



# Rare Element Resources

TSX: RES • NYSE AMEX: REE

SPRING 2012



## Key Highlights

### Rare Earths: Bear Lodge Project

One of highest grade deposits in North America

- Measured and Indicated resource - 6.2 Million tonnes @ 3.75% REO (NI 43-101 compliant)
- Inferred resources - 22.0 Million tonnes @ 2.74% REO (NI 43-101 compliant)
- REE distribution high in Nd, Pr, Eu, Tb, Dy
- Prefeasibility Study completed. Bankable feasibility study underway with 2Q 2013 planned completion.
- Pilot plant testing of oxide resources in progress
- Outstanding infrastructure in one of world's best mining jurisdictions—Wyoming, USA
- Marketing of concentrate from pilot plant on-going.

### Gold: Sundance Project

Extensive near-surface low-grade gold in large alkaline intrusive complex

- Cripple Creek-type gold system with multiple targets
- Potential for deep high-grade gold deposits
- Preliminary metallurgical tests - good recovery
- Inferred Resource - 947,000 oz gold in 69.3 Million tonnes @ 0.42 g/t (NI 43-101 compliant)

## Rare Element Resources Ltd

(RES:TSX, REE:NYSE Amex) is a publicly traded company having 100% interest in the Bear Lodge property, located in northern Wyoming, USA.

Bear Lodge contains one of the largest disseminated rare-earth element (REE) deposits in North America, (US Geological Survey Professional Paper 1049D) as well as a NI 43-101 compliant gold deposit.

## Rare Element Uses

60 144.24

Nd

NEODYMIUM

- Magnets
- Lasers
- Glass

59 140.91

Pr

PRASEODYMIUM

- Magnets
- Alloy for Metals
- Carbon Arc Lights
- Color for Glass
- Cubic Zirconia (Peridot)
- Glass

62 151.96

Eu

EUROPIUM

- Phosphorescence Qualities (TV's, CFLs, Lasers)

65 158.93

Tb

TERBIUM

- Solid state devices
- Alloys
- Electronic devices

66 162.50

Dy

DYSPROSIUM

- Lasers
- Nuclear reactor rods
- Hard disks in computers
- Magnetostriction properties

57 138.91

La

LANTHANUM

- Ni - Metal Hydride Batteries (Hybrid Cars)
- Fluid cracking catalyst
- Lasers
- Glass Lenses

58 140.12

Ce

CERIUM

- Catalytic Converters
- Diesel Fuel Additive
- Glass Accent
- Photo Stability for Pigments
- Glass Polishing

79 196.97

Au

GOLD

- Alternative Investment
- Jewelry
- Electronics

## Bear Lodge Mountains, Wyoming, USA



### Share Information

Shares Outstanding:	44.1 million
Fully Diluted:	47.9 million
Insider Holding:	5.8%

### Public Listings

Toronto Stock Exchange:	RES
NYSE/AMEX:	REE
Deutsche Börse:	R8V

### Industrial Demands for REEs

- China Produces 95%+ of world supply
- Only one producing mine in North America
- REE market growing at nearly 7-10% annually

### REEs in consumer Products

- Electronic motors and generators in hybrid cars
- TV's, computers hard drives, cell phones, DVD players, cameras
- Nickel-metal hydride batteries, compact fluorescent lights
- Medical Magnetic Resonance Imaging equipment
- Car catalytic converters, super magnets

### Contact Information

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### Excellent Mining Infrastructure

- Paved road within 2 miles of project
- Low-cost power within 1 mile of project
- Access to primary operating inputs
- 40 miles to nearest railhead
- Skilled labor and water available
- Favorable community acceptance; Major coal mining center 60 miles West
- Top ranked mining jurisdiction(1)

(1) Wyoming ranked as one of the top worldwide locations favorable for mining by the Fraser Institute

### Management

**Randall J. Scott, MBA**  
President and CEO

**Jaye T Pickarts, P.E.**  
Chief Operating Officer

**David Suleski, BBA, CPA**  
Chief Financial Officer

**Jim Clark, Ph.D.**  
Vice President Exploration

**George G. Byers, M.A.**  
Vice President Government & Community Relations