Manufacturing	St. Mary's	Frederick
Wholesale Trade	Cecil	Montgomery
Mining	Kent	Garrett
Transportation	Kent	Baltimore County
Electric Power Generation	Queen Anne's	Baltimore City

Key Findings by Industry: Transportation

- Currently concentrated in Baltimore City, Baltimore County, Howard County
- Greatest [absolute] future growth in Baltimore City, Baltimore County, Montgomery County
- Greatest percentage growth in Kent, Montgomery, and Baltimore Counties

Total Transportation
Real Output
2000

