

US EPA ARCHIVE DOCUMENT

# BNSF Railway

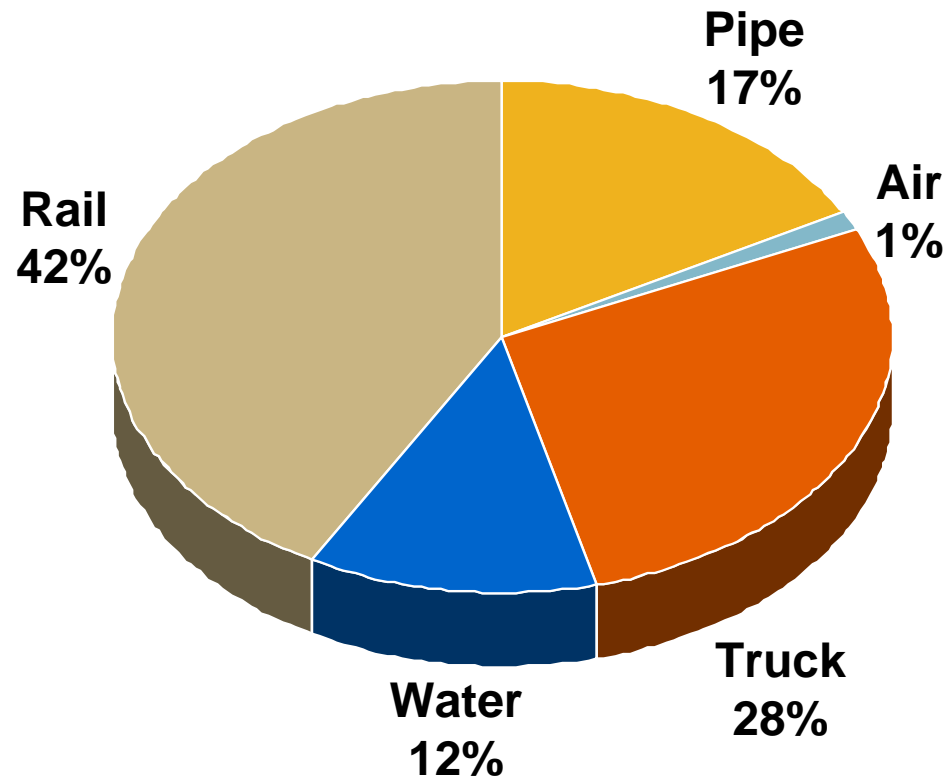
## *Chicago Area Locomotive Emissions Meeting* **Northeast Illinois Freight Rail Overview**

*Paul E. Nowicki*  
*July 13, 2010*



# U.S. Freight Transportation

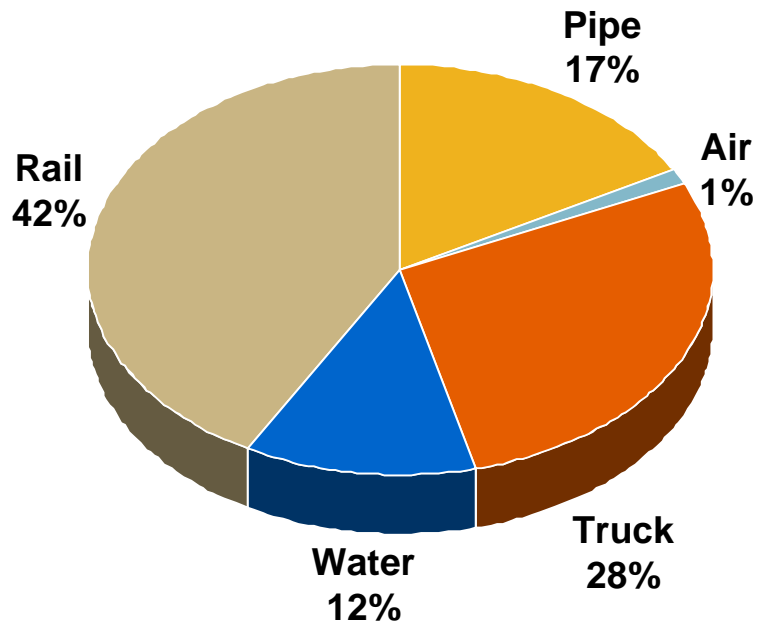
## Intercity Ton-Miles, by Mode



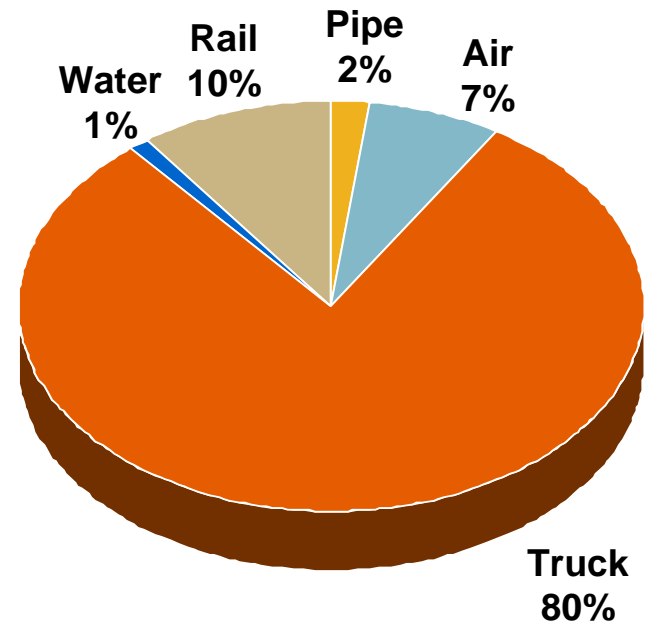
Source: Eno Transportation Foundation

# U.S. Freight Transportation

## Ton-Miles

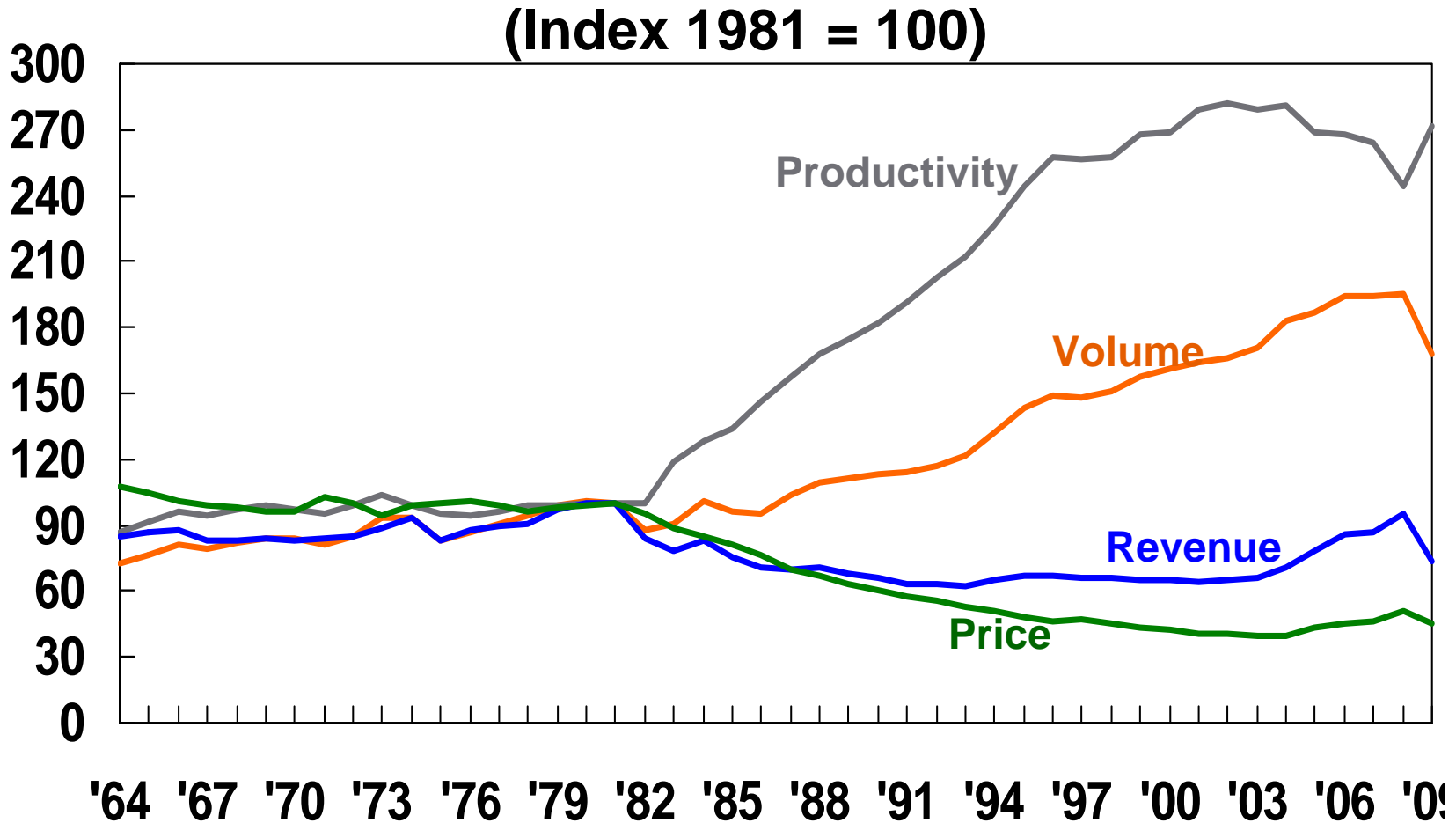


## Revenue



Source: Eno Transportation Foundation

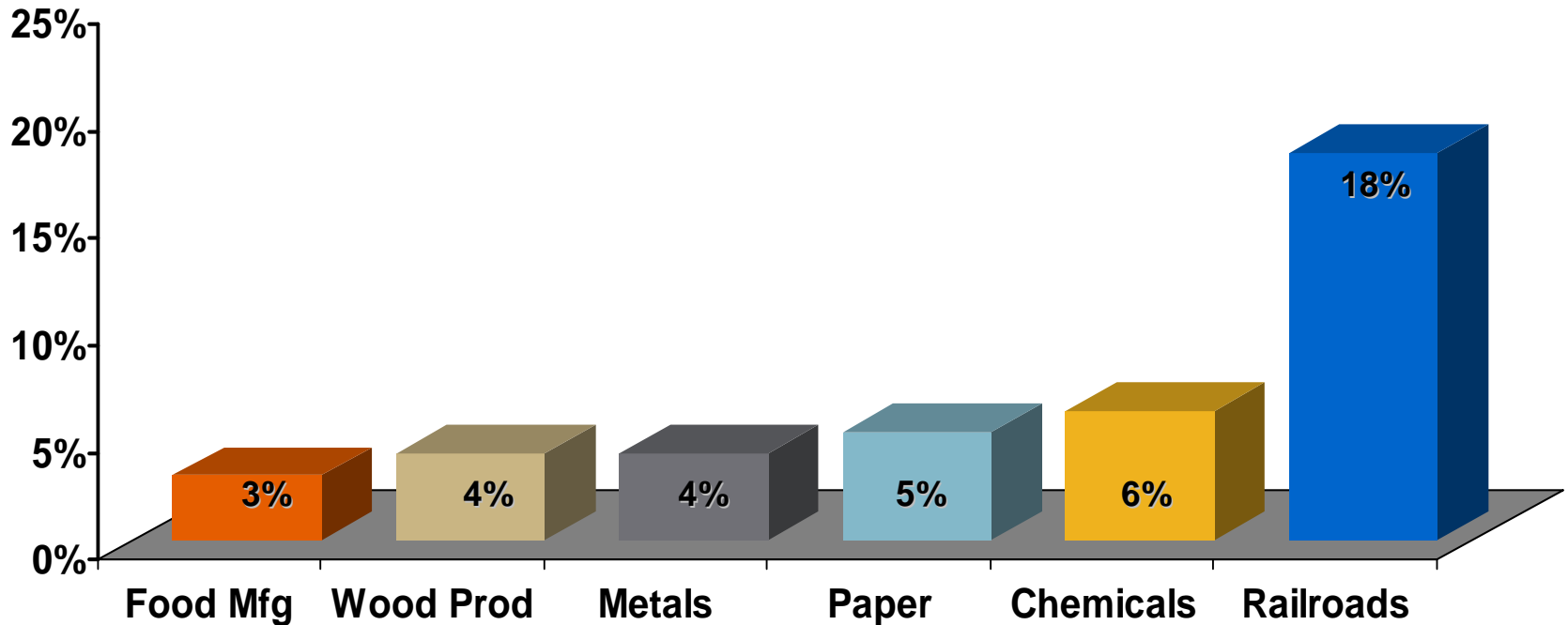
# U.S. Freight Railroad Performance



Source: AAR

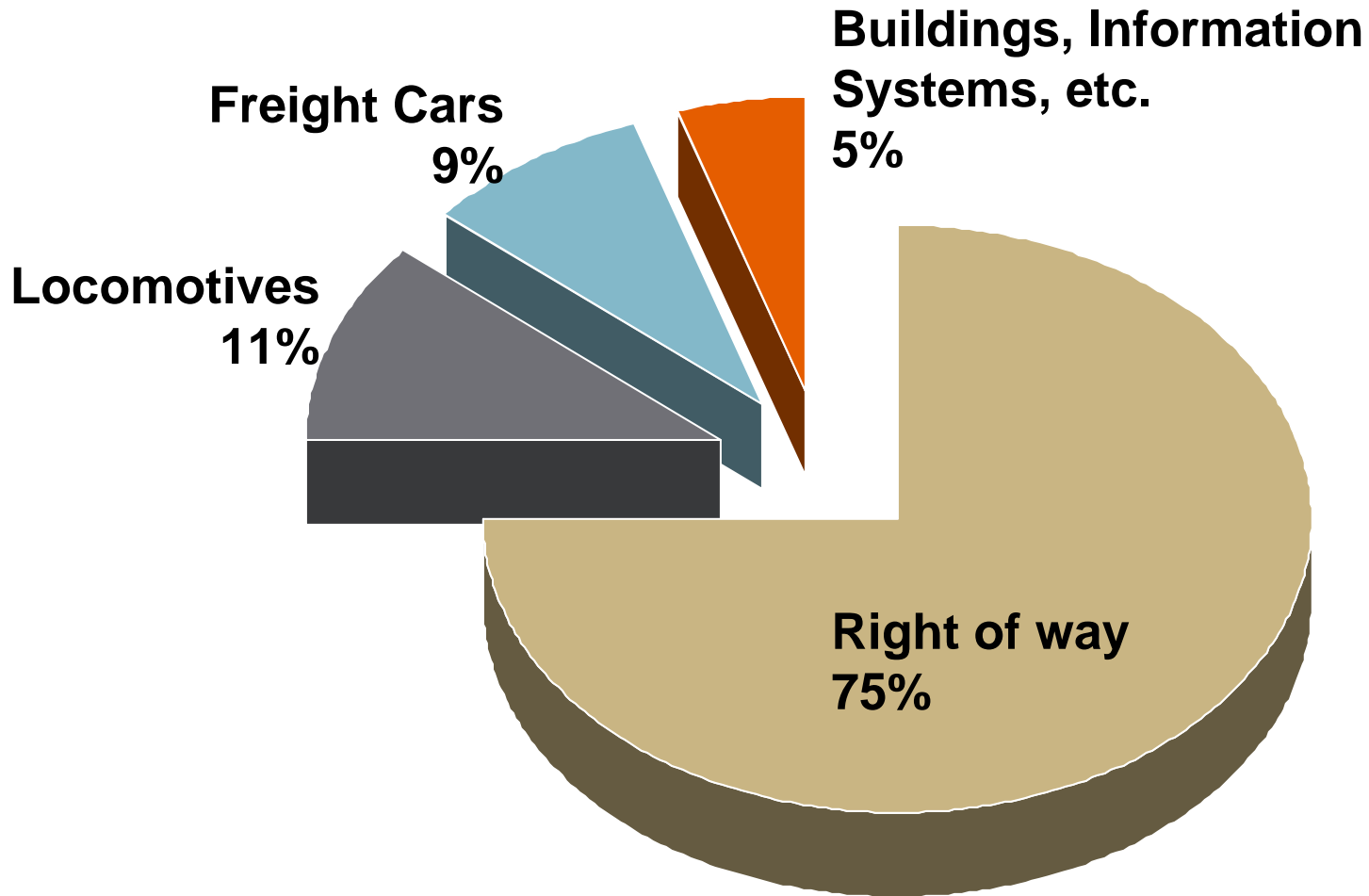
# Railroading is America's Most Capital-Intensive Industry

## Capital Expenditures as a % of Revenue\*



\*U.S. Bureau of the Census

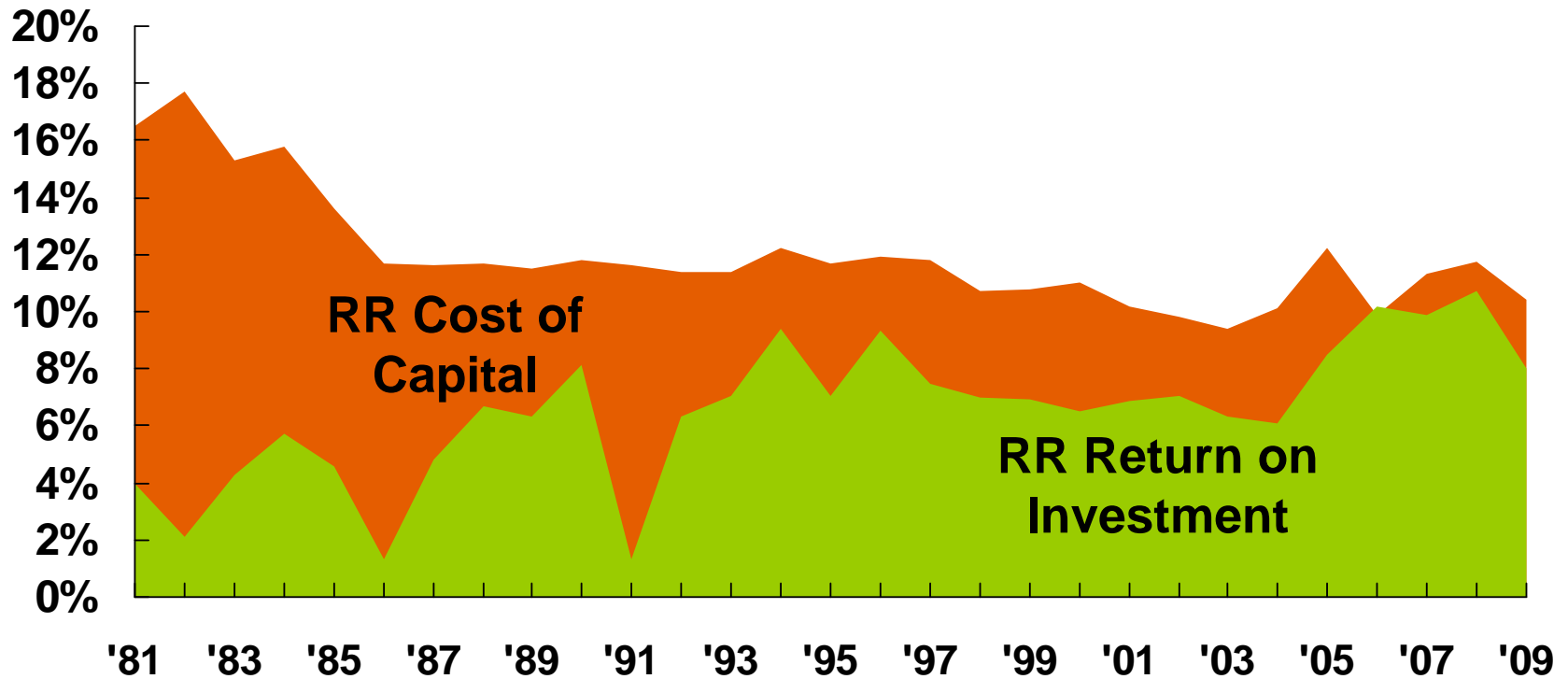
# Rail Industry Investments



Source: Transmatch Consulting

# Railroads Have Not Earned Their Cost of Capital

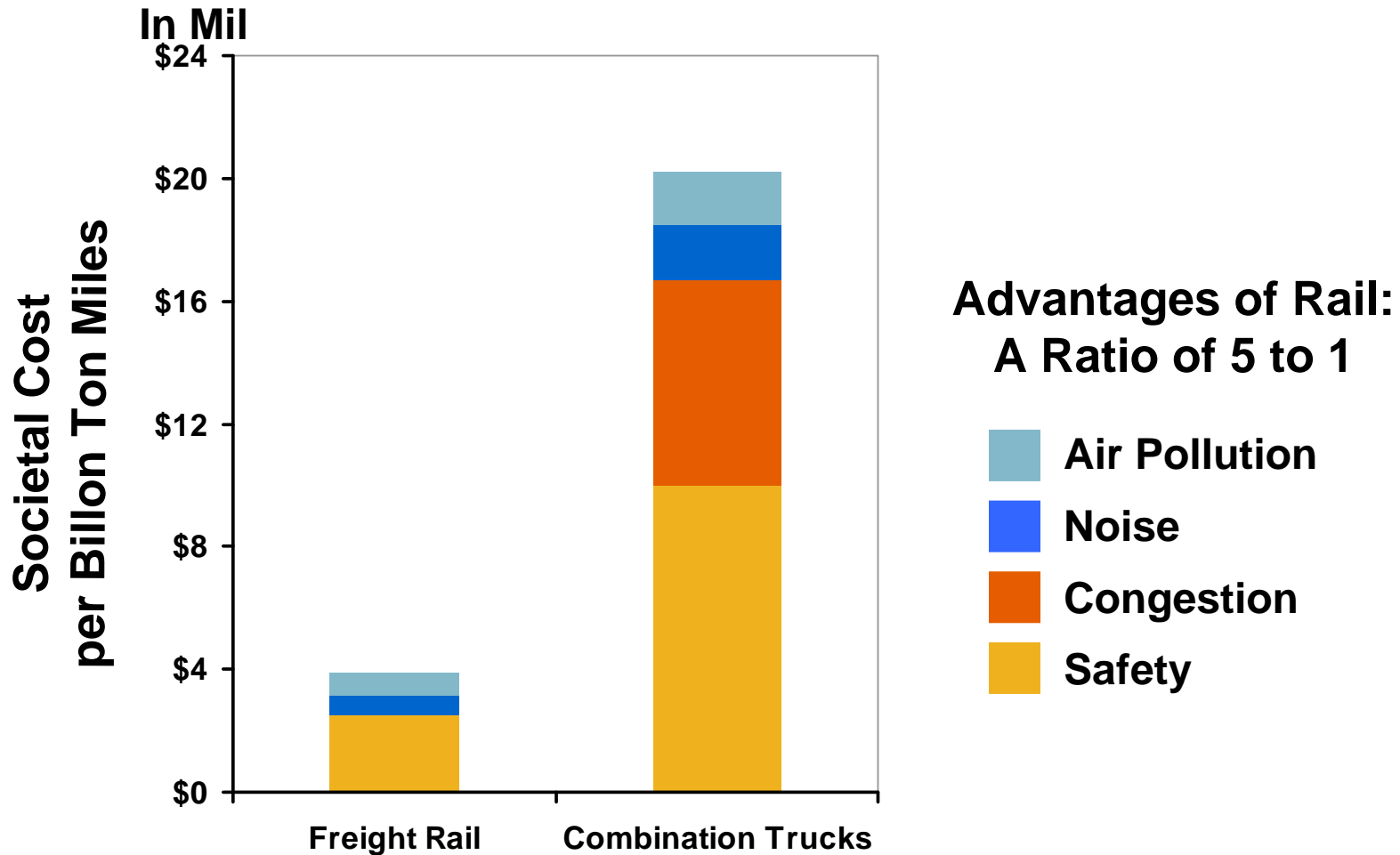
## Class I RR Cost of Capital vs. Return on Investment



Source: STB



# Public Policies Should Encourage Use of Freight Rail





**What gets  
480 MPG?**

	Self	Gasoline
Regular	4.45	$\frac{9}{10}$
Special	4.55	$\frac{9}{10}$
Super+	4.65	$\frac{9}{10}$

# Rail Emits a Fraction of Total U.S. Greenhouse Gas Emissions

**Rail = 2.6% of GHGs**

**Trucks = 21% of GHGs**

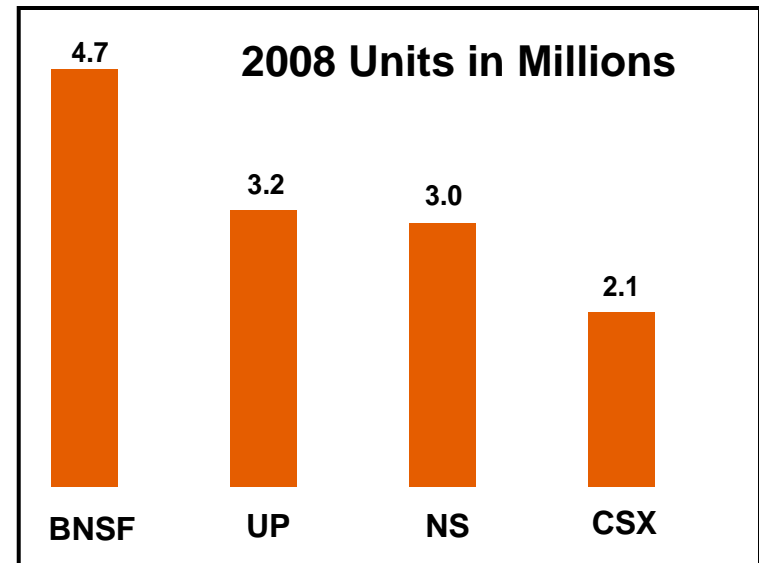




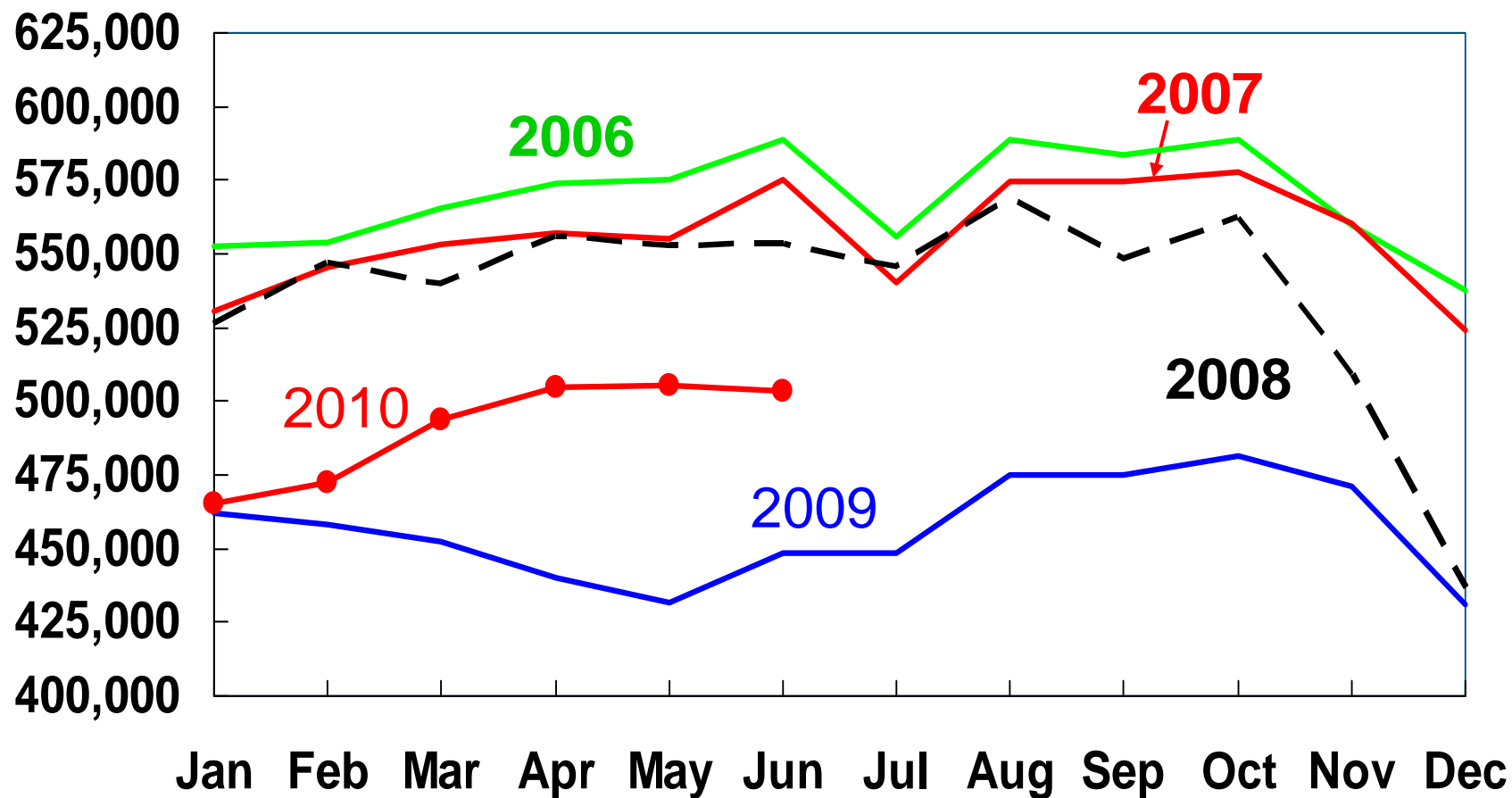
# Railroads Reduce Highway Congestion



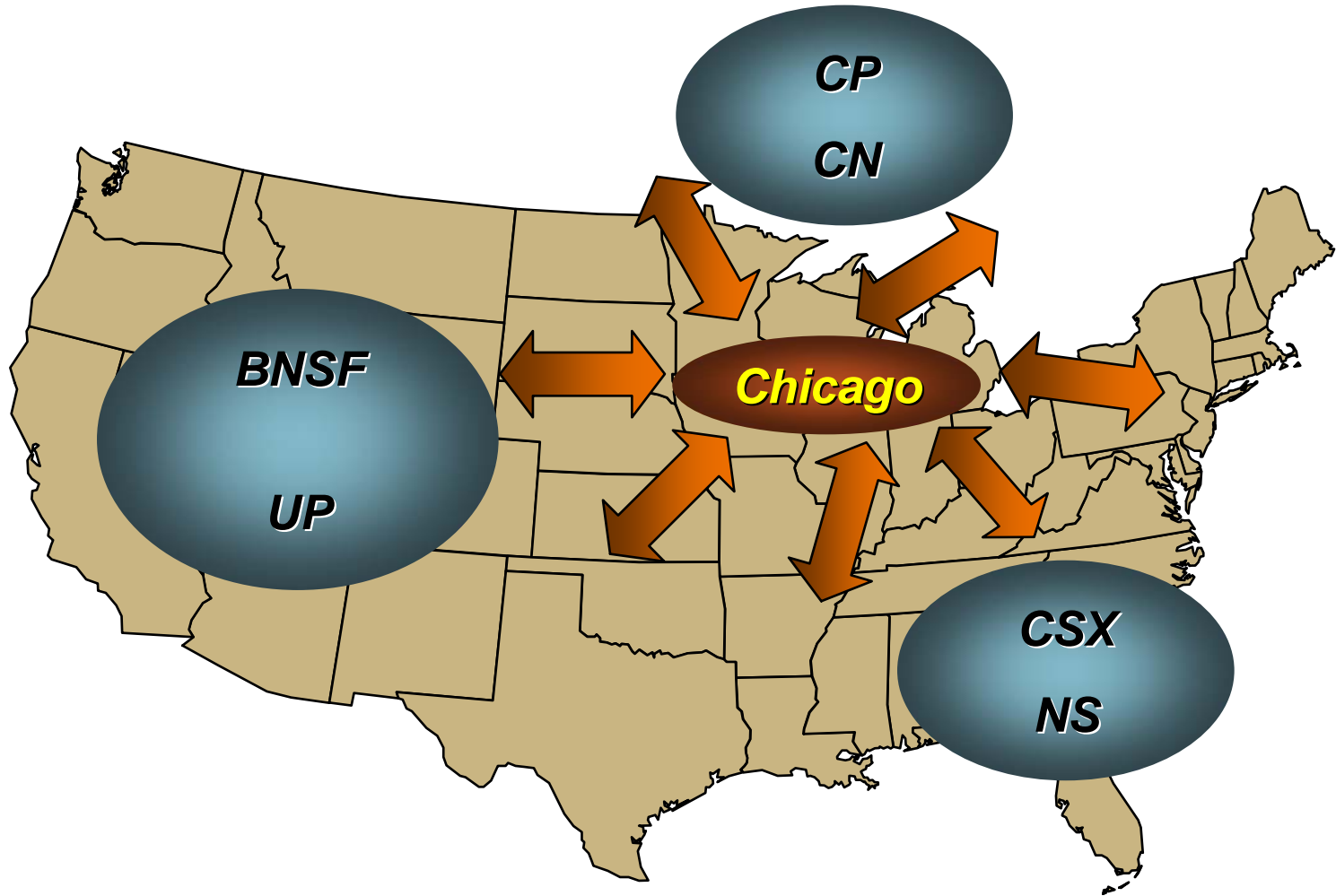
- Each intermodal train removes 275–325 long-haul trucks from highways



# Total U.S. Rail Carloads + Trailers and Containers



# Chicago is North America's Rail Hub



## **Chicago's Rail Operations and Infrastructure are Complex**

- **1,200 daily trains**
- **12 commuter rail routes**
- **18 intermodal hubs**
- **40 yards and terminals**
- **2,800 track miles (excluding yards)**
- **900 highway-rail grade crossings**
- **132 rail-rail grade crossings**

# Major Chicago Rail Freight Facilities

## Rail Car Classification Yards

Facility	Railroad	Location	Typical Car Inventory
Proviso	UP	Berkeley/Northlake	3,200
Clearing	BRC	Bedford Park	3,000
Blue Island	IHB	Riverdale	2,000
Barr	CSX	Riverdale	2,000
Bensenville	CP	Bensenville	1,800
Markham	CN	Homewood	1,600
Glenn	CN	Chicago/Forest View	1,150
Calumet	NS	Chicago/Lake Calumet	1,100



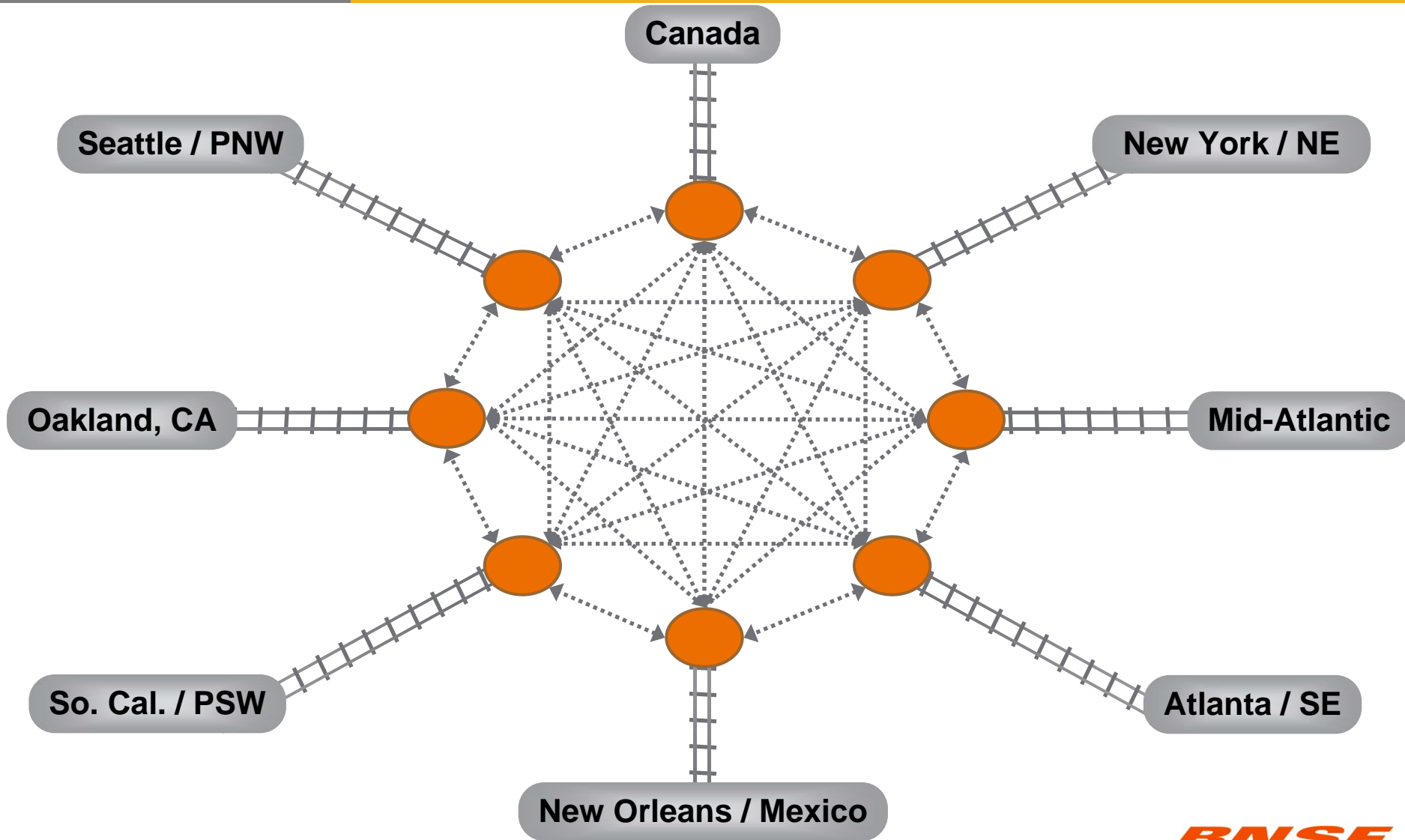
# Major Chicago Rail Freight Facilities

## Intermodal Hubs & Volumes

	Facility	Est. Volume
BNSF	Cicero	400,000
	Corwith	700,000
	Logistics Park/Elwood	700,000
	Willow Springs	500,00
CN	Markham	400,000
CP	Bensenville	100,000
	Schiller Park	100,000
CSX	Bedford Park	800,000
	59 <sup>th</sup> St	500,000

	Facility	Est. Volume
NS	47 <sup>th</sup> St	400,000
	63 <sup>rd</sup> St	300,000
	Calumet	>100,000
	Landers	300,000
UP	Global I	300,000
	Global II	300,000
	Global III	200,000
	Canal St	100,000
	Yard Center	200,000
	Joliet	Opens Aug. 2010

# Rail Freight Operations in Chicago



***BNSF***  
***RAILWAY***