EMC METALS CORP.
Form 10-Q
November 14, 2012

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-Q

[X] QUARTERLY REPORT UNDER SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended **September 30, 2012**

[ ] TRANSITION REPORT UNDER SECTION 13 OR 15 (d) OF THE EXCHANGE ACT

For the transition period from __________________ to __________________

000-54416
(Commission File Number)

EMC METALS CORP.
(Exact name of registrant as specified in its charter)

British Columbia, Canada	**98-1009717**
(State or other jurisdiction of incorporation or organization)	(IRS Employer Identification No.)

1430 Greg Street, Suite 501, Sparks, Nevada 89431
(Address of principal executive offices) (Zip Code)

(775) 355-9500
(Registrant s telephone number, including area code)

N/A
(Former name, former address and former fiscal year, if changed since last report)

Indicate by check mark whether the registrant (1) filed all reports required to be filed by sections 13 or 15(d) of the Securities and Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.
Yes [**X**] No [ ]

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files).
Yes [**X**] No [ ]

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company.

Large accelerated filer [ ] Accelerated filer [ ] Non-accelerated filed [ ] Smaller reporting company [**X**]

Indicate by check mark whether the registrant is a shell company, as defined in Rule 12b-2 of the Exchange Act.
Yes [ ] No [**X**]

Indicate the number of shares outstanding of each of the registrant s classes of common stock, as of the latest practicable date:

As of November 14, 2012, the registrant s outstanding common stock consisted of 162,358,337 shares.

PART I. FINANCIAL INFORMATION

Item 1. Financial Statements

(An Exploration Stage Company)

UNAUDITED CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

NINE MONTHS AND QUARTER ENDED SEPTEMBER 30, 2012

EMC Metals Corp.
(An Exploration Stage Company)
CONDENSED CONSOLIDATED BALANCE SHEETS
(Expressed in Canadian Dollars) (Unaudited)

As at:		September 30, 2012		December 31, 2011
ASSETS				
Current				
Cash	$	548,503	$	804,892
Investments in trading securities, at fair value (Note 3)		2,250		2,250
Prepaid expenses and receivables		200,043		192,158
Total Current Assets		750,796		999,300
Restricted cash (Note 4)		159,400		159,400
Property, plant and equipment (Note 5)		30,505,415		30,676,426
Mineral interests (Note 6)		746,322		679,711
Total Assets	$	32,161,933	$	32,514,837
LIABILITIES AND STOCKHOLDERS EQUITY				
Current				
Accounts payable and accrued liabilities	$	251,178	$	550,081
Convertible debenture (Note 10)		1,775,679		-
Current portion of promissory notes payable (Note 9)		4,576,714		529,752
Total Current Liabilities		6,603,571		1,079,833
Promissory notes payable (Note 9)		-		3,813,750
Total Liabilities		6,603,571		4,893,583
Stockholders Equity				
Capital stock (Note 11) (Authorized: Unlimited number of shares; Issued and outstanding: 162,358,337 (2011 150,678,713))		89,279,798		88,578,045
Treasury stock (Note 12)		(1,343,333)		(1,343,333)
Additional paid in capital (Note 11)		2,044,257		1,476,285
Deficit accumulated during the exploration stage		(64,422,360)		(61,089,743)
Total Stockholders Equity		25,558,362		27,621,254
Total Liabilities and Stockholders Equity	$	32,161,933	$	32,514,837

Nature and continuance of operations (Note 1)

The accompanying notes are an integral part of these condensed consolidated financial statements.

EMC Metals Corp.
(An Exploration Stage Company)
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS AND COMPREHENSIVE LOSS
(Expressed in Canadian Dollars) (Unaudited)

	Cumulative amounts from incorporation on July 17, 2006 to September 30, 2012	Three month period ended September 30, 2012	Three month period ended September 30, 2011	Nine month period ended September 30, 2012	Nine month period ended September 30, 2011
EXPENSES					
Amortization (Note 5)	$ 2,458,606	$ 45,886	$ 83,070	$ 174,387	$ 258,041
Consulting	2,451,213	82,799	221,147	178,972	371,724
Exploration	15,190,092	338,929	566,494	764,387	1,159,862
General and administrative	7,847,189	214,793	185,795	565,726	388,092
Insurance	1,022,532	28,707	17,275	64,654	34,133
Professional fees	3,246,383	50,312	166,283	195,367	271,263
Research and development	3,474,068	-	-	-	-
Salaries and benefits	7,414,140	284,358	184,321	704,951	465,995
Stock-based compensation (Note 11)	5,728,257	114,863	51,447	314,582	178,642
Travel and entertainment	1,672,200	14,994	43,403	62,233	137,623
Loss before other items	(50,504,680)	(1,175,641)	(1,519,235)	(3,025,259)	(3,265,375)
OTHER ITEMS					
Foreign exchange gain (loss)	526,761	143,360	(537,667)	1,124	(320,215)
Loss on transfer of marketable securities	(3,115,889)	-	-	-	-
Gain on settlement of convertible debentures	1,449,948	-	-	-	-
Gain on sale of marketable securities	1,836,011	-	-	-	-
Write-off of mineral interests	(18,091,761)	-	-	-	-
Write-off of land and water rights	(3,100,000)	-	-	-	-
Gain on insurance proceeds	972,761	-	-	-	-
Interest expense	(61,264)	(108,270)	(38,713)	(308,482)	(168,135)
Other income	502,965	-	-	-	-
Gain on disposition of assets (Note 6)	959,281	-	-	-	491,897
Change in fair value of derivative liability (Note 8)	485,358	-	-	-	228,741
Unrealized gain on marketable securities	53,830	-	-	-	-

		(17,581,999)		35,090		(576,380)		(307,358)		232,288
Loss before income taxes		(68,086,679)		(1,140,551)		(2,095,615)		(3,332,617)		(3,033,087)
Deferred income tax recovery		6,522,138		-		-		-		-
Loss and comprehensive loss for the period	$	(61,564,541)	$	(1,140,551)	$	(2,095,615)	$	(3,332,617)	$	(3,033,087)
Basic and diluted loss per common share				(0.01)		(0.01)		(0.02)		(0.02)
Weighted average number of common shares outstanding				158,549,764		150,678,713		153,321,548		150,311,704

The accompanying notes are an integral part of these condensed consolidated financial statements.

EMC Metals Corp.
(An Exploration Stage Company)
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
(Expressed in Canadian Dollars) (Unaudited)

	Cumulative amounts from incorporation on July 17, 2006 to September 30, 2012	Nine month period ended September 30, 2012	Nine month period ended September 30, 2011
CASH FLOWS FROM OPERATING ACTIVITIES			
Loss for the period	$ (61,564,541)	$ (3,332,617)	$ (3,033,087)
Items not affecting cash:			
Amortization	2,458,606	174,387	258,041
Research and development	3,474,068	-	-
Consulting paid with common shares	10,711	-	-
Gain on disposal of assets	(959,281)	-	(491,897)
Convertible debenture costs	(1,312,878)	-	-
Unrealized foreign exchange	699,157	(87,955)	190,875
Stock-based compensation	5,728,257	314,582	178,642
Unrealized gain on marketable securities	(53,830)	-	-
Realized gain on marketable securities	(1,836,011)	-	-
Write-off of mineral properties	18,091,761	-	-
Write-off of land and water rights	3,100,000	-	-
Realized loss on transfer of marketable securities	3,115,889	-	-
Change in fair value of derivative liability	(485,358)	-	(228,741)
Deferred income tax recovery	(6,522,138)	-	-
Accrued interest expense	21,252	-	-
Finance charge	213,362	213,362	-
Accrued interest income	(2,809)	-	-
	(35,823,783)	(2,718,241)	(3,126,167)
Changes in non-cash working capital items:			
Increase in prepaids and receivables	(133,493)	(7,885)	(83,447)
Increase (decrease) in accounts payable and accrued liabilities	(811,731)	(298,903)	360,433
Increase in due to related parties	1,163,028	-	-
Asset retirement obligations	(1,065,891)	-	-
	(36,671,870)	(3,025,029)	(2,849,181)
CASH FLOWS FROM INVESTING ACTIVITIES			
Cash acquired from subsidiary	4,857,012	-	-
Cash paid for Subsidiary	(11,359,511)	-	-
Spin-out of Golden Predator Corp.	(76,388)	-	-
Restricted cash	(159,400)	-	-
Reclamation bonds	795,785	-	-
Proceeds from sale of marketable securities, net	(4,135,798)	-	-
	675,742	-	-

Proceeds from sale of property, plant and equipment						
Purchase of property, plant and equipment		(21,258,824)		(3,376)		(56,415)
Proceeds from sale of mineral interests		500,000		-		500,000
Additions to unproven mineral interests		(4,783,673)		(1,610,155)		(184,794)
Recoveries from unproven mineral interests		1,452,095		1,452,095		-
		(33,492,960)		(161,436)		258,791
CASH FLOWS FROM FINANCING ACTIVITIES						
Common shares issued		56,223,174		701,753		210,249
Share issuance costs		(1,277,713)		-		-
Special warrants		13,000,000		-		-
Options exercised		384,900		-		43,000
Warrants exercised		11,164,849		-		320,599
Notes payable		(9,966,000)		-		-
Receipt of promissory note		997,000		997,000		-
Convertible debenture		1,994,000		1,994,000		-
Debt issuance costs		(249,827)		(249,827)		-
Payment of promissory note		(1,773,550)		(512,850)		-
Advances from related party		216,500		-		-
Loans advanced to Midway		(2,000,000)		-		-
Loan repayment from Midway		2,000,000		-		-
		70,713,333		2,930,076		573,848
Change in cash during the period		548,503		(256,389)		(2,016,542)
Cash, beginning of period		-		804,892		4,126,424
Cash, end of period	$	548,503	$	548,503	$	2,109,882

Supplemental disclosure with respect to cash flows (Note 14)

The accompanying notes are an integral part of these condensed consolidated financial statements.

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EMC Metals Corp.
(An Exploration Stage Company)
CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS EQUITY
(Expressed in Canadian Dollars) (Unaudited)

	Capital Stock					
	Number of Shares	Amount $	Additional Paid in Capital $	Treasury $	Deficit Accumulated During the Exploration Stage $	Total $
Balance, July 17, 2006	-	-	-	-	-	-
Private placements	5,000,000	3,500,000	-	-	-	3,500,000
Excess of exchange amount over carrying amount of Springer Mining Company	-	-	-	-	(2,857,819)	(2,857,819)
Loss for the period	-	-	-	-	(357,670)	(357,670)
Balance, December 31, 2006	5,000,000	3,500,000	-	-	(3,215,489)	284,511
Private placements	17,577,500	35,155,000	-	-	-	35,155,000
Conversion of special warrants	5,390,000	5,390,000	-	-	-	5,390,000
Exercise of warrants	50,000	75,000	-	-	-	75,000
Share issuance costs broker s fees	-	(1,215,074)	99,000	-	-	(1,116,074)
Share issuance costs shares issued	100,000	100,000	-	-	-	100,000
Shares issued for mineral properties	100,000	100,000	-	-	-	100,000
Stock-based compensation	40,000	40,000	489,562	-	-	529,562
Loss for the year	-	-	-	-	(6,128,912)	(6,128,912)
Balance, December 31, 2007	28,257,500	43,144,926	588,562	-	(9,344,401)	34,389,087
	5,322,500	10,645,000	-	-	-	10,645,000

Private placements						
Conversion of special warrants	7,610,000	7,610,000	-	-	-	7,610,000
Share issuance costs broker s fees	-	(261,638)	-	-	-	(261,638)
Shares issued for mineral properties	110,000	210,000	-	-	-	210,000
Acquisition of Gold Standard Royalty Corp.	2,050,000	4,100,000	143,017	-	-	4,243,017
Acquisition of Great American Minerals Inc.	1,045,775	2,091,550	426,672	-	-	2,518,222
Acquisition of Fury Explorations Ltd.	10,595,814	13,774,558	7,787,783	(2,087,333)	-	19,475,008
Exercise of stock options	6,637,224	10,027,915	(184,265)	-	-	9,843,650
Shares issued for repayment of promissory note	4,728,000	2,364,000	-	-	-	2,364,000
Stock-based compensation	-	-	2,324,458	-	-	2,324,458
Loss for the year	-	-	-	-	(17,968,454)	(17,968,454)
Balance, December 31, 2008	66,356,813	93,706,311	11,086,227	(2,087,333)	(27,312,855)	75,392,350
Private placements	14,500,000	1,190,000	-	-	-	1,190,000
Exercise of stock options	101,000	126,186	(105,986)	-	-	20,200
Shares issued for mineral properties	2,765,643	367,695	-	-	-	367,695
Settlement of convertible debentures	7,336,874	2,934,752	62,903	-	-	2,997,655
Shares issued for consulting	89,254	10,711	-	-	-	10,711
Shares issued for acquisition of TTS	19,037,386	2,094,112	-	-	-	2,094,112
	-	-	836,240	-	-	836,240

Stock-based compensation before spin-out						
Spin-out of GPD	-	(18,540,194)	(11,879,384)	-	-	(30,419,578)
Stock-based compensation after spin-out	-	-	979,611	-	-	979,611
Loss for the year	-	-	-	-	(21,645,581)	(21,645,581)
Balance, December 31, 2009	110,186,970	81,889,573	979,611	(2,087,333)	(48,958,436)	31,823,415
Private placements	30,252,442	4,700,312	454,768	-	-	5,155,080
Exercise of stock options	1,320,000	456,602	(226,302)	-	-	230,300
Exercise of warrants	7,300,000	1,092,000	-	-	-	1,092,000
Stock-based compensation	-	-	795,268	-	-	795,268
Loss for the year	-	-	-	-	(4,722,755)	(4,722,755)
Balance, December 31, 2010	149,059,412	88,138,487	2,003,345	(2,087,333)	(53,681,191)	34,373,308
Exercise of stock options	250,000	118,959	(75,959)	-	-	43,000
Exercise/expiry of warrants	1,369,301	320,599	(744,000)	744,000	-	320,599
Stock-based compensation	-	-	292,899	-	-	292,899
Loss for the year	-	-	-	-	(7,408,552)	(7,408,552)
Balance, December 31, 2011	150,678,713	88,578,045	1,476,285	(1,343,333)	(61,089,743)	27,621,254
Private placements	11,679,624	701,753	-	-	-	701,753
Stock-based compensation	-	-	314,582	-	-	314,582
Issue of convertible debenture warrants	-	-	253,390	-	-	253,390
Loss for the period	-	-	-	-	(3,332,617)	(3,332,617)
Balance, September 30, 2012	162,358,337	89,279,798	2,044,257	(1,343,333)	(64,422,360)	25,558,362

The accompanying notes are an integral part of these condensed consolidated financial statements.

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EMC Metals Corp.
(An Exploration Stage Company)
NOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS
September 30, 2012
(Expressed in Canadian Dollars) (Unaudited)

1. NATURE AND CONTINUANCE OF OPERATIONS

EMC Metals Corp. (the Company) is incorporated under the laws of the Province of British Columbia. The Company is focused on specialty metals exploration and production and has recently acquired various metallurgical technologies and licenses that it is utilizing to gain access to a number of specialty metals opportunities.

The Company s principal properties are located in the United States, Australia, and Norway. The Company s principal asset, the Springer Tungsten mine and mill, is currently not operating, and the Company is now working to restart mine operations because of a sustained tightening of supply and accompanying price increases in tungsten markets. To September 30, 2012, the Company has not commenced production and has generated no revenue. The Company s remaining properties are in the exploration or pre- exploration stage. As such, the Company is in the exploration stage and anticipates incurring significant expenditures prior to commencement of milling operations.

These condensed consolidated financial statements have been prepared on a going concern basis that contemplates the realization of assets and discharge of liabilities at their carrying values in the normal course of business for the foreseeable future. These financial statements do not reflect any adjustments that may be necessary if the Company is unable to continue as a going concern.

The Company currently earns no operating revenues and will require additional capital in order to restart its Springer tungsten mill and advance the Nyngan property. The Company s ability to continue as a going concern is uncertain and is dependent upon the generation of profits from mineral properties, obtaining additional financing or maintaining continued support from its shareholders and creditors. These are material uncertainties that raise substantial doubt about the Company s ability to continue as a going concern. The Company is currently working on securing additional financing to meet its needs and/or restructuring certain obligations; however there is no guarantee that these efforts will be successful. In the event that additional financial support is not received or operating profits are not generated, the carrying values of the Company s assets may be adversely affected. The inability to raise additional financing may affect the future assessment of the Company as a going concern.

2. BASIS OF PRESENTATION

Basis of presentation

The accompanying unaudited interim condensed consolidated financial statements have been prepared in accordance with the rules and regulations of the Securities and Exchange Commission (SEC). The interim condensed consolidated financial statements include the consolidated accounts of EMC Metals Corp. (the Company) and its wholly-owned subsidiaries with all significant intercompany transactions eliminated. In the opinion of management, all adjustments necessary for a fair statement of the consolidated financial position, results of operations and cash flows for the interim periods have been made. Certain information and footnote disclosures normally included in the consolidated financial statements prepared in accordance with generally accepted accounting principles have been condensed or omitted pursuant to such SEC rules and regulations. These interim condensed consolidated financial statements should be read in conjunction with the audited consolidated financial statements for the year ended December 31, 2011, in our Annual Report on Form 10-K filed with the SEC on February 14, 2012. Operating results for the three- month and nine-month periods ended September 30, 2012, are not necessarily indicative of the results for the year ending December 31, 2012.

Use of estimates

The preparation of consolidated financial statements in conformity with US Generally Accepted Accounting Principles (GAAP) requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Fair value of financial assets and liabilities

The Company measures the fair value of financial assets and liabilities based on US GAAP guidance which defines fair value, establishes a framework for measuring fair value, and expands disclosures about fair value measurements.

The Company classifies financial assets and liabilities as held-for-trading, available-for-sale, held-to-maturity, loans and receivables or other financial liabilities depending on their nature. Financial assets and financial liabilities are recognized at fair value on their initial recognition, except for those arising from certain related party transactions which are accounted for at the transferor s carrying amount or exchange amount.

Financial assets and liabilities classified as held-for-trading are measured at fair value, with gains and losses recognized in net income. Financial assets classified as held-to-maturity, loans and receivables, and financial liabilities other than those classified as held-for-trading are measured at amortized cost, using the effective interest method of amortization. Financial assets classified as available-for-sale are measured at fair value, with unrealized gains and losses being recognized as other comprehensive income until realized, or if an unrealized loss is considered other than temporary, the unrealized loss is recorded in income.

Financial instruments, including receivables, accounts payable and accrued liabilities, convertible debentures and promissory notes payable are carried at cost, which management believes approximates fair value due to the short term nature of these instruments. Investments in trading securities are classified as held for trading, with unrealized gains and losses being recognized in income.

EMC Metals Corp.
(An Exploration Stage Company)
NOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS
September 30, 2012
(Expressed in Canadian Dollars) (Unaudited)

2. BASIS OF PRESENTATION (cont d)

The following table presents information about the assets that are measured at fair value on a recurring basis as of September 30, 2012, and indicates the fair value hierarchy of the valuation techniques the Company utilized to determine such fair value. In general, fair values determined by Level 1 inputs utilize quoted prices (unadjusted) in active markets for identical assets. Fair values determined by Level 2 inputs utilize data points that are observable such as quoted prices, interest rates and yield curves. Fair values determined by Level 3 inputs are unobservable data points for the asset or liability, and included situations where there is little, if any, market activity for the asset:

Fair value of financial assets and liabilities

	September 30, 2012	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Assets:				
Cash and restricted cash	$ 707,903	$ 707,903	$	$
Investments in trading securities	$ 2,250	$ 2,250	$	$
Total	$ 710,153	$ 710,153	$	$

The fair values of cash, restricted cash and investments in trading securities are determined through market, observable and corroborated sources.

Recently Adopted and Recently Issued Accounting Standards

The Company reviewed significant newly issued accounting pronouncements and concluded that they are either not applicable to the Company s business or that no material effect is expected on the consolidated financial statements as a result of future adoption.

3. INVESTMENTS IN TRADING SECURITIES

At September 30, 2012, the Company held investments classified as trading securities, which consisted of various equity securities. All trading securities are carried at fair value. As of September 30, 2012, the fair value of trading securities was $2,250 (December 31, 2011 $2,250).

4. RESTRICTED CASH

The Company has a Bank of Montreal line of credit of up to $159,400 as a deposit on the Company s Vancouver office lease and is secured by a short-term investment of $159,400 bearing interest at prime less 2.05% maturing on May 8, 2014, contemporaneous with the date the office lease expires.

5. PROPERTY, PLANT AND EQUIPMENT

	September 30, 2012			December 31, 2011		
	Cost	Accumulated Amortization	Net Book Value	Cost	Accumulated Amortization	Net Book Value
Land and water rights	$ 4,673,958	$ -	$ 4,673,958	$ 4,673,958	$ -	$ 4,673,958
Plant and equipment	25,618,528	-	25,618,528	25,618,528	-	25,618,528
Cosgrave plant and equipment	375,763	359,672	16,091	375,763	303,308	72,455
Building	222,685	54,788	167,897	222,685	46,438	176,247
Automobiles	179,767	166,280	13,487	179,767	159,432	20,335
Computer equipment	368,073	364,406	3,667	364,697	363,888	809
Small tools and equipment	963,537	963,537	-	963,537	863,583	99,954
Office equipment	134,691	122,904	11,787	134,691	120,551	14,140
	$ 32,537,002	$ 2,031,587	$ 30,505,415	$ 32,533,626	$ 1,857,200	$ 30,676,426

Land and water rights are in respect of properties in Nevada. The plant and equipment is comprised of the Springer Plant and Mill in Nevada which is currently under care and maintenance.

EMC Metals Corp.
(An Exploration Stage Company)
NOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS
September 30, 2012
(Expressed in Canadian Dollars) (Unaudited)

5. PROPERTY, PLANT AND EQUIPMENT (cont d)

Impairment of land and water rights

During the year ended December 31, 2011, the Company reviewed the carrying value of its land and water rights for impairment and compared the carrying value to the estimated recoverable amount and wrote down its land and water rights by $3,100,000.

6. MINERAL INTERESTS

September 30, 2012		Other		Tungsten		Total
Acquisition costs						
Balance, December 31, 2011	$	482,260	$	197,451	$	679,711
Additions		66,611		-		66,611
Balance, September 30, 2012	$	548,871	$	197,451	$	746,322

December 31, 2011		Other		Tungsten		Total
Acquisition costs						
Balance, December 31, 2010	$	300,000	$	203,020	$	503,020
Additions		182,260		2,534		184,794
Sold		-		(8,103)		(8,103)
Balance, December 31, 2011	$	482,260	$	197,451	$	679,711

Title to mineral property interests involves certain inherent risks due to the difficulties of determining the validity of certain claims as well as the potential for problems arising from the frequently ambiguous conveyancing history characteristic of many mineral property interests. The Company has investigated title to all of its mineral property interests and, to the best of its knowledge, title to all of its properties is in good standing.

TUNGSTEN PROPERTY

Springer Property

On November 21, 2006, the Company acquired all outstanding and issued shares of Springer Mining Company (Springer). Included in the assets of Springer and allocated to property, plant and equipment (Note 5) are the Springer Mine and Mill located in Pershing County, Nevada.

Fostung Property

The Company held a 100% interest certain mineral claims known as the Fostung Property, Ontario. During the year ended December 31, 2011, the Company sold these claims for $500,000 and recorded a gain on the sale of $491,897.

SCANDIUM PROPERTIES

Nyngan, New South Wales Property

On February 5, 2010, the Company entered in to an earn-in agreement with Jervois Mining Limited (Jervois), whereby it would acquire a 50% interest in the Nyngan Scandium property located in New South Wales, Australia. In order for the Company to earn its 50% interest, which is subject to a 2% Net Smelter Royalty (NSR), the Company paid an initial cash sum of $300,000 to Jervois, and was additionally required to meet two additional work steps:

a) Incur exploration and metallurgical work expenditures of A$500,000 (CAD$466,000) within 180 business days of the conditions precedent being satisfied, or pay cash in lieu thereof. The Company received a six month extension to complete its exploration spending commitment, which it met in advance of the extended deadline in the period ended June 30 2011.

b) Deliver a feasibility study on the Nyngan Scandium Project to Jervois, and pay Jervois an additional cash payment of A$1,300,000 plus GST, by a deadline of February 28, 2012.

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6. MINERAL INTERESTS (cont d)

c) On February 24, 2012, the Company delivered to Jervois the A$1.43 million cash payment and an independent NI 43-101 report entitled "***Technical Report on the Feasibility of the Nyngan Scandium Project***" dated February 23, 2012 (the "Report"), which was compiled by SNC-Lavalin.

On February 27, 2012 EMC, received written notice from Jervois rejecting the Report for the stated reason that the Report does not fall within the definition of "Feasibility Study" provided in the Agreement. Jervois also returned the cash payment. The Company believes that it has fully met the conditions under the Agreement to earn its 50% joint venture interest in the Project and will take all lawful steps to secure its proprietary rights to the 50% joint venture interest.

d) On March 23, 2012, the Company announced that, following discussions with Jervois, the parties agreed to engage in further without prejudice communications in an attempt to resolve the dispute. Those discussions have now ceased and on June 22, 2012, the Company received notification that Jervois had filed a lawsuit against it in the Supreme Court of Victoria, Australia. The lawsuit contends that JV Agreement was automatically terminated because the Report delivered by EMC failed to meet the standards set out in the agreement and that EMC must remove legal claims placed on the Nyngan property by EMC that prevent Jervois from transferring property interests.

e) On 20 August 2012, EMC filed its formal defense and a counterclaim with the Supreme Court in Victoria, Australia. In its counterclaim, EMC has sought relief that includes:

a declaration that it satisfied the earn-in conditions set out in clause 6.2 of the Joint Venture Agreement,

a declaration that upon payment to Jervois of the sum of AUD1.3 million (plus GST), EMC is entitled to a 50% interest in the Joint Venture, and

damages to compensate EMC for the loss that it has suffered as a result of Jervois wrongfully treating the Joint Venture as terminated.

f) The Court directed that the proceeding first be referred to a court-approved mediation, assisted by an independent facilitator. The mediation took place on September 27, 2012. A settlement did not result. The Supreme Court proceedings will therefore continue, and EMC will vigorously prosecute its defense and counterclaim.

Tordal and Evje-Iveland properties, Norway

The Company has entered into an earn-in agreement with REE Mining AS (REE), whereby the Company has an option to earn up to a 100% interest in the Tordal and Evje-Iveland properties. To earn its interest, the Company must pay REE US$630,000, including an initial cash payment of US$130,000 (paid) and issue 1,000,000 common shares.

The Company is also required to incur US$250,000 of exploration work to be completed over 18 months from the date of closing in order to acquire its interest. The Company shall also issue 250,000 common shares upon releasing the second of two full feasibility studies on the two properties.

Fairfield property, Utah

The Company has entered into an earn-in agreement with Mineral Exploration Services LLC, whereby the Company has an option to earn a 100% interest in a patented mining claim and former scandium property known as The Little Green Monster near Fairfield, Utah.

The Company is required to pay US$380,000 over a 3 year period from the date of closing in order to acquire its interest. Mineral Exploration Services LLC maintains a production right of US$5 per ton of resource mined up to US$500,000.

Hogtuva property, Norway

The Company has entered into an earn-in agreement with REE Mining AS (REE), whereby the Company has an option to earn a 100% interest in three scandium and beryllium exploration sites in Norway. To earn 100% of the exploration rights, the Company must pay REE US$150,000 over 18 months, including an initial cash payment of US$50,000 (paid) and issue up to 200,000 common shares. In consideration for paying the Company US$200,000, REE may elect to accelerate the Company s option to earn a 100% interest in the properties.

7. RELATED PARTY TRANSACTIONS

A promissory note due to a director of the Company (principal balance of US$500,000) matured and was paid during June 2012. The promissory note was issued as part of the purchase of a subsidiary company during November 2009.

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8. DERIVATIVE LIABILITY (cont d)

The Company uses the Black-Scholes valuation model for calculation of the fair value of derivative liabilities. The Company uses volatility rates based upon the closing stock price of its common stock. The Company uses a risk-free interest rate which is the bank of Canada rate with a maturity that approximates the estimated expected life of a derivative. The Company uses the closing market price of the common stock on the date of issuance of a derivative or at the end of a quarter when a derivative is valued at fair value.

The volatility was 100%, the risk-free interest rate was 1%, a dividend rate of 0%, and the expected life was 0.17 respectively, during the year ending December 31, 2010.

During the year ended December 31, 2011, the warrants expired and the derivative liability was valued at $Nil resulting in a change in fair value of $228,741 realized through the statement of operations.

9. PROMISSORY NOTES PAYABLE

	September 30, 2012	December 31, 2011
Promissory note with a principal balance of US$500,000, bearing interest at prime per annum, maturing June 30, 2012 due to a director of the Company secured by the stock of a subsidiary company.	$ -	$ 529,752
Promissory note with a principal balance of US$ 3,750,000, bearing interest at 6% per annum, maturing July 3, 2013 and secured by land and water rights.		
During fiscal 2008 the Company entered into a promissory note for US$6,750,000 as consideration for the acquisition of land and water rights. The Company subsequently made principal payments of US$3,000,000 consisting of a cash payment of US$1,000,000 and 4,728,000 units of the Company equity valued at US$2,000,000. Each unit consisted of one common share and one-half share purchase warrant exercisable at CDN$0.75 each and exercisable for a period of two years.	3,688,875	3,813,750
During the period ended September 30, 2012 the Company completed a USD$3,000,000 loan financing (note 10) which included a USD $1,000,000 note payable bearing interest at 7% per annum maturing August 15, 2013. Presented is this principal balance less financing and costs which are amortized over the term of the debt using the effective interest method. This resulted in a carrying amount of $887,839 upon deducting a debt discount of $131,261 from the principal balance of $1,019,100 (USD $1,000,000). The note payable is secured by an interest in the assets of the Company s subsidiary, Springer Mining	887,839	-

Company.		
	4,576,714	4,343,502
Less: current portion	(4,576,714)	(529,752)
	$ Nil	$ 3,813,750

10. CONVERTIBLE DEBENTURE

On February 17, 2012, the Company completed a USD $3,000,000 loan financing consisting of a term loan of USD $1,000,000 (Note 9), a convertible debenture of USD $2,000,000 and warrants to acquire 3,000,000 common shares. The convertible debenture has a maturity date of August 15, 2013 and bears interest at 7% per annum. The lender may convert a maximum of USD $2,000,000 of the principal amount of the loan into 10,000,000 common shares of the Company. The loan is secured by an interest in the assets of the Company s subsidiary, Springer Mining Company. There was no beneficial conversion feature associated with the conversion option. The warrants are exercisable at $0.20 per share expiring February 15, 2014. A relative fair value of $217,267 was assigned to the warrants and recorded in additional paid in capital. The Company paid financing cost of $249,827 and also issued 750,000 purchase warrants exercisable at $0.20 per share expiring February 15, 2014. These warrants were valued at $58,716 and recorded in additional paid in capital. The financing costs were allocated between debt and the equity components. This resulted in a convertible debenture carrying amount of $1,775,679 upon deducting a debt discount of $262,521 from the principal balance of $2,038,200 (USD $2,000,000).

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11. CAPITAL STOCK AND ADDITIONAL PAID IN CAPITAL

On July 24, 2012, the Company issued 11,679,624 common shares at a value of $0.06 per common share for total proceeds of $701,753.

On December 3, 2010, the Company issued 18,929,740 common shares at a value of $0.19 per common share for total proceeds of $3,596,651. A total of $210,249 was received during fiscal 2011.

On November 25, 2010, the Company issued 6,100,000 units at a value of $0.10 per unit for total proceeds of $610,000. Each unit consisted of one common share and one-half of one share purchase warrant exercisable at $0.18 expiring on November 25, 2011. The warrants have a calculated total fair value of $142,358 using the Black-Scholes pricing model with a volatility of 142.52%, risk- free rate of 1.73%, expected life of 1 year, and a dividend rate of 0%.

On June 30, 2010, the Company issued 2,947,702 units at a value of $0.10 per unit for total proceeds of $294,770. Each unit consisted of one common share and one-half of one share purchase warrant exercisable at $0.18 until June 30, 2011. The warrants have a calculated total fair value of $35,638 using the Black-Scholes pricing model with a volatility of 123.84%, risk-free rate of 1.39%, expected life of 1 year, and a dividend rate of 0%.

On February 17, 2010, the Company issued 2,275,000 units at a value of $0.20 per unit for total proceeds of $455,000. Each unit consisted of one common share and one-half of one share purchase warrant exercisable at $0.25 until February 17, 2011. The warrants have a calculated total fair value of $78,113 using the Black-Scholes pricing model with a volatility of 131.19%, risk-free rate of 1.34%, expected life of 1 year, and a dividend rate of 0%. All of the warrants were exercised during fiscal 2011.

On November 17, 2009, the Company issued 13,000,000 units at a value of $0.08 per unit for total proceeds of $1,040,000. Each unit consisted of one common share and one-half of one share purchase warrant. Each full warrant entitled the holder to purchase an additional share at $0.15 per share until November 17, 2010.

On October 13, 2009, the Company issued 500,000 common shares at a value of $45,000 for the Fostung Tungsten project.

On August 27, 2009, the Company issued 1,500,000 units at a value of $0.10 per unit, pursuant to a non-brokered private placement for proceeds of $150,000. Each unit consisted of one common share and one-half of one share purchase warrant. Each full warrant entitled the holder to purchase an additional share at $0.15 per share until August 27, 2010.

On May 13, 2009, the Company issued 89,254 common shares at a value of $0.12 per share to a consultant for settlement of consulting fees for Fury Explorations Ltd. (Fury), a subsidiary of GPD, under the plan of Arrangement of spin-out. On April 21, 2009, the Company issued 51,859 common shares at a value of $0.10 per share for the Platte River property.

On January 21, 2009, the Company issued 66,784 common shares at a value of $0.20 per share for the Guijoso property for Fury.

On January 6, 2009, the Company issued 2,147,000 common shares at a value of US$250,000 for the Adelaide and Tuscarora projects for Golden Predator Mines US Inc., a wholly owned subsidiary of the Company prior to the spin-out.

On November 17, 2008, the Company issued 76,274 common shares in connection with the acquisition of the subsidiary, Great American Minerals Inc.

On October 18, 2008, the Company issued 4,728,000 units to Cosgrave for repayment of a promissory note at a value of US$2,000,000. Each unit consisted of one common share of the Company and one-half of one common share purchase warrant with a two year life and exercisable at $0.75.

In July 2008, the Company completed a private placement consisting of 2,500,000 common shares at $2.00 per share for proceeds of $5,000,000. In connection with this private placement the Company paid a finder s fee of $250,000.

In January 2008, the Company completed a private placement consisting of 2,822,500 units at $2.00 per unit for gross proceeds of $5,645,000. Included in the proceeds was $3,620,000 received in advance as of December 31, 2007. Each unit consisted of one common share and one half of one share purchase warrant. Each whole warrant entitled the holder to acquire one additional common share at $3.00 for a period of 12 months.

In November 2007, the Company completed private placements consisting of 17,577,500 units at $2.00 per unit for proceeds of $35,155,000. Each unit consisted of one common share and one half of one common share purchase warrant. Each whole warrant entitled the holder to acquire one additional common share at $3.00 for a period of 12 months following the closing of the placement.

In December 2007, the Company issued 5,390,000 common shares pursuant to the conversion of special warrants. The Company paid $1,016,074 and issued 100,000 common share valued at $100,000 as issuance costs and finder s fees. The Company also granted warrants to acquire 300,000 common shares exercisable at $1.50 expiring September 22, 2008. The warrants were valued at $99,000 with the Black-Scholes option pricing model using an expected volatility of 115%, life of one year, a risk free interest rate of 4% and a dividend yield of 0%.

In December 2006, the Company issued 5,000,000 common shares at $0.70 per common share for gross proceeds of $3,500,000.

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11. CAPITAL STOCK AND ADDITIONAL PAID IN CAPITAL (cont d)

Stock Options and Warrants

The Company established a stock option plan (the Plan) under which it is authorized to grant options to executive officers and directors, employees and consultants and the number of options granted under the Plan shall not exceed 15% of the shares outstanding. Under the Plan, the exercise period of the options may not exceed five years from the date of grant and vesting is determined by the Board of Directors.

Stock option and share purchase warrant transactions are summarized as follows:

	Warrants			Stock Options		
	Number		Weighted average exercise price	Number		Weighted average exercise price
Outstanding, December 31, 2010	23,792,485	$	1.82	11,473,750	$	0.18
Granted	-		-	1,470,000		0.28
Cancelled	(22,423,184)		1.97	(845,000)		0.22
Exercised	(1,369,301)		0.24	(250,000)		0.17
Outstanding, December 31, 2011	-		-	11,848,750		0.19
Granted	3,750,000		0.20	3,885,000		0.08
Cancelled	-		-	(2,187,500)		0.28
Exercised	-		-	-		-
Outstanding, September 30, 2012	3,750,000	$	0.20	13,546,250	$	0.14
Number currently exercisable	3,750,000	$	0.20	12,508,250	$	0.14

As at September 30, 2012, incentive stock options were outstanding as follows:

	Number of options		Exercise Price	Expiry Date
Options	90,000	$	0.390	January 18, 2013
	152,500		0.200	February 25, 2013
	65,000		2.000	February 25, 2013
	25,000		0.200	March 4, 2013
	120,000		0.310	April 27, 2013

55,000	0.200	May 13, 2013
645,000	0.200	October 31, 2013
537,500	0.300	January 23, 2014
50,000	0.300	February 26, 2014
1,020,000	0.160	June 16, 2014
225,000	0.120	August 27, 2014
200,000	0.105	December 16, 2014
626,250	0.250	January 4, 2015
4,800,000	0.100	November 5, 2015
250,000	0.315	May 4, 2016
500,000	0.250	May 16, 2016
300,000	0.155	September 15, 2016
2,335,000	0.080	April 24, 2017
1,550,000	0.070	August 8, 2017
13,546,250		

As at September 30, 2012, warrants were outstanding as follows:

Warrants	Number of Warrants		Exercise Price	Expiry Date
	3,750,000	$	0.20	February 15, 2014

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11. CAPITAL STOCK AND ADDITIONAL PAID IN CAPITAL (cont d)

Stock-based compensation

During the nine months ended September 30, 2012, the Company recognized stock-based compensation of $314,582 (September 30, 2011 - $178,642) in the statement of operations as a result of incentive stock options granted and vested in the current period. There were 3,885,000 stock options issued during the nine months ended September 30, 2012 (September 30, 2011 1,470,000).

The weighted average fair value of the options granted in the period was $0.08 (2011 - $0.31).

The fair value of all compensatory options and warrants granted is estimated on grant date using the Black-Scholes option pricing model. The weighted average assumptions used in calculating the fair values are as follows:

	2012	2011
Risk-free interest rate	1.56%	2.44%
Expected life	5 years	4.36 years
Volatility	137.03%	127.51%
Forfeiture rate	0.00%	0.00%
Dividend rate	0.00%	0.00%

12. TREASURY STOCK

	Number		Amount
Treasury shares, September 30, 2012	1,033,333	$	1,343,333
	1,033,333	$	1,343,333

Treasury shares comprise shares of the Company which cannot be sold without the prior approval of the TSX.

13. SEGMENTED INFORMATION

The Company s mineral properties are located in Norway, Australia, and the United States and its capital assets geographic information is as follows:

September 30,2012		Norway		Australia		United States		Total
Property, plant and equipment	$	-	$	-	$	30,505,415	$	30,505,415
Mineral interests		248,871		300,000		197,451		746,322
	$	248,871	$	300,000	$	30,702,866	$	31,251,737

December 31,2011		Norway		Australia		United States		Total
Property, plant and equipment	$	-	$	-	$	30,676,426	$	30,676,426
Mineral interests		182,260		300,000		197,451		679,711
	$	182,260	$	300,000	$	30,873,877	$	31,356,137

14. SUPPLEMENTAL DISCLOSURE WITH RESPECT TO CASH FLOWS

		2012		2011
Cash paid during the nine months ended September 30 for interest	$	310,957	$	129,422
Cash paid during the year for income taxes	$	-	$	-

Significant non-cash transactions for the nine month period ended September 30, 2012 include the Company granting 750,000 share purchase warrants at a value of $58,510 as finder s fees pursuant to the promissory note and convertible debenture financings. (Note 10).

There were no significant non cash transactions for the nine month period ended September 30, 2011.

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Item 2. Management s Discussion and Analysis of Financial Condition and Results of Operations

The following discussion of the operating results, corporate activities and financial condition of EMC Metals Corp. (hereinafter referred to as we , us , EMC , or the Company) and its subsidiaries provides an analysis of the operating financial results between June 30, 2012 and September 30, 2012 and a comparison of the material changes in our results of operations and financial condition between the three-month period ended September 30, 2011 and the three-month period ended September 30, 2012. This discussion should be read in conjunction with Management s Discussion and Analysis of Financial Condition and Results of Operations included in our Annual Report on Form 10-K for the year ended December 31, 2011.

The interim statements have been prepared in accordance with US Generally Accepted Accounting Principles (US GAAP) in accordance with the requirements of U.S. federal securities laws as applicable to the Company, and as permitted under applicable Canadian securities laws. The Company is a reporting company under applicable securities laws in Canada, and in July of 2011 also became a reporting issuer under U.S. federal laws. As a result of the Company s U.S. reporting status, the financial statements for the annual period ended December 2010 were restated in accordance with US GAAP and were filed with the SEC and Canadian securities regulators as part of our annual filing on Form 10K for the year ended December 31, 2011. The reporting currency used in our financial statements is the Canadian Dollar.

The information contained within this report is current as of November 14, 2012 unless otherwise noted. Additional information relevant to the Company s activities can be found on SEDAR at www.sedar.com.

Technical information in this MD&A has been reviewed by Willem Duyvesteyn, a Qualified Person as defined by Canadian National Instrument 43-101 (NI 43-101). Mr. Duyvesteyn is a director and consultant of EMC Metals.

Overview

EMC is a specialty metals and alloys company focusing on tungsten, molybdenum, scandium, vanadium, and other specialty metals. The Company intends to utilize its know-how and, in certain instances, patented technologies to maximize opportunities in these and other specialty metals.

The Company was formed in 2006, under the name Golden Predator Mines Inc. As part of a reorganization and spin-out of the Company s precious metals portfolio in March 2009, the Company changed its name to EMC Metals Corp. The Company currently trades on the Toronto Stock Exchange under the symbol EMC .

The Company s most advanced asset is the Springer Tungsten Mine, a fully constructed mine and mill asset in Nevada, USA. The Springer mine is currently not operating, and the Company is now working to restart mine operations following sustained tightening of supply and accompanying price increases in tungsten markets.

The Company is also asserting it has earned a 50% interest in the Nyngan scandium project in New South Wales, Australia although this interest is under dispute with our partner, Jervois Mining Limited. We also own the Carlin vanadium property in Nevada, USA and four other specialty metals properties: the Fairfield scandium property (Utah, USA), and Hogtuva beryllium property (central Norway) and two scandium plus specialty metals properties in southern Norway (Tordal and Evje-Iveland).

The Company acquired rights to metallurgical processing know-how as part of the acquisition of The Technology Store (TTS) during the prior year, which it is utilizing to gain access to a number of specialty metals opportunities.

The Company s focus during the quarter regarding Springer Mine included maintaining that asset on standby mode, and organizing, planning and pursuing mine and mill restart. A formal sale process on the Springer asset, initiated in September 2010, was terminated in March 2012, consistent with the restart strategy.

The Company advanced the Nyngan scandium project during the first quarter of 2012 through metallurgical work, process definition, and optimization work. During February, 2012, the Company completed and presented to our joint venture partner a NI 43-101 compliant report entitled Technical Report on the Feasibility of the Nyngan Scandium Project . On February 27, 2012, we received written notice, which we dispute, from our joint venture partner, Jervois Mining Ltd. (Jervois), that we had failed to meet certain Agreement earn-in milestones. On June 22, 2012 we received notification that Jervois had filed a lawsuit against us in the Supreme Court of Victoria, Australia. On August 22, 2012, we filed a formal defense and counterclaim in the Supreme Court seeking a declaration from Jervois that we have achieved the earn-in and seeking damages resulting from Jervois wrongfully treating the joint venture as terminated. We will take all lawful steps to secure our proprietary rights to the 50% joint venture interest and to pursue damages resulting from Jervois wrongful actions. Please see additional discussion in the following Principal Properties section.

Principal Properties Review

Springer Tungsten: The Springer Tungsten Mine (Springer), located in Pershing County in northwestern Nevada, was constructed by Utah International Inc. for the General Electric Company (GE), and was completed and commissioned in late 1981. The facility consists of a 1,000 ton per day (tpd) electro-pneumatic underground rail mine and a mill facility with crushing, grinding, flotation circuits and an APT (ammonium paratungstate) plant. Springer operated for less than a full year in 1982 before being put on care and maintenance by GE. Since acquiring Springer in 2006, EMC has spent approximately $38 million on the facility, specifically on rehabilitation, process improvements, resource exploration, process automation and a mill throughput expansion.

On September 20, 2012 we announced the results of a Preliminary Economic Assessment (PEA), including an updated resource estimate. The PEA was prepared for EMC by Associated Geosciences LTD. of Calgary, Alberta, Canada, and Practical Mining LLC. of Elko, Nevada, USA, both independent mining industry consultants. The PEA provides the first NI 43-101 compliant economic analysis on Springer, and was commissioned as part of EMC s planned restart of the Springer mining and milling operations.

Highlights from the PEA/Resource Update:

- Project restart is economic, feasible, and supported by current tungsten prices, based on a five year NI 43- 101 production resource;
- Five year mine life NPV of $22.8 million (8% discount, constant dollar, after tax);
- IRR of 47% on restart capital of $30 million;
- Indicated resource increase of 81,000 tons (+29.6 %) over previous resource estimate;
- Inferred resource increase of 837,600 tons (+76.3 %) over previous resource estimate;
- New resource added on western side of the property, no previous resource estimate; and
- Average annual tungsten (WO_3) production of 134,960 MTU (total 674,790 MTU).

The PEA updates the resource estimate published in a prior NI 43-101 Technical Report titled, *NI 43-101 Technical Report on Resources, EMC Metals Corp., Springer Facility- Sutton Beds, Nevada, USA* prepared by SRK Consulting of Lakewood, Colorado, filed on SEDAR in May, 2009. The PEA both increases the resource tonnage and also adds an economic estimate to the project in restart. The resource update also adds tonnage on the western side of the property, where no resource had previously been established, despite having been the site of historic tungsten production. The western resource has exciting potential for Springer, because the historic production records and current NI 43-101 drilling confirm superior tungsten grades, albeit at narrower vein widths.

The financial analysis of the mine restart, based on the current NI 43-101 resource, defines a 5 year mine life. The overall financial results, as presented in the PEA, are as follows:

Key Performance Measures Summary	Financial Result (US$)
Capital Cost (millions)*	$29.8
Average Annual Revenue (millions)	$43.2
Average Annual Operating Cost (millions)	$25.0
Average Operating Cost ($/MTU)	$186
Average Annual EBITDA (millions)	$17.8
Constant Dollar NPV (8%)	$22.8
Constant Dollar NPV (10%)	$20.1
Internal Rate of Return (IRR)	47%
WO_3 Concentrate Price Assumption/MTU (based on 80% of $400/MTU 24 month APT price)	$320
*NOTE: Includes working capital and contingency	

NOTE: A metric tonne unit (MTU) is the standard unit of measure for tungsten in trading markets. One MTU equals 22.04 pounds of contained WO_3, or 100th of a tonne of WO_3.

The mine plan in the PEA calls for the conversion of the existing Sutton Mine from a cut and fill operation, as designed by the prior operator, the General Electric Company (GE), to a modern longhole mining operation---more properly termed end-slicing. Sutton will be re-developed with ramps connecting drifts at various levels, modern rubber-tired equipment, and production and mine access utilizing both the existing shaft/hoist house and a new mine adit approaching mineralized beds from lower elevation ground to the south.

The mine plan also calls for a second independent mining operation at O Byrne, on the western side of the granite intrusion, utilizing the same mining techniques and equipment, with twin adit access. The hilly topography in the western beds lends itself to declined adit techniques that achieve sufficient depth to make for economic development.

The updated NI 43-101 resource provides for 4.8 years of mining from Sutton, and only 1.5 years from O Byrne, but at substantially higher grades.

This updated resource, included in the PEA, is as follows:

Springer Mine - Mineral Resource Statement of Resources					
Resource Category	Cut-Off Grade WO_3	Resource Tons	Grade WO_3	Contained Tungsten Units STU's	MTU's
Indicated Total (Sutton only)	0.20%	355,000	0.537%	190,635	172,990
Inferred (by location)					
Sutton Resource	0.20%	1,616,000	0.459%	741,744	673,089
George Resource	0.20%	143,950	0.423%	60,863	55,230
O'Byrne Resource	0.20%	173,670	0.862%	149,719	135,861
Inferred Total	0.20%	1,933,620	0.493%	952,326	864,180

Note: a short ton unit (STU) = 20 lbs. WO_3 : a metric tonne unit (MTU) = 22.04 lbs. WO_3
The effective date of each estimate of mineral resources above is August 20, 2012.

The existing mill at Springer has benefitted from considerable investment since the purchase from GE in 2006, although there is still important change and investment left to make prior to restart. The process flowsheet calls for the production of a 65% WO_3 scheelite concentrate, using modern gravity separation techniques and traditional flotation circuits. There are no plans to utilize the digester system or the APT (ammonium paratungstate) plant on site at this time.

Permitting and environmental matters are largely in place, although the Company is currently seeking a right of way from the US Bureau of Land Management for rights to re-install a tailings pipeline to an existing tailings pond, planned to be put into service to secure mill tailings not backfilled into the mine.

Project economics assume a two year trailing average constant dollar $400/MTU APT price, and derive a concentrate price from that benchmark tungsten price, which is publically quoted. All dollar amounts for costs are also considered to be constant dollar no escalation for inflation has been considered, and thus the 8% discount rate applied to cash flows to generate Net Present Values (NPV s) should also be considered a constant dollar rate.

Economics do not assume any economic recovery of molybdenum disulphide (MoS_2). There is no molybdenum resource established for the property which corresponds to the mineable tungsten resource, therefore no co-product credit in the PEA. There is capital included in the $30 million total restart estimate to separate (float) molybdenum, because it has historically been present in the resource and must be removed from concentrates to meet customer product specifications.

First concentrate production is expected in December 2013, or Q1 2014.

The NI 43-101compliant Technical Report, titled *Preliminary Economic Assessment on the Springer Tungsten Mine, Pershing County, Nevada, USA* , (the PEA), was filed on SEDAR October 2, 2012 and is available for public review at www.sedar.com.

The earlier NI 43-101 compliant resource technical report on the Springer property, independently prepared by Dr. Bart Stryhas of SRK Consulting Engineers and Scientists of Lakewood, Colorado, titled, NI 43-101 Technical Report on Resources Springer Facility- Sutton Beds, Nevada, USA, is dated May 15, 2009, was filed on SEDAR on May 26, 2009 and is also available for public review at www.sedar.com.

***Nyngan Scandium**:* In February of 2010, the Company entered into a joint venture agreement (the JV Agreement) with Jervois Mining Limited (Jervois) of Melbourne, Australia (ASX: JRV) to develop the Nyngan scandium property in New South Wales, Australia. The terms specified in the JV Agreement required EMC to earn a 50% position in the property and the JV through a two stage work program as follows:

- Stage I required EMC to spend a minimum of AUD$500,000 on project exploration and metallurgical test work by mid December 2010, and
- Stage II required the delivery of a feasibility study in the first quarter of 2012, along with a cash payment of AUD$1,300,000 (plus applicable GST)

The JV partners agreed to extend the stage I work timeframe into 2011 and those first stage requirements were met during the second quarter of 2011. On February 24, 2012, the Company delivered to Jervois a AUD$1,430,000 cash payment and an independent NI 43-101 report entitled "*Technical Report on the Feasibility of the Nyngan Scandium Project*" dated February 23, 2012 (the "Report"), which was compiled by SNC-Lavalin of Brisbane, Australia. On February 27, 2012 EMC received written notice from Jervois rejecting the Report as inadequate, claiming that the Report did not fall within the definition of "Feasibility Study" provided for in the JV Agreement. Jervois also subsequently returned the cash payment to EMC.

On March 23, 2012, the Company announced that, following discussions with Jervois, the parties agreed to engage in further without prejudice communications in an attempt to resolve the dispute. Those discussions have now ceased and on Jun