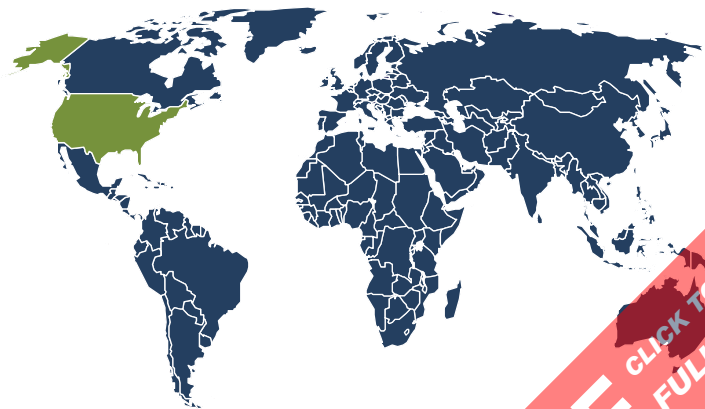




Freedonia Focus Reports
US Collection

Rare Earths: United States

November 2015



Highlights

Market Environment

Historical Trends | Key Economic Indicators | Environmental and Regulatory Factors
Technology | Competitive Materials | NAFTA Overview

Segmentation and Forecasts

Products | Markets

Industry Structure

Industry Composition and Characteristics | Additional Companies Cited

Resources

CLICK TO ORDER
FULL REPORT
BROCHURE
CLICK TO ORDER
FULL REPORT

ABOUT THIS REPORT

Scope & Method

This report forecasts US rare earth demand in metric tons to 2019. Total demand is segmented by product in terms of:

- lanthanum
- cerium
- neodymium
- yttrium
- other products such as praseodymium, dysprosium, and gadolinium.

Although rare earths are typically sold in varying combinations of elements, oxides, and metals, demand statistics in this report are displayed in terms of individual rare earth oxides and oxide equivalents for purposes of clarity, consistency, and comparability.

Total demand is also segmented by market as follows:

- fluid cracking catalysts
- glass, polishing, and ceramics
- autocatalysts
- metal processing
- other markets such as permanent magnets, battery alloys, and phosphors.

To illustrate historical trends, total demand is provided in an annual series from 2004 to 2014; the various segments are reported at five-year intervals for 2009 and 2014.

This report quantifies trends in various measures of growth. 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. 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 at five-year intervals with CAGRs for the years corresponding to other reported figures. 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

Rare Earths: United States (FF65030) is based on [World Rare Earths](#), a comprehensive industry study published by The Freedonia Group in November 2015. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

- 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 industry 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

The topic of this report is related to the following industry codes:

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
212299	All Other Metal Ore Mining	1061	Ferroalloy Ores, Except Vanadium
325188	All Other Basic Inorganic Chemical Mfg	2819	Industrial Inorganic Chemicals, NEC

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, Inc.

Table of Contents

Section	Page
About This Report	i
Highlights.....	1
Market Environment	2
Historical Trends	2
Chart 1 US Rare Earths Demand Trends, 2004-2014 (m tons)	2
Key Economic Indicators	3
Table 1 Key Indicators for US Rare Earths Demand; 2009, 2014, 2019 (2009US\$ bil)	3
Environmental & Regulatory Factors	4
Technology	5
Competitive Materials	7
NAFTA Overview	9
Chart 2 NAFTA Rare Earths Demand by Country, 2014.....	9
Segmentation & Forecasts.....	10
Products	10
Chart 3 US Rare Earths Demand by Product; 2009, 2014, 2019 (m tons)	10
Lanthanum.....	11
Cerium.....	11
Neodymium.....	12
Yttrium.....	13
Other Products.....	13
Chart 4 US Rare Earths Demand by Product Share; 2009, 2014, 2019 (%)	14
Markets	15
Chart 5 US Rare Earths Demand by Market; 2009, 2014, 2019 (m tons).....	15
Fluid Cracking Catalysts.....	15
Glass, Polishing & Ceramics.....	16
Autocatalysts.....	17
Metal Processing.....	18
Other Markets.....	19
Chart 6 US Rare Earths Demand by Market Share; 2009, 2014, 2019 (%).....	22
Industry Structure	23
Industry Composition & Characteristics	23
Company Profile 1 China Northern Rare Earth Group High-Tech Co Ltd.....	24
Company Profile 2 Molycorp Inc.....	25
Company Profile 3 China Nonferrous Metal Industry's Foreign Engineering & Construct Co Ltd ..	26
Additional Companies Cited.....	27
Resources	28

To return here, click on any Freedonia logo or the Table of Contents link in report footers.
 PDF bookmarks are also available for navigation.

RESOURCES

The Freedonia Group, Inc

www.freedoniagroup.com

3349 *World Rare Earths*, November 2015

[see study contents](#)

Related Industry Studies

3328 *World Magnets*, October 2015

[see study contents](#)

3331 *World Lithium*, September 2015

[see study contents](#)

3309 *World Batteries*, July 2015

[see study contents](#)

3306 *World Tungsten*, July 2015

[see study contents](#)

3274 *World Copper*, April 2015

[see study contents](#)

3217 *World Catalysts*, December 2014

[see study contents](#)

3212 *World Flat Glass*, November 2014

[see study contents](#)

Related Focus Reports

Batteries: United States

[see report contents](#)

Magnets: United States

[see report contents](#)

Motor Vehicles: United States

[see report contents](#)

Refined Petroleum Products: United States

[see report contents](#)

World Catalysts

[see report contents](#)

World Flat Glass

[see report contents](#)

Freedonia Custom Research, Inc

[see capabilities](#)

Trade Publications

American Metal Market

www.amm.com

Glass & Glazing Products

www.ggpmag.com

Glass Magazine

www.glassmagazine.com

IHS Chemical Week

www.chemweek.com

Industrial Minerals

www.indmin.com

Magnetics Business & Technology

www.magneticsmagazine.com

Oil & Gas Journal

www.ogj.com

Agencies & Associations

Rare: The Association for Rare Earth

www.rareearthassociation.org

Rare Earth Technology Alliance

www.rareearthtechalliance.com

United States Census Bureau

www.census.gov

United States Department of Energy

www.energy.gov

United States Department of Labor

www.dol.gov

United States Geological Survey

www.usgs.gov

United States International Trade Commission

www.usitc.gov

Environmental Impact. Please consider the environment before printing this report. Freedonia Focus Report collections feature environmentally friendly products distributed entirely via electronic channels.