ecobalt

Essential Power Infinite Possibilities

MINE DEVELOPMENT



ECS.TSX

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PRELIMINARY ECONOMIC ASSESSMENT ("PEA)

The information in this Presentation related to the Idaho Cobalt Project was derived from the PEA. The Company cautions that this PEA is preliminary in nature, and is based on technical and economic assumptions which will be evaluated in further studies. The PEA is based on the current (as at March 10, 2015) ICP estimated resource model, which consists of material in both the measured/indicated and inferred classifications. Inferred mineral resources are considered too speculative geologically to have technical and economic considerations applied to them. The current basis of project information is not sufficient to convert the mineral resources to mineral resources that are not mineral reserves do not have demonstrated economic viability. Accordingly, there can be no certainty that the results estimated in the PEA will be realized.

FORWARD-LOOKING INFORMATION

This PEA presentation contains "forward-looking statements" within the meaning of applicable Canadian securities legislation. Statements in this PEA presentation pertaining to projected revenues and cash flows, quantity and grade of mineralized materials, estimated mineral prices and the continued expansion of the market for battery grade cobalt chemicals are forward-looking statements. These forward-looking statements are based on assumptions and address future events and conditions and are subject to known and unknown risks, uncertainties and other factors that may cause the actual results, performance or achievements of the Company to be materially different from those expressed or implied by such forward-looking statements. Many of the assumptions respecting projected revenue, cash flow and quantity of mineralized materials will be set out in detail in the PEA. Such projections are and will inevitably always be dependent on assumptions about future mineral prices and development costs which will be subject to fluctuation due to global and local economic conditions. This PEA presentation also contains forward-looking statements respecting the growing demand for battery grade cobalt chemicals, which demand may or may not continue to grow depending on consumer habits and technological developments. Further information regarding risks and uncertainties which may cause results to differ from those contained in forward-looking statements are included in filings by the Company with securities regulatory authorities and are available at www.sedar.com. Although the Company has attempted to identify important factors that could cause actual results to differ materially from those contained in forward-looking statements, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statem

The statements contained in this PEA presentation in regard to the Company that are not purely historical are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, including the Company's beliefs, expectations, hopes or intentions regarding the future. All forward-looking statements are made as of the date hereof and are based on information available to the Company as of such date. It is important to note that actual outcome and the actual results could differ from those in such forward-looking statements. Factors that could cause actual results to differ materially include risks and uncertainties such as technological, legislative, corporate, commodity price and marketplace changes.

Information in this Presentation discussing the outlook of the cobalt market was derived from independent cobalt publications by Darton Commodities Ltd., January, 2016 and CRU, October 2015, May and June 2016. The reader is also referred to the cautionary statement on page 1 regarding forward looking statements.

Note: All dollar amounts quoted in the Presentation are in USD unless otherwise noted.

E.R. (Rick) Honsinger, P. Geo., Senior Vice President of the Company is the Qualified Person under NI 43-101 who has reviewed and approved the technical content in this presentation.



"eCobalt Solutions is committed to providing a unique opportunity for consumers to acquire an ethically sourced, environmentally sound, transparent supply of battery grade cobalt salts, essential for the rapidly growing rechargeable battery and renewable energy sectors, produced safely and responsibly in the United States."



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MANAGEMENT

J. Paul Farquharson, B.B.A.

President & CEO

Marc Tran, CPA, CGA, B.Comm, B.A CFO & Corporate Secretary

E.R. (Rick) Honsinger, P.Geo., B.Sc. Senior Vice President

TREASURY (Aug 31, 2016)

Cash and Cash Equivalent - \$3.91 CAD Working Capital - \$3.63M CAD The Company has no long-term debt

DIRECTORS

Robert J. Quinn, B.S.B.A., J.D.

David Christie, P. Geo.

J. Paul Farquharson, B.B.A

Gregory Hahn, CPG, B.A., M.S.

Scott Hean, B.A., MBA, ICD.D

Rob Metka, BSc., Mech. Eng., M.Sx.

David Stone, Ph. D., MBA, P.E., P. Eng.

SHARE STRUCTURE (August 2016)

Shares Issued ~106.0 Million Fully Diluted ~120.4 Million

Why eCobalt?

ESSENTIAL

49% Batteries
18% Super Alloy



Renewable Source Energy 75% of batteries use Cobalt



100% Reclaimable
Sustainable Project
Clean Water Discharge

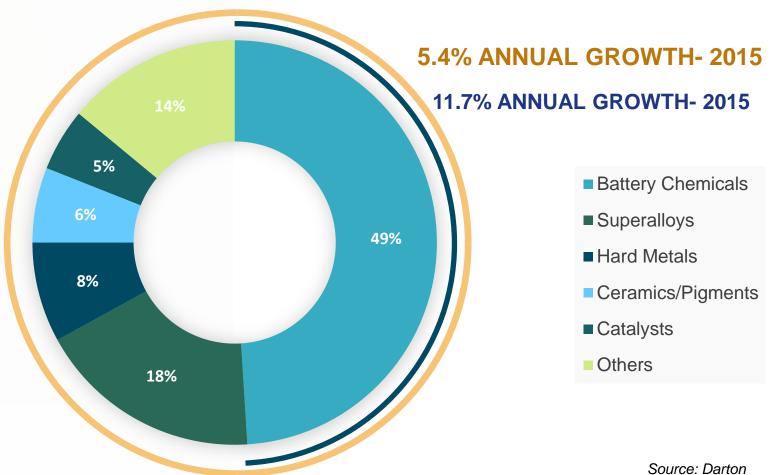


Responsibly Mined in the USA
Transparent Supply Chain



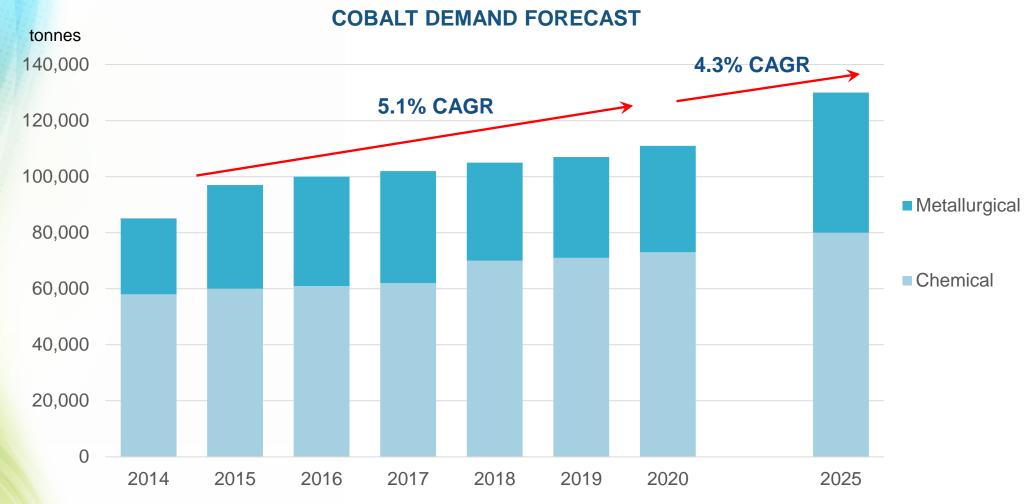
Essential: Cobalt Applications

Cobalt Applications - 2015

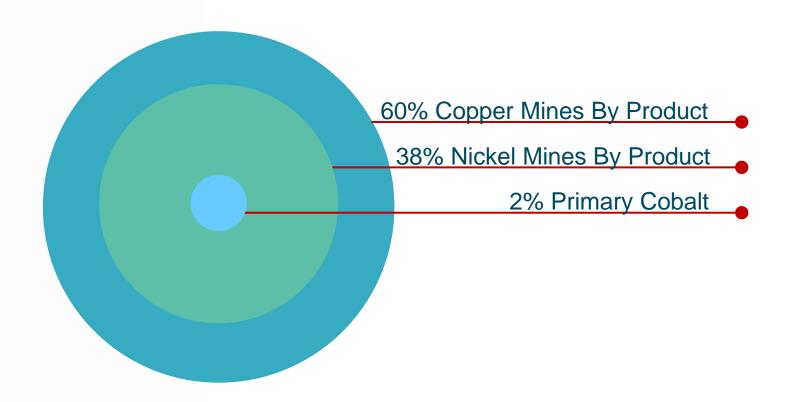




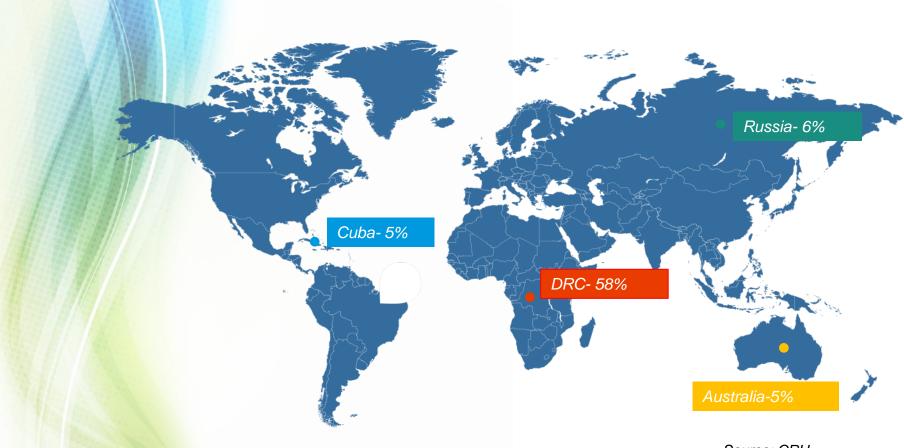
Essential: Demand Growth



Essential: Cobalt Sources



Essential: 2015 Global Production

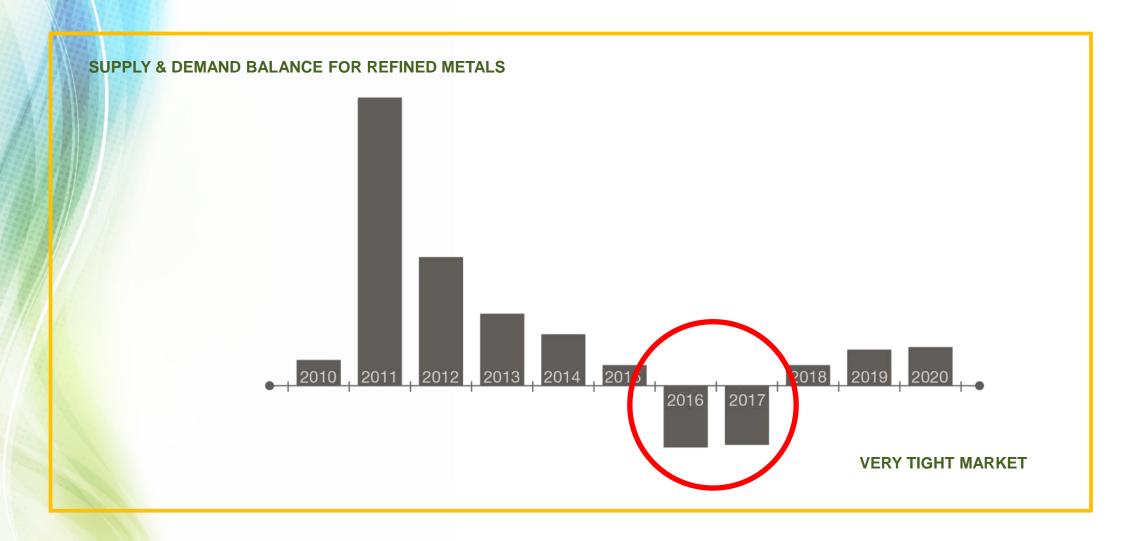


Source: CRU

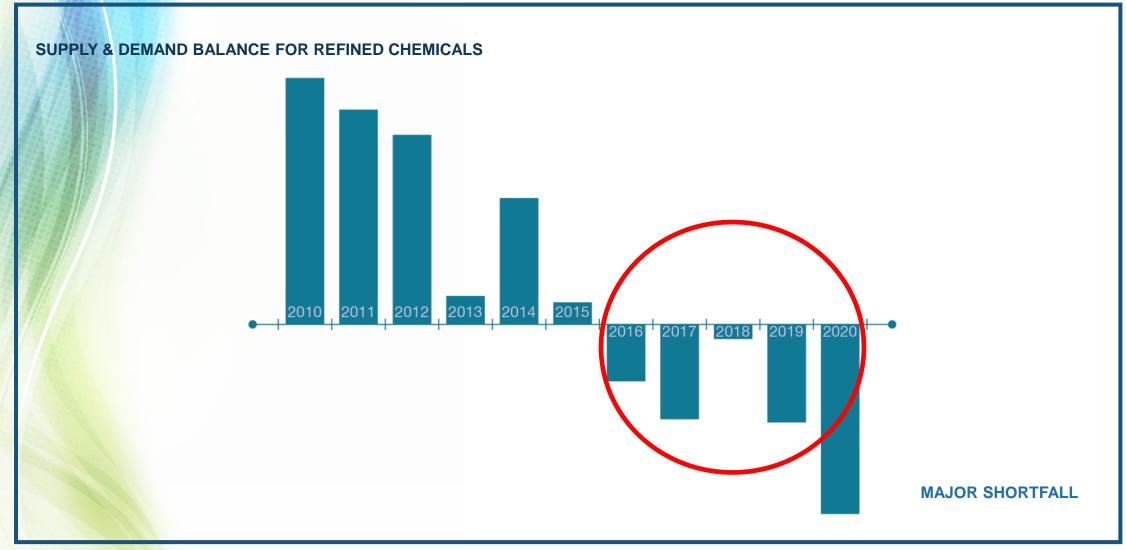
DRC	58.0%		
Russia	5.6%		
Australia	5.1%		
Cuba	5.1%		
Philippines	3.8%		
Madagascar	3.6%		
Zambia	2.9%		
Canada	2.8%		
New Caledonia	2.5%		
Morocco	2.4%		
PNG	1.8%		
Brazil	1.3%		
Other Countries	5.1%		



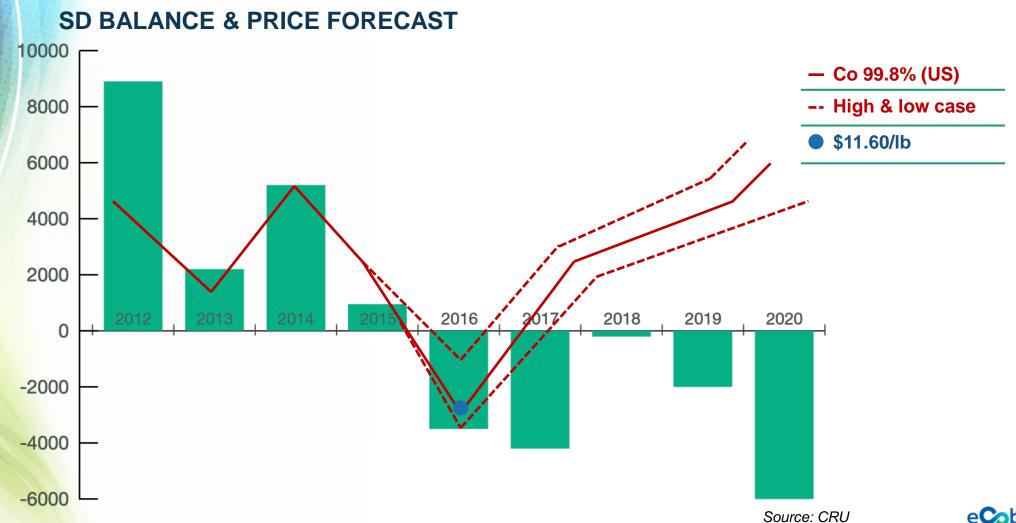
Essential: Cobalt Supply Shortfall



Essential: Cobalt Supply Shortfall



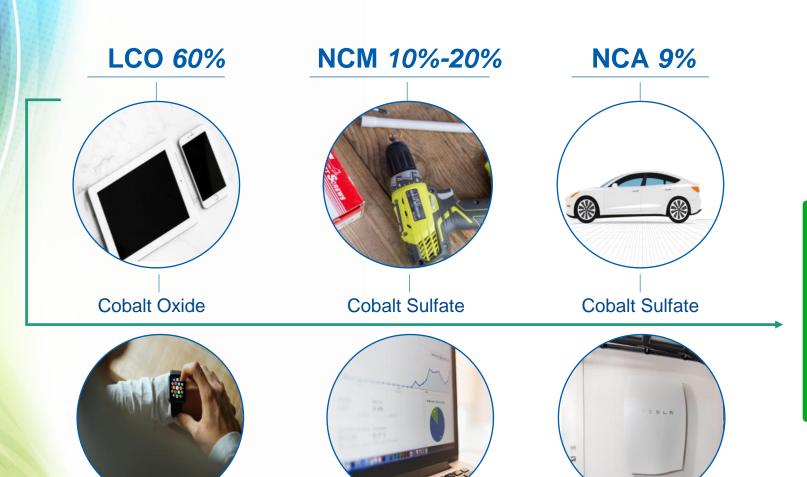
Essential: Cobalt SD & Price



Energy: Cobalt & Batteries

COBALT CONTAINED IN CATHODES

Lithium Cobalt Oxide



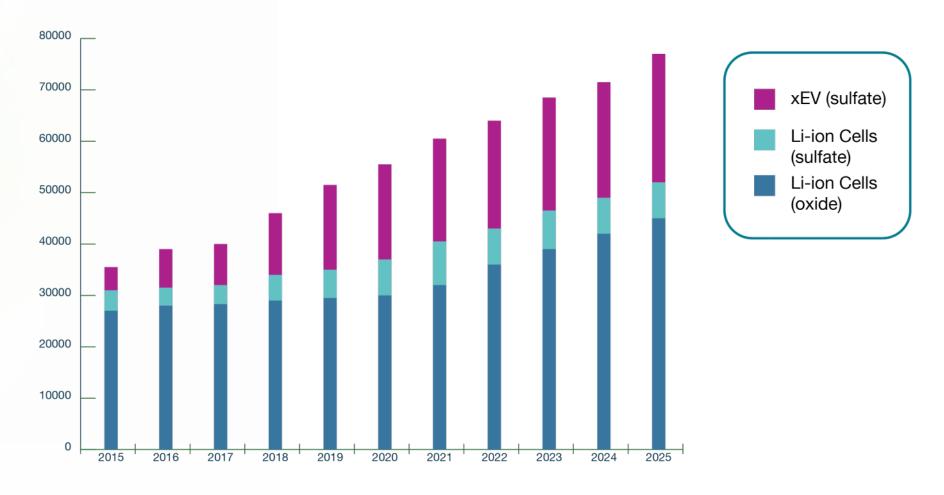
75% of
Lithium
Ion
Batteries
Market
Share in
2015

Source: Avicenne, CRU



Energy: Battery Market Growth

FORECAST- COBALT DEMAND FROM LITHIUM ION BATTERIES MARKET



Environmental: Benefits of the Idaho Cobalt Project (ICP)

DRY STACKED TAILINGS

SUSTAINABLE

100% RECLAIMABLE

ENVIRONMENTALLY RESPONSIBLE



SMALL SURFACE DISTURBANCE

Minimal Impact

Conservation Action Program

"Greenest Mine in America" NYT



Ethical: Responsibly Sourced

- LOW CARBON FOOTPRINT
- SAFELY & RESPONSIBLY MINED IN THE USA
- CLEAN WATER DISCHARGE
- LOW GEOPOLITICAL RISK
- LOCAL MARKETS
- ENVIRONMENTALLY SOUND
- TRANSPARENT SUPPLY CHAIN



Idaho Cobalt Project (ICP)



PROPOSED COBALT PRODUCTION FACILITY (CFP)



- ENVIRONMENTAL PERMITS IN HAND
- \$110M IN EXPENDITURES TO DATE
- 12.5 YEARS LOM



ICP Resource Summary

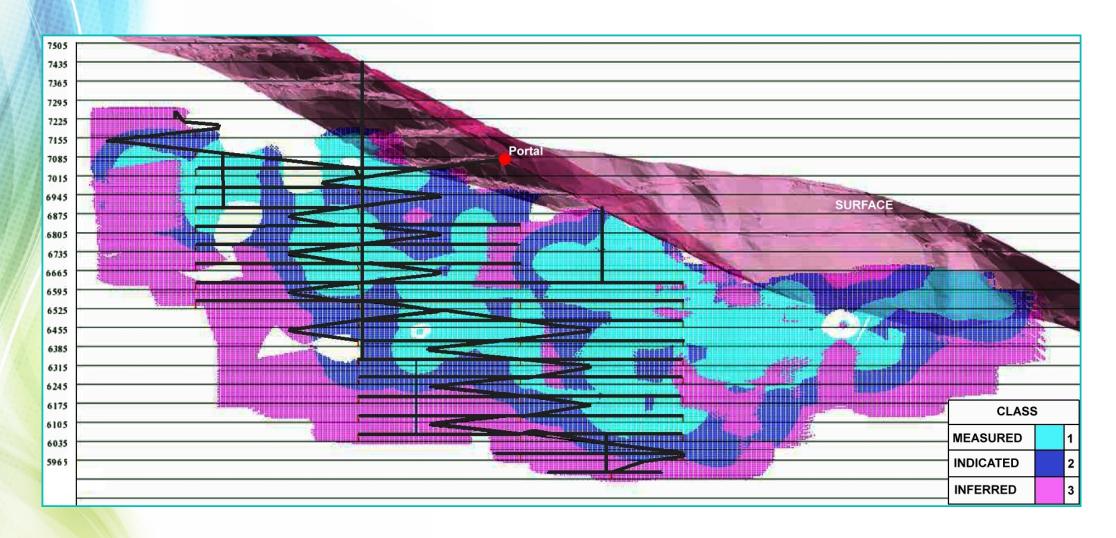
MINERALIZATION OPEN AT DEPTH AND ALONG STRIKE

CLASS	cut-off (% Co)*	tons	%Co	lbs. Co	lbs. Cu	oz. Au
MEASURED	0.2	2,266,000	0.54	24,587,000	32,123,000	35,600
INDICATED	0.2	1,214,000	0.58	13,996,000	19,839,000	22,100
M & I	0.2	3,480,000	0.55	38,583,000	51,962,000	57,700
INFERRED	0.2	1,675,000	0.47	15,648,000	23,753,000	21,900

^{* %}Co cut-off grade of 0.25% was used for the mine model for the March 10, 2015 PEA.



ICP Workings & Resource





ICP: CAPEX

TOTAL: \$147 MILLION

Mine & Mill

CAPEX: \$74 million

Capacity: 800t/day

12.5 Year Mine Life

21 Months to Full Production

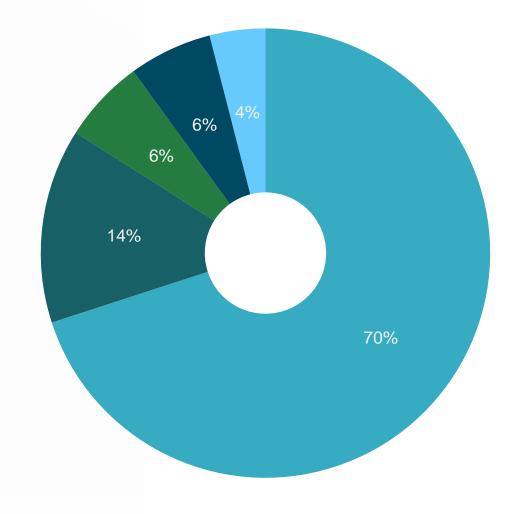
Proposed CPF

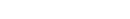
CAPEX: \$73 million

Capacity: 36t/day



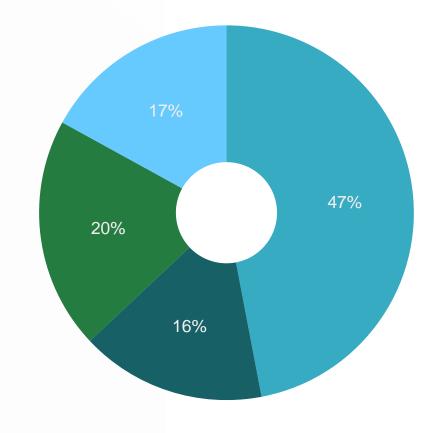
ICP: Revenue





e**Co**balt

ICP: Operating Costs



Total Cash Cost Net By-Product Credits: \$4.94/lb Cobalt Sulfate Heptahydrate

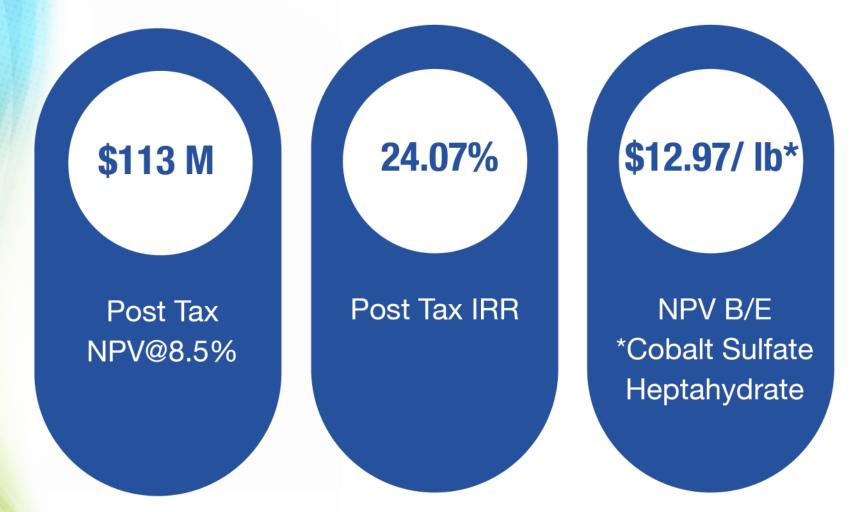
- Mining- \$63.50/ton or \$6.22/lb*
- CPF- \$2.59/lb*

- Mill- \$21.93/ton or \$2.14/lb*
- General & Admin- \$2.30/lb*

* Ib of Cobalt Sulfate Heptahydrate



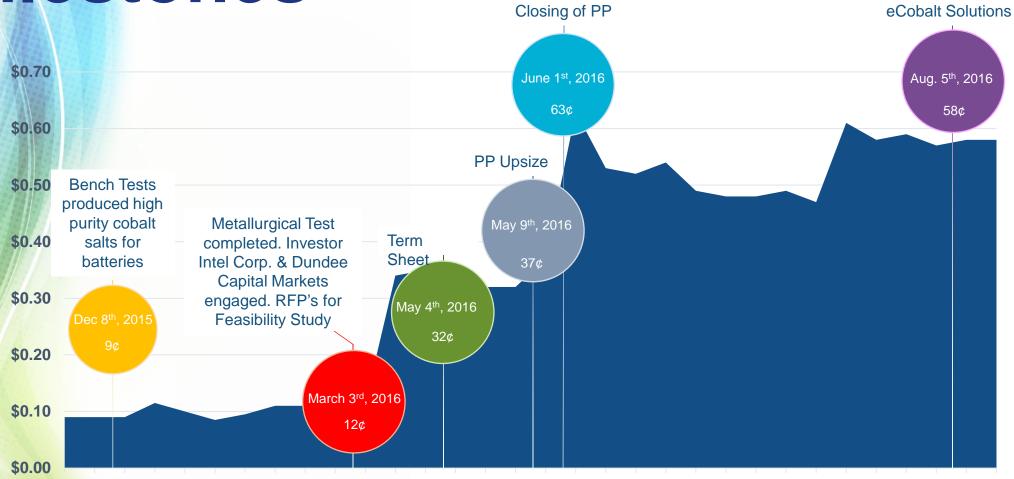
ICP: Economics



*Equivalent to \$10.29/lb of 99.3% Co (Cobalt Sulfate Heptahydrate has a premium over 99.3% and 99.8% Co). Currently Co 99.3% is \$12.61/lb on the LME.



Milestones





Idaho Cobalt Project (ICP) Time Line

21 Months from CAPEX Financing: Full Production

8 Months from Initial Production: Ramp up to Full Production

4 Months from Initial Production: Ramp up to 400 tpd

13 Months from Capex Financing: Initial Production

Completion of CAPEX Financing

Q1/Q2 2017: CAPEX Financing

Q1 2017: FS Completion

June 2016: Commissioned Feasibility Study



Summary:

Unique

Advanced and primary cobalt project located in the United States

Offtake Potential

Long-term Offtake Partners Sought Security of supply makes offtakes with eCobalt appealing Potential source of project Financing



Small Footprint

Environmental Permits in hand 135 Acres Dry Stack Tailings Clean Water Discharge

Growing Demand

Fueled primarily by expanding rechargeable battery use

Resource Upside

Upside as resource open at depth Potential to extend 12.5 year PEA mine life





Essential Power Infinite Possibilities