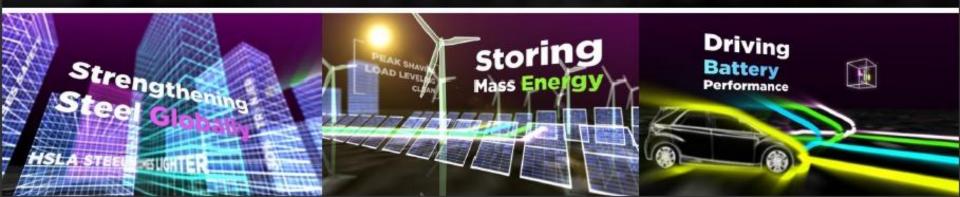
AMERICAN VANADIUM

THE CRITICAL ELEMENT

THE CRITICAL ELEMENT

Bill Radvak President & CEO July 25, 2011

TSX.V: AVC





Safe Harbour

American Vanadium Corp. ("AVC") will strive to maintain the information in this presentation in an accurate and timely manner. However, the information contained in this presentation should not be solely relied upon when making investment decisions. AVC does not warrant or make any representations as to the accuracy, completeness or content of this information or any other information discussed or referenced in this presentation. This presentation contains statements which may be deemed to be "Forward-Looking Statements" within the meaning of Section 27A of the Securities Act of 1933, as amended and Section 21E of the Securities Exchange Act of 1934, as amended. We may also make written or oral forward-looking statements in our periodic reports, or in our annual report to shareholders, in our proxy statements, in our offering circulars and prospectuses, in press releases and other written materials and in oral statements made by our officers, directors, or employees to third parties. Statements that are not historical facts, including statements about our beliefs and expectations, are forward-looking statements. These statements are based on current plans, estimates and projections, and therefore you should not place undue reliance on them. Forward-looking statements speak only as of the date they are made, and we undertake no obligation to update publicly any of them in light of new information or future events.

Forward-looking statements involve inherent risks and uncertainties. We caution you that a number of important factors could cause actual results to differ materially from those contained in any forward-looking statement.



Board of Directors



Brian McAlister, BS Chairman

Brian McAlister is the President of Cornet Capital Corporation, a company owned and controlled by Mr. McAlister, which is engaged in the business of assisting start-up corporations with capital raising, funding and other consulting activities. Over the past 27 years, Mr. McAlister has assisted in excess of 25 early stage companies in varied industries including biotechnology, enterprise software, and natural resources. Mr. McAlister holds a Bachelor of Science Degree (1979) with a major in Finance from the University of Denver.



Brian Bayley, Director

With over 25 years of business experience, Mr. Bayley has extensive knowledge in areas of asset backed lending, real estate, corporate restructuring and natural resources. Brian E. Bayley is currently a Director and Resource Lending Advisor of Sprott Resource Lending Corp. (formerly Quest Capital Corp.), a TSX Exchange and NYSE Amex listed resource lending corporation. Previously, he was President and CEO of Quest Capital Corp. Mr. Bayley holds an MBA from Queen's University. Mr. Bayley is currently a director and/or officer on numerous other public companies.



Alan Branham, PhD Director

Alan Branham has more than 20 years of international exploration experience, most recently as President of Midway Gold Corp. Prior to Midway, Mr. Branham was a senior geologist with Newmont Mining Corp. Mr. Branham earned a Masters of Science Degree in Economic Geology from Washington State University, a Bachelor Degree from Stanford University, California, and has participated in successful exploration projects in the Southwestern United States, Mexico and Central America. Mr. Branham was involved with the discovery of several world-class gold deposits in the Carlin Trend in Nevada.



George Hawes Director

Mr. Hawes is a private investor and is President of G.T. Hawes & Co., a private New York real estate and investment company. He is currently a Director of Proginet Corporation, an enterprise security software company, and is a Director of Midway Gold Corp., a gold exploration and development company.



Dr E Kelly Hyslop Director

Dr. Hyslop is retired after 25 years as a Physician and Clinical Professor in the Department of Medicine at UBC. He has also taught nonseismic geophysics and geochemistry to the oil industry when with Barringer Research for 12 years. He is and has been involved in multiple startup, Earth Science and Biotechnology companies, generally raising capital and advising in the inter-phase between science and finance; and then involved on the Board or Directors of these companies.



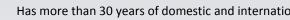
Management



Bill Radvak, BASc President & CEO, Director

Received a Mining and Mineral Process Engineering Degree (1986) from the University of British Columbia. He joined AVC in January 2010 as President & CEO. Mr. Radvak is a co-founder and past Chief Executive Officer of Response Biomedical, a medical device company he led from its evolution to a 90-employee company and raised in excess of \$50 million in public offerings.





Michael Doyle, MGeol Executive Vice President of Operations

Has more than 30 years of domestic and international mining experience in surface and underground operations, most recently as Executive Vice President of Allied Nevada Gold Corp. Prior to joining Allied Nevada Gold Mr. Doyle held positions of Senior Vice President of Operations for Kinross Gold Corporation, Vice president and General Manager of Round Mountain Gold Corp, (Kinross-Barrick joint venture), General Manager of Gold Bar operations for Atlas Gold Corp. He graduated in 1977 from the University of California at Santa Barbara with a degree in geology and was the past chairman of the Nevada Mining Association.

Paul Casey, MBA Director of Business Development

Has over 12 years experience in the highly regulated medical device industry and has managed several large projects from concept to market. His experience is in strategic business planning, business tactics and developing or structuring new businesses partnerships with multinational companies. He has masters degrees in science and business and will be focusing his efforts solely into the vertical integration of our vanadium products into multiple markets.



Michael Hyslop Director of Corporate Development

Has worked as a licensed stock broker where he focused on venture capital financing in the resource sector. He has consulted for several resource company's since leaving the brokerage community providing advice and support in financings.



Bob Cross, BASc, MBA Advisor

Has more than 20 years experience as a financier in the mining and oil & gas sectors. Mr. Cross is a co- founder and Non-Executive Chairman of Bankers Petroleum, Non-Executive Chairman of B2Gold, and until October 2007, was the Non-Executive Chairman of Northern Orion Resources. Between 1996 and 1998, Mr. Cross was Chairman and Chief Executive Officer of Yorkton Securities. From 1987 to 1994, he was a Partner, Investment Banking with Gordon Capital. He has an Engineering Degree from the University of Waterloo, and an MBA from Harvard **Business School**.

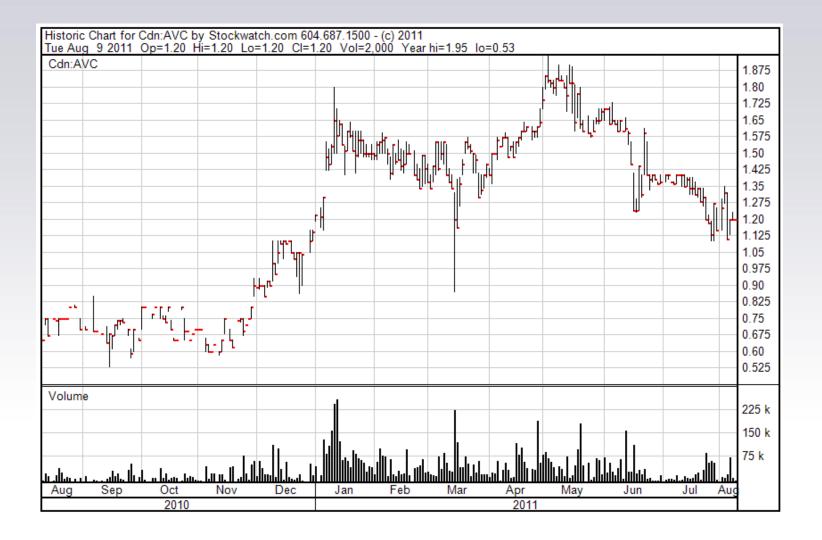




Capital Structure

AVC : TSX	July 25 th 2011
Market Capitalization	\$35 million
Issued Shares	25 million
Fully Diluted Shares	31 million
Options	2.2 million between \$0.40 & \$1.64
Warrants	1.2 million @ \$0.40 expire August 2011 0.2 million @ \$1.35 expire March 2012 1.4 million @ \$1.95 expire Sept 2012 0.6 million @ \$2.00 expire January 2013
Working Capital (cash)	\$6.2 million. No debt
Ownership	50% Management and Insiders 10% Institutions









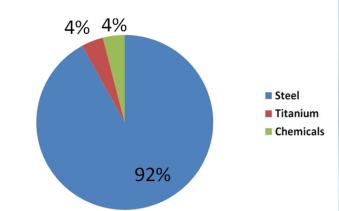
Nevada

Sole US primary producer
End of 2012 production target
5% of global production
Open pit, 0.2 strip ratio
Heap leach
Q3 2011 Final Feasibility Study
* Scoping Study, PEA & NI43-101
AMEC 2008
\$90M Cap Ex
40% After Tax IRR
\$89,000,000 NPV

	Resource	Expansion	Grade	Market Price	Op Cost	Production pa
V ₂ O ₅	122 M lbs	366 M lbs	0.339%	\$7.50 /lb	\$3 /lb	14,000,000 lbs

Vanadium Use

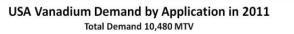
World Vanadium Demand by Application in 2011

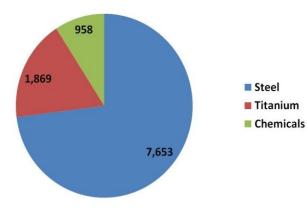


Global Vanadium Consumption

92% High Strength, Low Alloy Steels

- 4% Titanium Alloys air fames, jet engines, tools
- **4% Chemicals** catalysts, sulfuric acid production, Energy Mass Storage







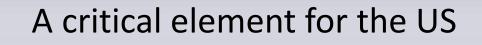
AMERICAN VANADIUM

THE CRITICAL ELEMENT









American Steel

 Without Vanadium American steel is uncompetitive and will not meet building codes.

Aerospace and defense industry

- No known substitute for vanadium used in top titanium alloys.
- Without vanadium the US cannot produce aircraft, missiles, light weight personnel transports and other military and commercial aerospace products.

Chemicals & Pollution Control

- No known substitutes in many catalysts applications for the production of synthetic rubber, polyester, fiberglass, sulfuric acid and other important industrial chemicals.
- Vanadium is a critical component of many pollution control catalysts in removing sulfur dioxide and nitrogen oxide pollutants from gas streams generated by power stations and industrial facilities.
- Without vanadium the production of important industrial chemicals and pollution control catalysts is impossible.

Grid Scale Electrical Storage

- The Vanadium Redox Batteries offer scalable and long lasting electrical grid storage solution
- Vanadium Redox batteries provide the foundation for almost all green industries such as wind and solar power and the smart grid.









Vanadium in Steel

for a greener future

10

High Strength, Low Alloy Steel

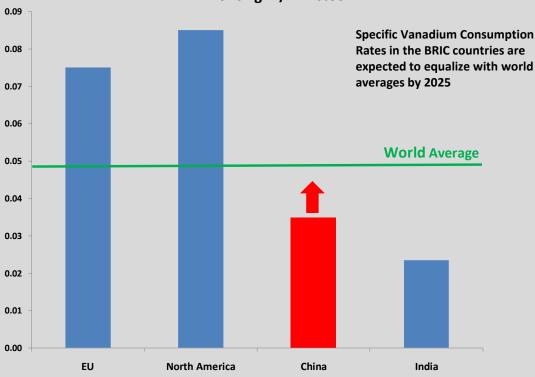
92% of Vanadium used in HSLA Steels
– 1 lb HSLA = 1.4 lb carbon steel
– Buildings, bridges, cranes, trucks, pipelines, ships, engines

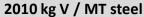
Strength increased by up to 100%

Weight decreased by up to 30% decreased iron ore consumption decreased shipping costs decreased energy consumption decreased manufacturing costs decreased pollution decreased number of steel mills



Steel Regulation





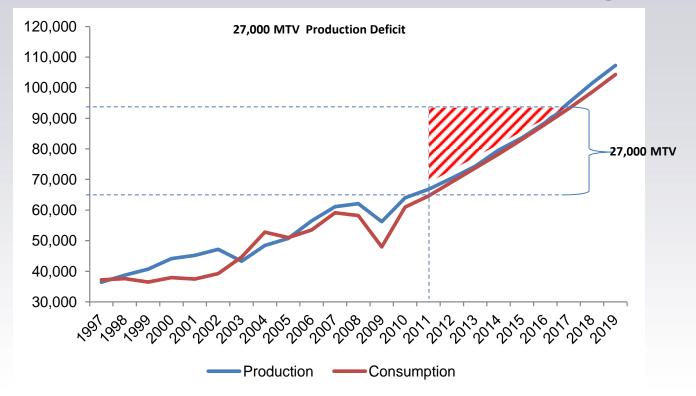


China is making the use of vanadium a key part of its Twelfth, 5 Year Plan

This is expected to drive specific consumption rates and international competition for vanadium dramatically.



Vanadium Production Shortage



Chinas Regulation is driving a production shortage of vanadium of 27,000 MTV

As of July 1, 2011 any new building designed must incorporate grade 3 or 4 rebar, both of which require vanadium while grade 2 does not.

This equates to an additional 27,000 MTV per year demand of vanadium. This is a global increase of about 40% and underlines the fact that production will not meet required consumption levels until 2017.

Vanadium in Energy Storage

for a greener future





Fixing the Grid "The world's largest supply chain without a warehouse"



Problem

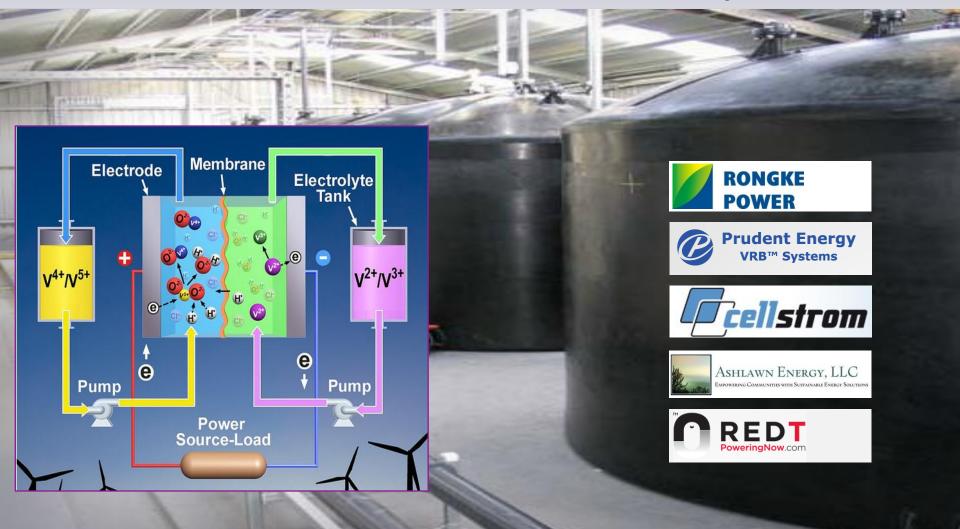
- No Grid Storage Capability
- Massive storage capability required for Off-Peak usage to manage base load power balancing
- Grid Power surging with solar and wind
- Huge Grid replacement/upgrade costs
- Smart Grid Upgrade requires storage to be economically effective.

Solution

- Vanadium Redox Batteries (VRB's)
- >20 year battery life. Only battery that rapidly charges and discharges with little effect on battery life
- *No limit on size*. Huge scalability potential
- > 10,000 cycles per battery. No chemical reaction batteries do not degrade or get "consumed" over time
- Scalable solution
- High volumes of vanadium required



Vanadium Redox Battery





VRB Power Grid Application



Add local capacity

- Eliminate need to increase size of power generation to only meet peak demand
 - Power generation scaled to average demand
 - Peak demand satisfied with storage
- Reduce need to send excess power down the lines just in case it is needed. Unexpected demand drawn from storage
- Buy cheap power based on time of day and store

Energy Storage in California

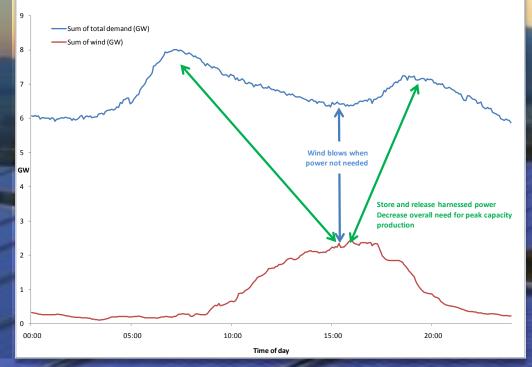
Average annual electricity usage is > 270,000 GWH

Average peak daily demand is about 65,000 MW

AB 2514 has now passed in California – Energy storage targets.

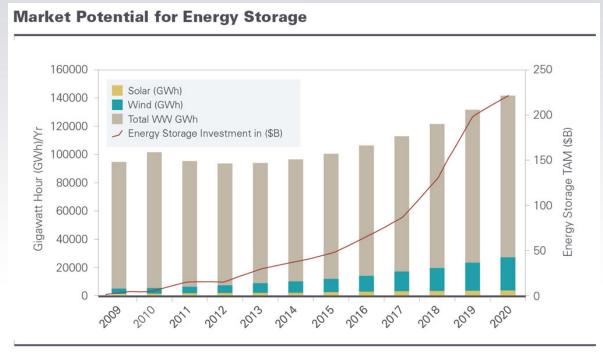
VRB Renewable Energy Application

- Eliminate intermittent supply issues by storing and releasing as needed
- Store when spot rates are low and sell when they are high
- EIA predicts wind and solar production will be 777 B kWh by 2015
 - Assume 1% in storage
- Vanadium required would be about 160,000 MT or about 2.3X the 2010 production





Grid Level Energy Storage



- Estimated Energy Storage Investments are expected to reach \$225 Billion by 2020
- This investment not only is expected to save immense capital replacement and upgrade costs of the grid, but is expected to yield returns through increased energy efficiency in the grid.
- Currently the US government Subsidies the inefficiency's

Data Source: Piper Jaffray, World Wind Energy Association, EPIA



VRBs and China

On June 4, researchers at the Dalian Institute of Chemical Physics (DICP) of the Chinese Academy of Sciences report that a vanadium redox flow battery for grid storage has been in operation for 1,429 days with a total running time of more than 34,000 hours and 10,000 charge/discharge cycles.

This is the second vanadium flow system to attain the 10,000 charge/discharge mark, the first one being done by Sumitomo Electric in Japan.



DICP Symposium Stationary Energy Storage Technology and Policies June 2011



Vanadium in Car Batteries

for greater performance



Subaru G4E Concept

Cathode	Voltage (V)	Energy (kWh/kg)	Cost (\$, relative)
LiCoO ₂	3.7	0.518	1
LiMn ₂ O ₄	4	0.4	0.04
LiFePO ₄	3.3	0.495	0.03
Li ₂ FePO ₄ F	3.6	0.414	0.08
Li ₃ V ₂ (PO ₄) ₃	4.8	0.624	0.4
LiVPO ₄ F	4.1	0.492	0.84



Audi A2

nanove



Vanadium Price Forecast

Only based on Steel use



Previous attempts of regulate steel production resulted in dramatic price spike in 2005.

China was unable to commit to regulation as a result of lack of supply

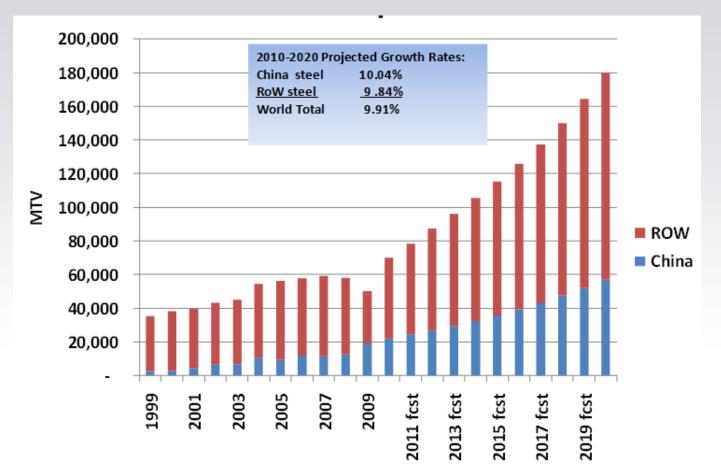
Forecasts of Vanadium prices only take into account steel market supply/demand dynamics.

No provision has been made for grid storage or titanium alloying demand effects.



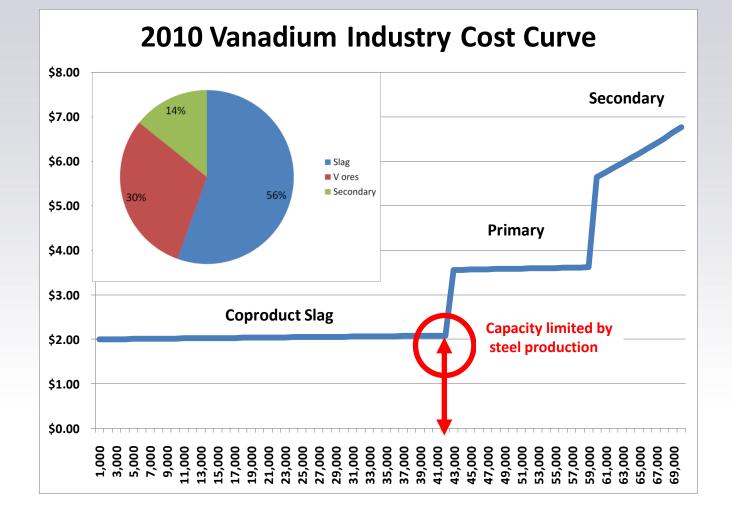
Vanadium Consumption Growth

1999 – 2020 (V2O5 Equivalent)



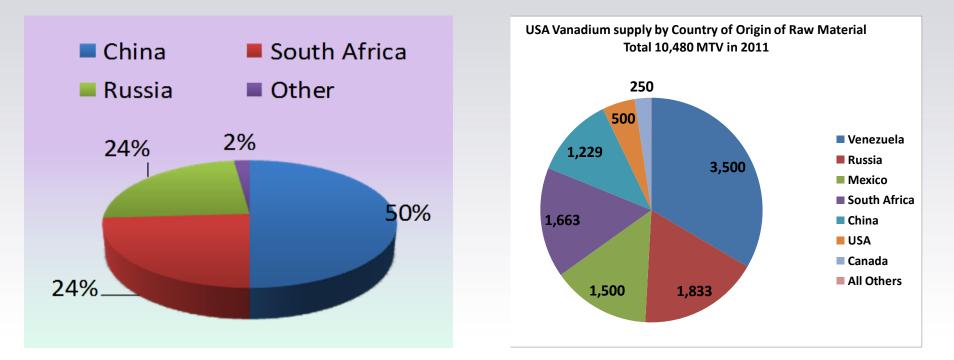
Global Vanadium Consumption is predicted to double by 2020







Primary Vanadium Mining Production



US imports:

95% of its Vanadium for steel.100% of its Vanadium for titanium alloys



PROPOSED OPEN PIT OUTLI

Gibellini Hill Project

100% owned by American Vanadium

3,400 acres – 298 unpatented claims

\$145,000 Annual Prepaid Royalty, 2.5% NSR

Historic exploration drilling > 160 holes by Union Carbide, Noranda, Atlas

AMEC Scoping Study in 2008

Potentially lowest cost primary vanadium producer in the world

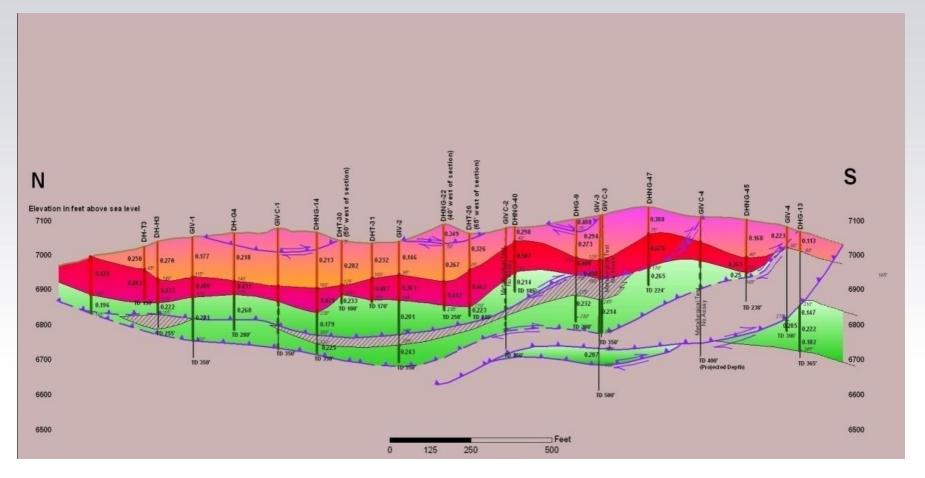
Could supply 5% of world's current demand for vanadium for 15 years

NI 43-101 Compliant Resource

Category	Tons (MM)	V₂O₅ Grade (%)	Pounds V ₂ O ₅ Contained
Total Indicated	18.0	0.339	122 million
Total Inferred	2.8	0.282	16 million

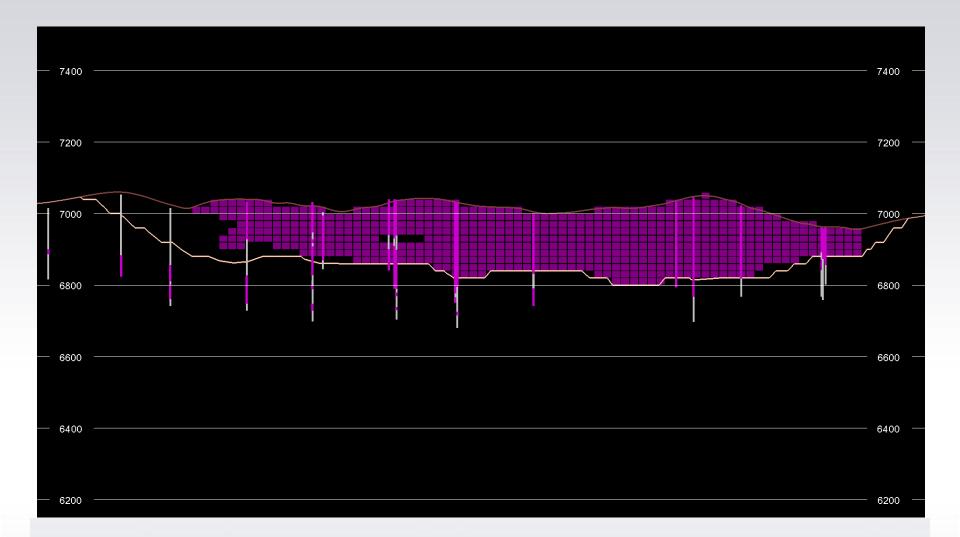


Gibellini Hill Geology



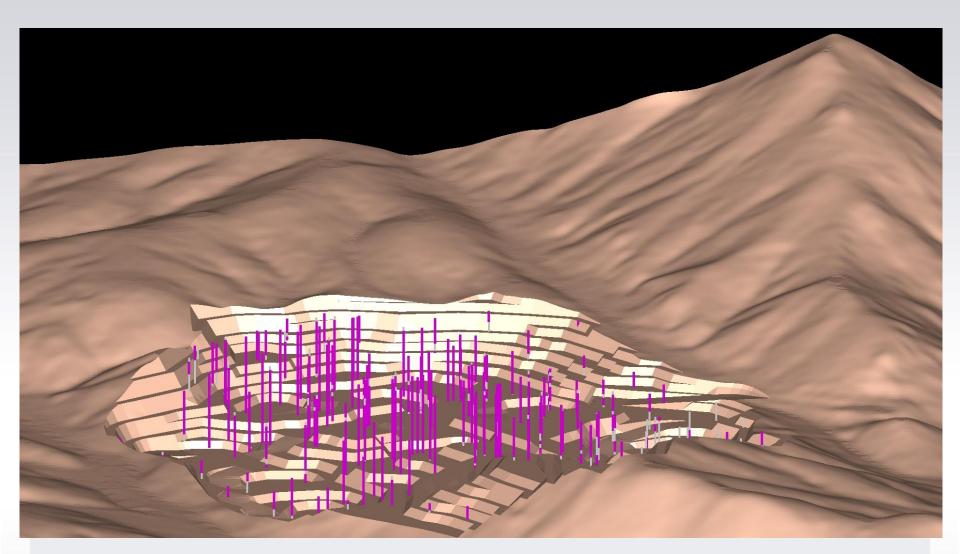


Gibellini Hill Long Section SW View





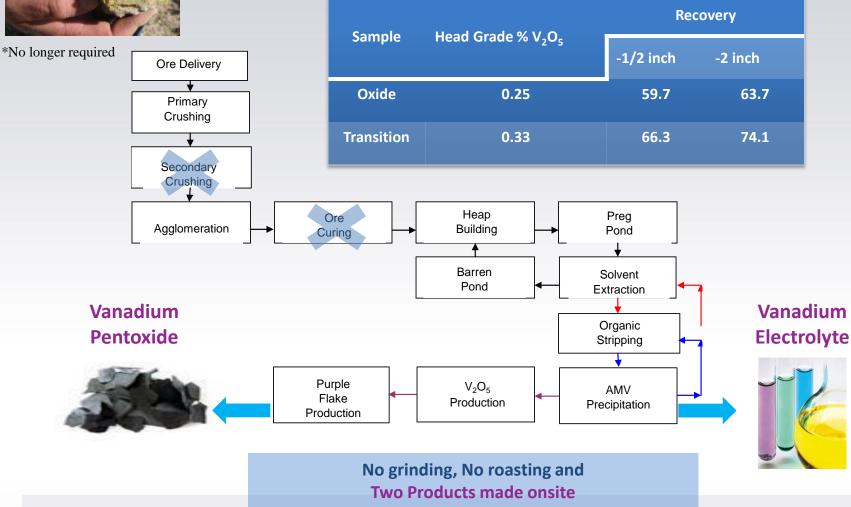
Gibellini Hill Final Pit w/ Drill Holes North View







Process Flow Sheet - Sulfuric Acid Heap Leach







Feasibility Study and updated NI 43-101 by AMEC expected Q3 2011



Gibellini Hill

Middle Earth Big Sky

Louie Hill



lmage



Resource Expansion

NE TRENCH ANOMALY

GIBELLINI HILL

Image US Image

NI 43-101	Р
Resource	

Potential

	 a series		
MIDD	NETE	OM	

BIG SKY ANOMALY

Gibillini Hill	21MT
Louie Hill 10 MT Target 10 holes drilled by AVC 50 historic holes by Atlas Similar geology to Gibellini Hill Higher grade intercepts Could add 50% to mine life	10MT
Middle Earth	5 MT
Big Sky	5 MT
Del Rio	20 MT

2011 Budget of \$1,000,000





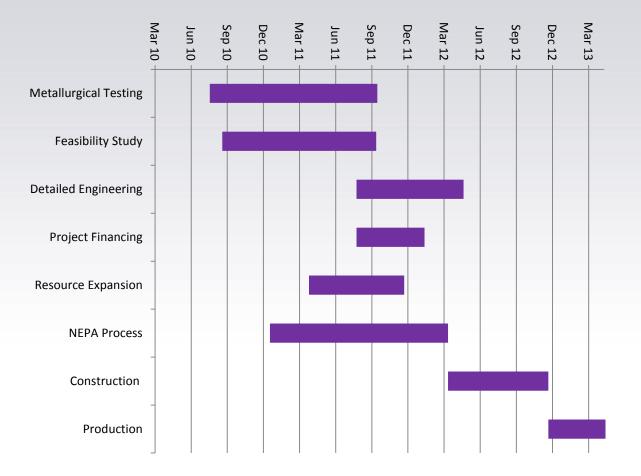
AMEC Scoping Study

Annual Tonnage, short tons	3,000,000
Vanadium Production, lb V2O5/yr	14,000,000
Capital Cost	\$89,000,000
Operating Cost, /ton	\$14
Operating Cost, /lb V2O5	\$3
NPV @ 5% Discount	\$89,000,000
	<i>909,000,000</i>
IRR After Tax	40%

Scoping Study and 43-101 Technical Report by AMEC, Oct 2008 Using \$6.00 V2O5 Price **Opportunities to improve:** Reduce sulfuric acid • consumption **Reduce crushing** Power, capital, operating costs



Timeline





Investment Advantages

Excellent capital structure

One of the lowest cost & easiest vanadium operations in the world

Favorable geology Open pit with 0.2 strip ratio Heap leach with minimal crushing Low capital cost

Excellent mining jurisdiction

Low risk

Project expansion opportunities

Vanadium

Likely increase in Vanadium price Strategic resource Vertical integration into electrolyte production Vertical integration into value added alloys

Strategic opportunities and exits



Vanadium – The critical element for the US



It is critical that the USA develop and implement a plan to become more self reliant in terms of vanadium supply.



Bill Radvak, President & CEO

Suite 1028, 550 Burrard Street Vancouver, BC Canada V6C 2B5

Tel	(604) 488-5417
Cel	(778) 888-4101

TSX.V: AVC US: RMRCF Germany : 0UA

bradvak@americanvanadium.com www.americanvanadium.com

Twitter American VanadiumFacebook American Vanadium

- 💿 LinkedIn American Vanadium
- 🐻 Youtube American Vanadium