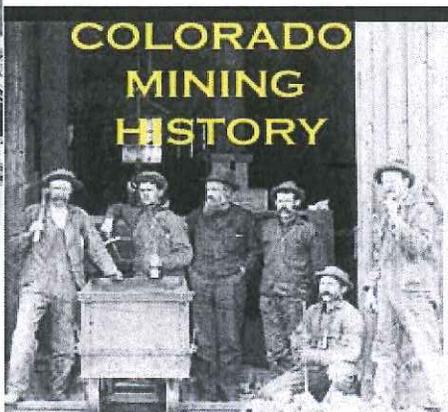


**UPDATE ON MINING IN THE CENTENNIAL STATE  
STUART A. SANDERSON, PRESIDENT**



**Mining, Colorado's First Industry**

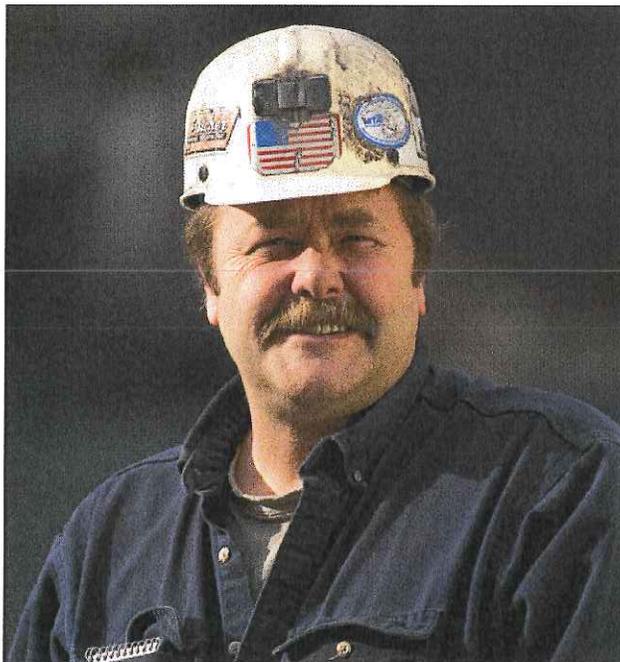
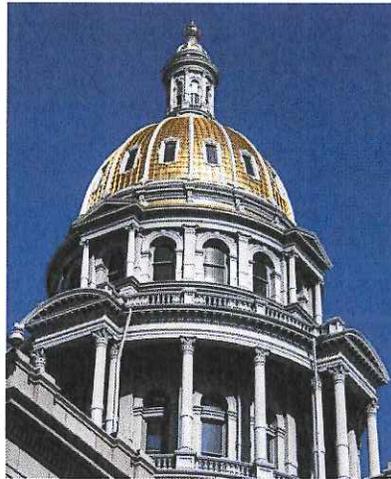


Keller Colorado Mining  
Photographic Collection  
Courtesy: MiningBureau.com

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4/2/2013

**DENVER – THE U. S. MINING CAPITAL**



**One of the 46,000  
Reasons Why  
Mining is Important  
to Colorado**

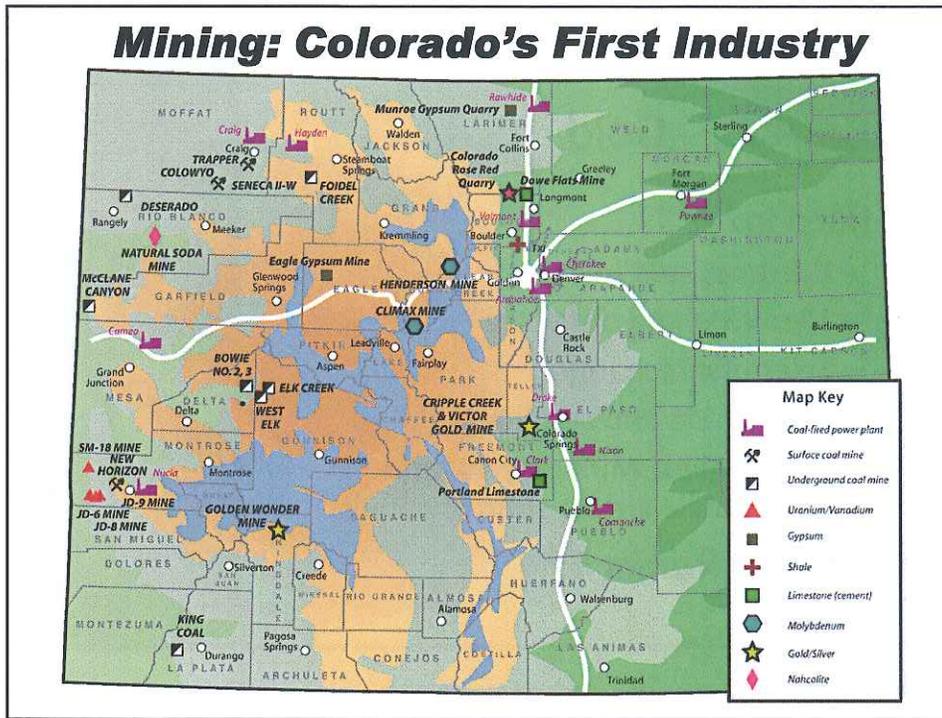
**12,000 Direct**

**MINING CONTRIBUTES  
\$6 BILLION TO  
COLORADO'S ECONOMY**

**MINING:**  
It's About the People.

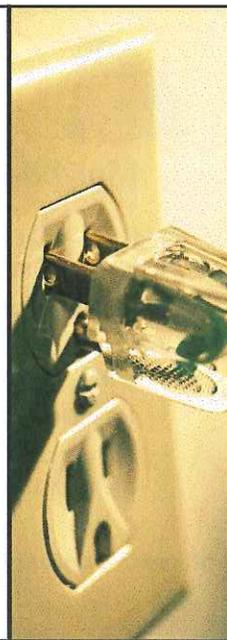


[www.coloradomining.org](http://www.coloradomining.org)



### Energy Minerals *Coal*

- Colorado ranks 9<sup>th</sup> among states in production – Clean, high BTU product is exceptionally low in sulfur, mercury and other emissions
- Coal is 66% of Colorado's electricity
- Colorado ranks 2<sup>nd</sup> among states in federal coal royalty payments – that's \$59 million half of which comes back to Colorado and public schools





## Gold

- Used in:
  - Currency and Jewelry
  - Medicine and dentistry
  - Scientific research
  - Computers and satellites
  - Cell phones, MP3 players, and automobile airbag control panels

**Colorado Ranks 4<sup>th</sup>**



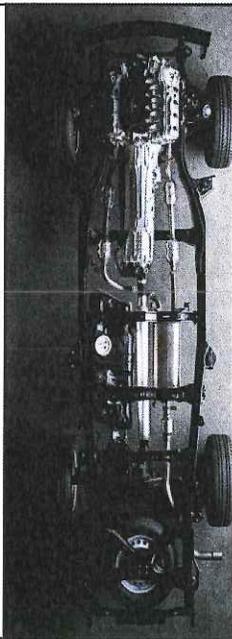
*Mining Matters... when you work on a computer.*



## Molybdenum – Colorado Ranks #1

- Added to stainless and alloy steels for anticorrosive and strength qualities
- Used in many products
  - Automobiles, motorcycles, bicycles, industrial, lab, and hospital equipment and parts
  - Heat sinks, computers
  - Toothpaste, WD-40, light bulbs, cooking utensils, paint, and so much more.

**Mined in Colorado!**



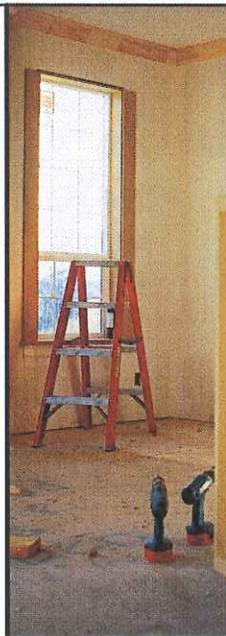
*Mining Matters... when you drive a vehicle.*



## Gypsum

- Primarily used in wallboard and plaster products
- Also used to make Portland cement
- Used in small amounts in agricultural applications
- Pure gypsum is used in glass-making

***Mined in Colorado!***



*Mining Matters... when you build a house.*



## Limestone

- Used as aggregate, and in cement and other building materials
- Used in industrial air filters to remove sulfur from exhaust gases
- Used in paint, paper, glass, plastic, and carpet production
- Used in water treatment and filtration
- Used in the construction of pads for wind towers

***Mined in Colorado!***

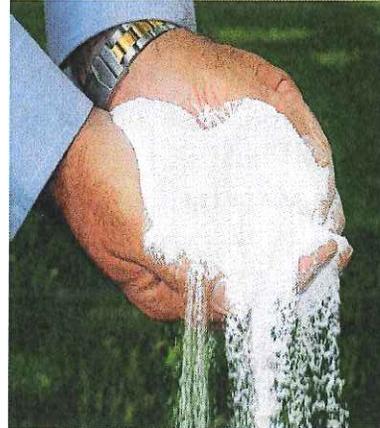


*Mining Matters... when you rollerblade on a sidewalk.*

## Nahcolite – Pure Sodium Bicarbonate

- Colorado has only pure sodium bicarbonate reserves in U. S.
- Used in flue gas desulfurization – lowering power plant emissions
- Other uses, baking soda and toothpaste

***Mined in Colorado!***



## Presenters

- Marie Patterson, Manager, State Government Affairs, AngloGold Ashanti NA Inc.
- Fred Menzer, Vice President, Colorado Operations, Climax Molybdenum Company
- Dianna Tickner, Vice President, Early Stage Project Development, Peabody Energy