



# AMERICAN VANADIUM

THE CRITICAL ELEMENT

## Corporate Profile

June 2012

[www.americanvanadium.com](http://www.americanvanadium.com)

OTCQX: **AVCVF** TSX.V: **AVC**

FRANKFURT: **OUA**

### ABOUT

American Vanadium is currently developing the only vanadium deposit in the United States. The Company's Gibellini Project, located in Nevada, is being designed to economically produce vanadium pentoxide for the steel and alloying industries, as well as vanadium electrolyte for the energy storage industry.

This strategic asset gives American Vanadium the opportunity to vertically integrate into the highest value market, Micro Grid Energy Storage. American Vanadium will be seeking to build the grid level energy storage business in the US by partnering with technology leaders in the solar, wind and grid-scale battery manufacturing industries.

A positive Feasibility Study and updated National Instrument 43-101 on the Gibellini Project were completed by AMEC E&C Services in 2011.

### TEAM

**Bill Radvak**

*President & CEO*

**Michael Doyle**

*Executive VP, Operations*

**Ron Espell**

*VP, Environmental*

**Michael Hyslop**

*Director, Corporate Development*

### DIRECTORS

**Ron MacDonald**

*Executive Chairman*

**Brian Bayley**

**Alan Branham**

**George Hawes**

**Dr. Kelly Hyslop**

**Brian McAlister**

**Bill Radvak**



## ENERGY



## STRENGTH

### INVESTMENT ADVANTAGES

#### Strong Financials

Excellent capital structure  
Strong Feasibility Study

#### Vanadium - A Critical Element

Increasing use in traditional markets  
Forecasted upward price pressure

#### Green Technology

Lighter, stronger steel  
Grid scale storage solution

#### US Producer

Developing America's only vanadium mine  
Strategic resource of national interest

#### Rapidly Evolving Story

Mine permitting and engineering underway  
Vertical integration into mass storage business

### CAPITAL STRUCTURE

Market Capitalization	CDN\$17 MM
Issued Shares	27 MM
Fully Diluted Shares	32 MM
Working Capital	CDN\$2.0 MM, no debt
Ownership	
Management and Insiders	35%
Institutions	20%



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## Investor Contact

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## Developing America's Only Vanadium Mine

100% controlled

Open pit, heap leach operation

Permitting and Mine engineering underway



### GIBELLINI HILL PROJECT

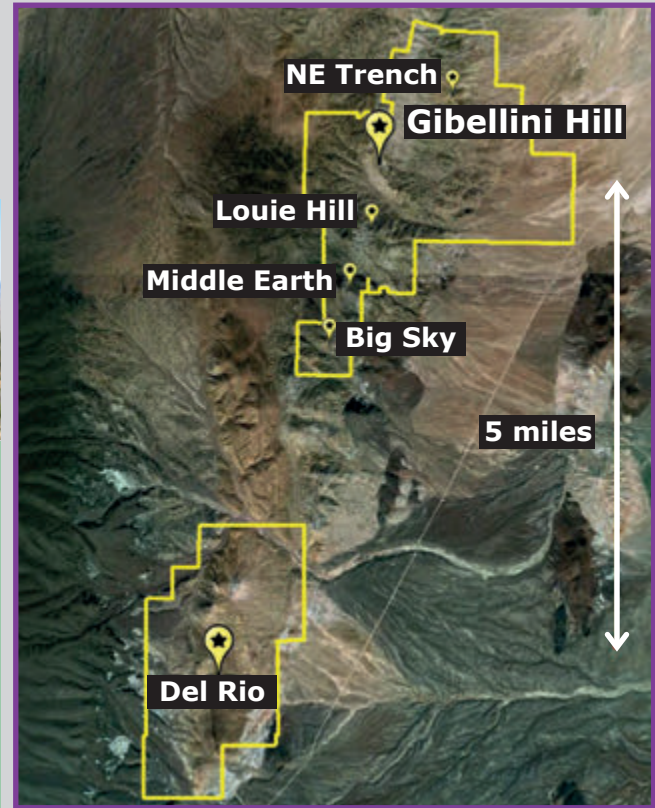
#### AMEC FEASIBILITY STUDY SUMMARY

September 7, 2011  
 (after tax)

Internal Rate of Return	43%
Net Present Value	\$170.1 million (7% discount)
Payback	2.4 years
Average Grade	0.302% V <sub>2</sub> O <sub>5</sub>
Strip Ratio	0.22 to 1 (waste:ore)
Mining Operating Rate	3.5 million tons / year (ore and waste)
Average V <sub>2</sub> O <sub>5</sub> Recovery	65.9%
Average Annual Production	11.4 million lbs V <sub>2</sub> O <sub>5</sub>
Operating Cost	\$4.10 / lb V <sub>2</sub> O <sub>5</sub>
Capital Cost	\$95.5 million (incl. \$10.7 million contingency)
Average V <sub>2</sub> O <sub>5</sub> Selling Price	\$10.95 / lb*
V <sub>2</sub> O <sub>5</sub> Selling Price Range	\$7.68 - \$13.63 / lb*

\*Roskill Consulting Group

## Eureka County, Nevada



#### AMEC NI 43-101 Technical Report Inferred Louie Hill Mineral Resource Estimate Effective May 20, 2011

Cut-off V <sub>2</sub> O <sub>5</sub> %	Tons (Mt)	V <sub>2</sub> O <sub>5</sub> %	V <sub>2</sub> O <sub>5</sub> (Mlb)
0.077	7.67	0.27	41.87

#### NI 43-101 Technical Report Gibellini Hill

#### Mineral Resource Estimate (effective July 31, 2011) and Mineral Reserve Estimate (effective August 31, 2011)

Class	Tons (1,000's)	V <sub>2</sub> O <sub>5</sub> (%)	Cut-off Grade (V <sub>2</sub> O <sub>5</sub> %)	V <sub>2</sub> O <sub>5</sub> Contained (1,000 lbs)
<b>RESOURCE</b>				
Total Measured & Indicated (inclusive of Reserves)	23,050	0.285	0.066 - 0.077	131,369
Total Inferred	14,226	0.172	0.066 - 0.088	48,960
<b>RESERVE</b>				
Proven and Probable	19,969	0.302	0.131 - 0.153	120,515

#### Safe Harbor

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