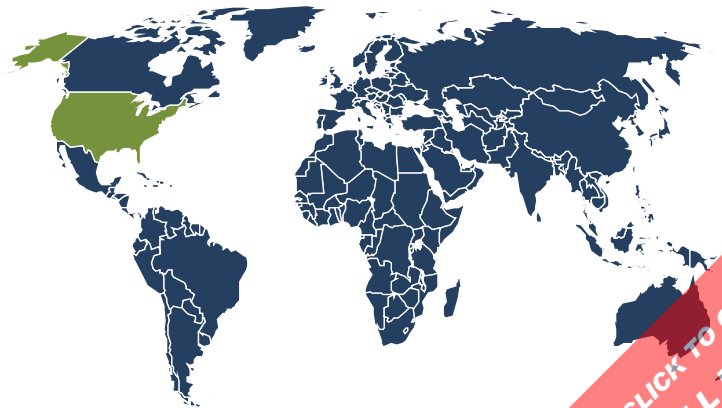




Freedonia Focus Reports
US Collection

Freight by Rail: United States

April 2017



Highlights

Market Environment

Historical Trends | Key Economic Indicators | US Goods Trade | NAFTA Trade by Rail
Rail Freight by Product | Environmental and Regulatory Factors
Freight Industry Overview

Segmentation and Forecasts

Freight Railroads

Industry Structure

Industry Characteristics | Market Share

Resources

www.freedoniafocusreports.com

CLICK TO ORDER
FULL REPORT
BROCHURE
CLICK TO ORDER
FULL REPORT

TABLE OF CONTENTS

1. Highlights	3
2. Market Environment	4
Historical Trends	4
Key Economic Indicators	6
US Goods Trade	7
NAFTA Trade by Rail	9
Rail Freight by Product	11
Environmental & Regulatory Factors	13
Freight Industry Overview	15
3. Segmentation & Forecasts	17
Freight Railroads	17
Class I Railroads	20
Other Railroads	21
4. Industry Structure	24
Industry Characteristics	24
Market Share	25
Union Pacific Corporation	26
Burlington Northern Santa Fe	26
CSX Corporation	27
Norfolk Southern Corporation	27
5. About This Report	28
Scope & Method	28
Sources	28
Industry Codes	29
Resources	30

LIST OF TABLES & FIGURES

Figure 1 Key Trends in US Freight Railroad Revenues, 2016-2021	3
Figure 2 US Freight Railroad Revenue Trends, 2006-2016	4
Figure 3 US Freight Railroad Volume Trends, 2006-2016	5
Table 1 Key Indicators for US Freight by Rail Demand; 2006, 2011, 2016, 2021 (US\$ bil)	6
Figure 4 US Goods Trade Trends; 2006-2016, 2021 (US\$ bil)	7
Table 2 US Goods Imports; 2006-2016 by Country, 2021 in Total (US\$ bil)	8
Table 3 US Goods Exports; 2006-2016 by Country, 2021 in Total (US\$ bil)	8
Figure 5 US NAFTA Trade by Rail, 2006-2016 (US\$ bil)	9
Table 4 US Imports from Canada & Mexico by Rail, 2006-2016 (US\$ bil)	10
Table 5 US Exports to Canada & Mexico by Rail, 2006-2016 (US\$ bil)	10
Figure 6 US Rail Freight Revenue by Product, 2010-2015 (% of US\$)	11
Table 6 US Rail Freight Revenue by Product, 2010-2015 (% of US\$)	12
Figure 7 US Freight Revenue by Transport Mode, 2006-2016 (US\$ bil)	15
Table 7 US Freight Revenue by Transport Mode, 2006-2016 (US\$ bil)	16
Figure 8 US Freight Railroad Revenues by Carrier Type; 2006-2016, 2021 (US\$ mil)	17
Table 8 US Freight Railroad Revenues by Carrier Type; 2006-2016, 2021 (US\$ mil)	17
Figure 9 US Freight Railroad Volume by Carrier Type; 2006-2016, 2021 (bil ton-miles)	18
Table 9 US Freight Railroad Volume by Carrier Type; 2006-2016, 2021 (bil ton-miles)	18
Figure 10 US Freight Railroad Revenue & Manufacturers' Shipments; 2006-2016, 2021	19
Figure 11 US Freight Railroad Revenues by Carrier Type Share; 2006-2016, 2021 (%)	22
Figure 12 US Class I Freight Railroad Market Share by Company, 2016 (% of Class I Revenues)	25
Table 10 US Class I Freight Railroad Market Share by Revenue & Volume, 2016	25
Table 11 Other Leading Participants in the US Freight Railroad Industry	26
Table 12 Industry Codes Related to Freight by Rail	29

ABOUT THIS REPORT

Scope & Method

This report forecasts US freight railroad revenues in US dollars as well as volume hauled in ton-miles to 2021. Total revenues and volume are segmented by carrier type in terms of:

- Class I railroads
- other freight railroads such as short line and regional railroads.

A ton-mile represents one ton of freight carried one mile.

Total revenues for the US freight transport industry for the 2006-2016 period are provided and segmented by mode as follows:

- truck
- rail
- pipeline
- water
- air.

To illustrate historical trends, total revenues, total volume, the various segments, and trade are provided in annual series from 2006 to 2016.

This report quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Freight by Rail: United States (FF85019) represents the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

ABOUT THIS REPORT

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group.

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 12 | Industry Codes Related to Freight by Rail

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
482111	Line-Haul Railroads	4011	Railroads, Line-Haul Operating
482112	Short Line Railroads	4013	Railroad Switching and Terminal Establishments
488210	Support Activities for Rail Transportation		

Source: US Census Bureau

Copyright & Licensing

The full report is protected by copyright laws of the United States of America and international treaties. The entire contents of the publication are copyrighted by The Freedonia Group.

Resources

The Freedonia Group

Freedonia Industry Studies

Rigid Bulk Packaging, September 2016

Pallets, August 2015

Freedonia Focus Reports

Air Transport Services: United States

Civil Aircraft: United States

Coal: United States

Crude Petroleum: United States

Freight by Truck: United States

Freight Services: United States

Manufacturing: United States

Mining & Quarrying: United States

Motor Vehicles: United States

Processed Food: United States

Public Transport: United States

Freedonia Custom Research

Trade Publications

American Shipper

Bulk Transporter

Cargo Business News

Container Management

The Journal of Commerce

Progressive Railroading

RailwayAge

Trains

Transport Topics

Agencies & Associations

American Association of Port Authorities

American Bureau of Shipping

American Short Line and Regional Railroad Association

Association of American Railroads

Bureau of Labor Statistics

Intermodal Association of North America

International Union of Railways (UIC)

ABOUT THIS REPORT

United States Census Bureau
United States Department of Transportation
 Bureau of Transportation Statistics
 Federal Railroad Administration
 Surface Transportation Board
United States Environmental Protection Agency
United States International Trade Commission