



# Caution Regarding Forward-Looking Statements

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agreement with a party and advance and finance the project; changes in general economic conditions and conditions in the financial markets; the ability to find and source off-take agreements; changes in demand and prices for potash; litigation, legislative, environmental and other judicial, regulatory, political and competitive developments; technological and operational difficulties encountered in connection with Gensource' activities; and other matters discussed in this presentation and in filings made with securities regulators. This list is not exhaustive of the factors that may affect any of Gensource's forward-looking statements. These and other factors should be considered carefully, and readers should not place undue reliance on Gensource's forward-looking statements. Gensource does not undertake to update any forward-looking statement that may be made from time to time by Gensource or on its behalf, except in accordance with applicable securities laws.

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# Potash with purpose starts with Gensource



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#### **OUR VISION**

Achieve food security by supplying the world with a key macronutrient at an affordable cost within an open, transparent, and sustainable environment.



#### **OUR MISSION**

Create a series of independent, scalable, and environmentally sustainable potash production facilities in Saskatchewan and the world.



#### **OUR VALUES**

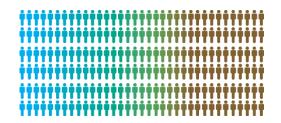
The core priorities for Gensource are integrity, openness and forthrightness, innovation and social responsibility.

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# The world needs potash. The planet needs Gensource

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#### 10 BILLION

Estimated 2050 world population making food security an ongoing challenge.



#### **POTASH**

Necessary component in fertilizer that helps farmers produce bigger and healthier crop yields.



#### **SUSTAINABLE**

Unlike traditional potash companies, Gensource utilizes innovative, sustainable production methods.



# Helping support UN's Sustainable Development Goals

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Our potash is used in fertilizer to help farmers produce bigger and healthier crop yields to achieve food security for a growing population.



Our innovative smallscale facilities are sustainable and welcomed by local communities as they offer long-term employment.



Vertically integrated business operations ensure sustainable consumption and production patterns with a transparent supply chain.



We're reducing our carbon footprint and greenhouse gas emissions with innovative, efficient, integrated energy systems and a significantly reduced environmental impact.



We partner with likeminded people who share our values for sustainability, inclusivity, collaboration and transparency.



# ESG? We call it business as usual.

Conventional potash mining methods are not capital efficient and take a toll on both the environment and local communities. There's also much room for improvement in the current product distribution methods. We believe that fair and sustainable practices, and transparent supply chains benefit everyone. That's why we do things a little differently. And ESG factors have always been part of our DNA.





### ESG is in our DNA



#### **ENVIRONMENTAL**

Smaller physical footprint for less impact on air, water, and land with no salt tailings or brine ponds.



#### **SOCIAL**

Collaboration with communities to create long-term employment with high safety standards.



#### **GOVERNANCE**

Accurate and ethical in all business practices to create transparency for partners and shareholders.



# Seeking Organic Potash Certification

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Organic certification opens premium markets that demand environmentally friendly inputs



Organic Agriculture combines tradition, innovation and science to benefit the shared environment and promote fair relationships and a good quality of life for all involved.



- IFOAM



#### **OPPORTUNITY**

The organic farming market is growing fast as the world demands increased sustainable farming practices



#### **SUSTAINABLE**

Gensource will offer solutions for producers who want to farm organically, conventionally or are in transition



# HIGH-VALUE PRODUCT STRATEGY

Product to be distributed through offtake agreement with Helm AG through US markets where organic certification carries a premium



### Our Path to Net Zero

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#### Our goal is to create no greenhouse gas emissions from our business



#### **OFF-GRID**

Self-generating, natural gas power produces half as much carbon dioxide and an even smaller fraction of other air emissions generated by coal



#### **CARBON SMART TECHNOLOGIES**

Work with leading companies in supporting the addition of carbon in agricultural feed



#### LOW WATER USAGE

Up to 75% less water usage per tonne than conventional solution mining methods, and the ability to use brackish water



#### TREE PLANTING

Investment in nature-based solutions and offsets



#### NO HUB & SPOKE

Distribution model ensures customers receive products direct from the mine gate, minimizing transport-related emissions



#### TRANSPARENT APPROACH

Report on our progress and performance with stakeholders



Technical innovation allows Gensource to create a series of independent, scalable and environmentally sustainable potash production facilities in Saskatchewan and other jurisdictions in the world.

Producing 250,000 – 300,000 t/year (1/10th the size of a traditional project), our projects:

- Use less surface land
- Extract the potash mineral resource more efficiently
- Place a smaller demand on shared utilities
- Have less impact on local infrastructure
- Complement rural communities
- Provide long-term employment





# A closed loop method with little environmental impact

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Our selective extraction method injects a hot salt (NaCl) brine into horizontal caverns in the ore body, which selectively dissolves potash (KCl) leaving salt in place. The KCI-rich brine is then processed (KCI 'drops out' through cooling crystallization) and the NaCl brine is reheated and re-circulated back to the cavern to repeat the process. This clean approach has less impact on air, water, and land.



#### ΔIR

Power is self generated at site using natural gas, not coal. By not using grid power, a Gensource module will avoid up to 24,500 tonnes/year CO2e of emissions.



#### **WATER**

A Gensource module will use up to 75% less water per tonne of potash than conventional solution mining methods and the ability to use a brackish water source reduces fresh water usage even further.



#### LAND

With no salt tailings, no brine ponds and its small size, a Gensource module is light on impact – to the point that regulators did not require a full EIA for the project.





# Vertical integration? We call it common sense

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We believe that vertical integration with the end-user, the agricultural producer, allows us to achieve optimal efficiency and value for all stakeholders.

In order to facilitate a greater quantity of affordable potash arriving on the farms where it's needed, we're working with creative, forward-looking and proactive agriculture decision makers. Doing so allows them to secure future crop inputs they know they will need.

Working directly and transparently with our partner, Helm, from the start of the project. Helm Fertilizers will purchase 100% of the production from the Tugaske potash project and market directly to its customers using its own infrastructure.







# Unprecedented environmental approval

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#### 'NOT A DEVELOPMENT'

The Saskatchewan Ministry of Environment designated Tugaske project as 'not a development' because it doesn't trigger Environmental Impact Assessment due to the project's attributes.

#### HISTORY IN THE MAKING

1<sup>st</sup> potash project in Saskatchewan's history to receive this type of determination.

#### IN THE NEWS

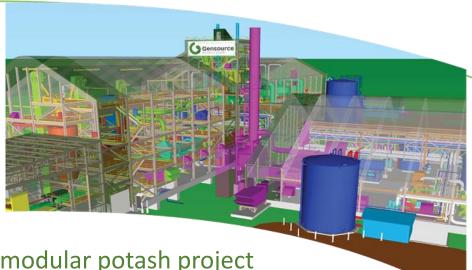
Article: The Little Potash Mine That
Could Clear A Key Environmental
Hurdle (CBC News)

Article: Gensource Given Approval To
Skip Environmental Assessment
(Swift Current Online)

Article: Gensource Potash Achieves
Environmental Assessment
Milestone (APEGS)



# Tugaske Project Overview





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250,000 - 300,000 metric tonne per annum modular potash project using the proven selective solution extraction method

#### Low capital, low operating costs

 Combining tested extraction methods with patented processing techniques results in lower overall costs

#### Environmentally and socially responsible

- Leaves no tailings on surface (eliminating decommissioning risk)
- Requires no brine ponds (eliminating environmental concerns)
- Small physical footprint (eases public concern/social risk)

#### Key government approvals are in place

 Saskatchewan Ministry of the Environment determined no Environmental Impact Assessment (EIA) was required due the Project's negligible environmental impact

# Project's Bankable Feasibility Study completed in 2017 and NI 43-101 Resource updated in 2018

- Technical and economic robustness of the project confirmed
- 40-year mine life on Proven and Probable Reserves (10Mt)
- Abundant Resource (286 Mt)

#### Critical infrastructure is in place

- Close proximity to both highway & rail access, natural gas, power, and water
- Ministry of Environment designated Tugaske project as 'not a development' because it doesn't trigger the need for an Environmental Impact Assessment.

# Potash-Rich Location

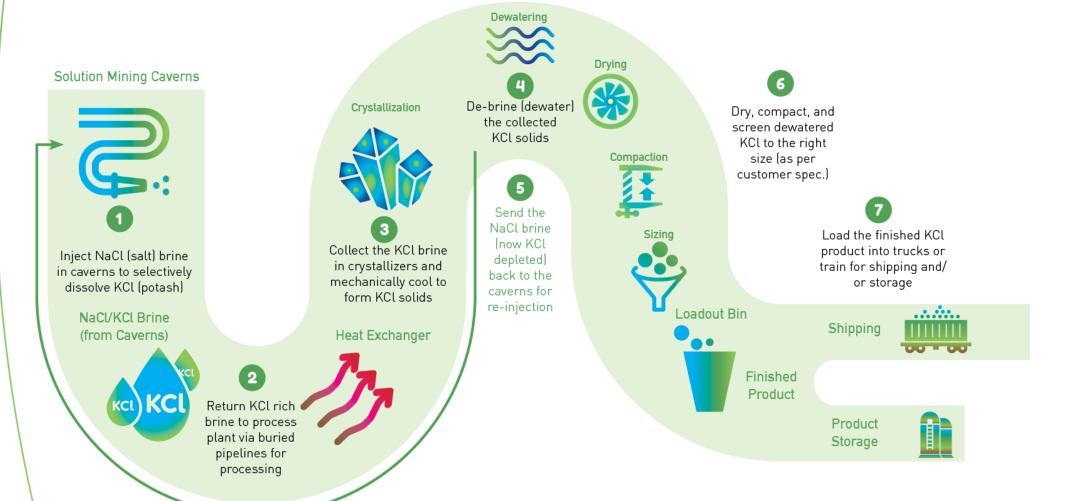
- Located in Gensource's Vanguard Area in south-central Saskatchewan between Saskatoon and Regina
- Over 70,000 acres of Crown
   Mineral Lands available for mining
   (Saskatchewan Government Potash
   Leases KL244 and KL245)
- Massive potash deposit, readily available to support multiple modules of production
- Cultivated, flat, agricultural land, with no environmental sensitivities
- Tugaske is the first project in Gensource's Vanguard area.





A Clean, Efficient Extraction and Processing Method

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# Partnering With Saskatchewan Potash Experts

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# Engineering & Design: Engcomp Engineering & Computing Professionals Inc. (Engcomp)

- Engcomp is a 100% Saskatchewan-owned and operated engineering firm based in Saskatoon, Saskatchewan
- The company was formed in 2004 and caters to Canada's heavy industrial market, providing engineering services to the potash, uranium, oil and gas, pulp and paper, chemical processing, and food processing industries
- Engcomp is ISO 9001\_2015 certified and driven to provide clients with innovative solutions to meet complex project needs, offering mining, mechanical, structural, electrical, and process engineering disciplines.



#### Other Experience:

- Nutrien
- Mosaic
- K+9
- BHF
- Potash One
- Geoalcali
- Kore Potash

#### Construction: South East Construction (SECON)

- South East Construction is part of the SECON Group, which is a multidiscipline construction organization consisting of 4 operating companies, with offices in Saskatoon, Warman, Esterhazy and Winnipeg
- Started in 1986 in Esterhazy, Saskatchewan the "Potash capital of the world", SECON has grown to over 200 employees in the province
- Successfully completed approximately \$220 Million dollars in construction projects in the past 3 years
- SECON is also one of the portfolio companies of Mosaic Capital Corporation (not related to Mosaic Potash), an investment company (\$350m AUM) that acquires and grows a diversified portfolio of established mid-sized businesses across a range of industries and geographies



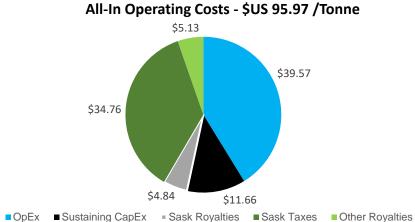
#### Other Experience:

- BHP
- Mosaic
- Nutrien
- K+S



OpEx, CapEx, Sources & Uses





<sup>\*</sup>Technical Report Summarizing the Feasibility Study for the Vanguard One Potash Project, Saskatchewan 2017

DSCR Information**		
Senior Loan Target DSCR	1.9-2.0	
Full Production Average DSCR	1.94	
Est. Minimum DSCR	1.85	
Est. Maximum DSCR	2.01	
Average Life	4.5 Years	

<sup>\*\*</sup> Base case management assumptions: Construction + 8.5 years tenure, OECD Export Credit Rules, \$200M US Senior Debt

Sources	'000 US\$	%
Project Equity	\$135,000	40%
Paid in Capital	\$30,000	
Cash Required	105,000	
<b>Project Finance Debt</b>	\$200,000	60%
***ECA Covered	\$100,000	
***Uncovered	\$100,000	
<b>Grand Total</b>	<u>\$335,000</u>	100%

Uses	'000 US\$	%
Mining	\$18,260	5%
Wellfield	\$13,311	4%
Process Plant	\$57,949	17%
Storage & Loadout	\$10,282	3%
Site Infrastructure	\$19,972	6%
Offsites	\$5,290	2%
Non-Process Facilities	\$22,731	7%
Project Indirects	\$60,598	18%
Contingency	\$38,889	12%
Closing Expenses	\$27,780	8%
Interest and Balances	\$29,938	9%
Paid-In Capital	\$30,000	9%
<b>Grand Total</b>	\$335,000	100%

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<sup>\*\*\*</sup> Senior debt is proposed to be divided into two tranches: Tranche A – senior debt with Export Credit Insurance provided by Euler Hermes Aktiengesellschaft and Tranche B – which will not covered under Export Credit Insurance



Conventional Potash Mining Vs. The Gensource Way

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#### **Conventional Underground Mining**

 Involves sinking shafts, and using people, equipment, and materials underground to access and remove raw potash ore (sylvinite) and hoist it to surface for processing. Leaves salt tailings at surface and surface brine ponds.









#### **Solution Mining**

 Involves pumping a fluid into the underground ore body, where it dissolves the halite and sylvite in the sylvinite ore body. The resulting brine is then pumped to surface to extract the potash. Leaves salt tailings at surface and surface brine ponds.













#### Selective Extraction Method

 Involves injecting a hot NcCl brine into horizontal caverns in the ore body, where it selectively dissolves potash leaving salt in place. The brine is processed to remove potash, then reheated to repeat the process in a clean, closed loop.





Off-Take Agreement

of planned production is already sold

#### **Key Points:**

- Take or pay provisions
- Initial 10-year term
- Term exceeds financing tenor
- Option to renew
- Right of first refusal for the offtaker to purchase any additional tonnes produced at the project
- Right of first refusal to purchase the project should Gensource elect to sell any portion of it
- Realized prices and costs will be transparent to both parties, with provision for audit

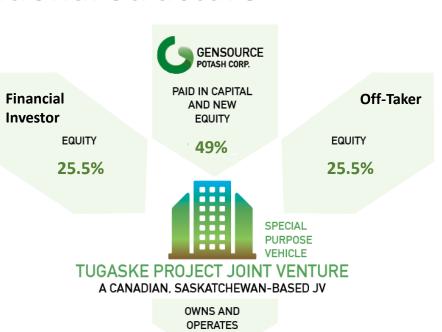


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Joint Venture Organizational Structure







SENIOR DEBT Tugaske Potash Project POTASH OFFTAKE



RETAIL SALES



Euler Hermes is a credit insurance company that offers a wide range of bonding, guarantees and collections services for the management of business-to-business trade receivables. A subsidiary of Allianz SE, Euler Hermes is rated AA by Standard & Poor's.

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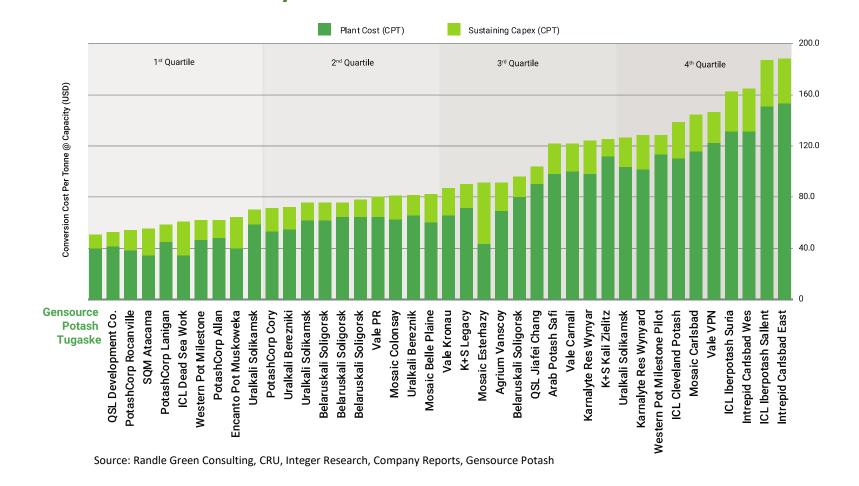
<sup>\*</sup> Current negotiated structure subject to final financing package

<sup>\*\*</sup>KfW IPEX-Bank is an affiliate of KfW Bank Group. In its responsibility of international project and export finance within the larger KfW Bank Group it is in charge for over EUR 66 billion in assets, completed EUR 17.7 billion in new financings in 2018 and is AA+/Aa2 rated. Société Générale is a French multinational investment bank and financial services company headquartered in Paris, France.



Gensource shows the capacity to become one of the lowest cost producers in the industry

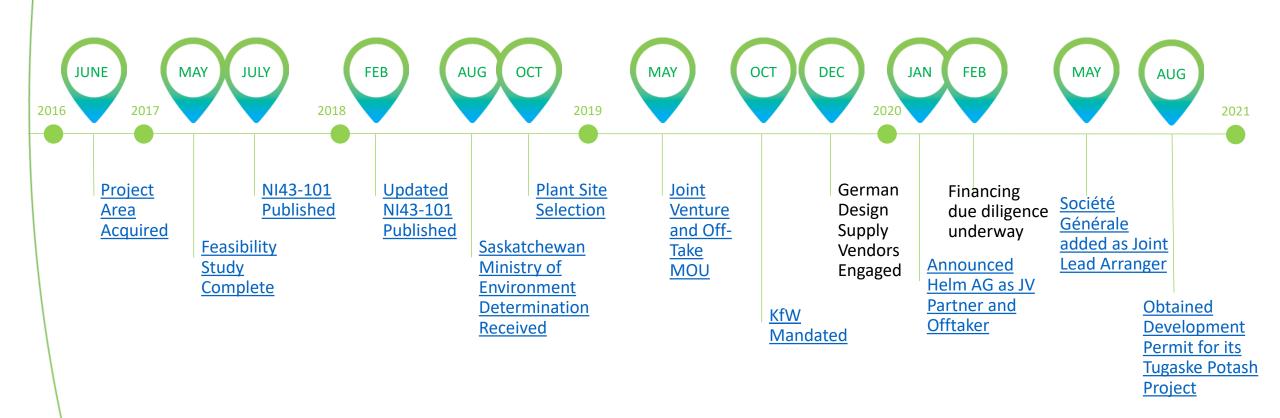
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# Tugaske Project Milestones





# Management Team

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The core team in Gensource is the same team that led Potash One Inc. from 2007 to develop the Legacy Project in Saskatchewan. Potash One was subsequently acquired by K+S AG in 2011, who revised the project technical details and constructed it. Now operating as the Bethune Mine, the facility is ramping up towards its 2.86 Mt/a capacity.



Mike Ferguson, P. Eng. President & CEO

Led the world-class team that developed Potash One's Legacy Project, the only Saskatchewan greenfield potash development in 40 yrs to proceed to construction. Sold to K+S for \$434 million.



Alton Anderson, CPA, CA CFO

Seasoned finance executive with over 30 years' experience in the fertilizer industry including 22 years at PotashCorp and Nutrien.



Rob Theoret, B.Comm., CIM VP, Corporate Finance & Business Development

20 years capital market experience. Co-founder of NEXXT Potash (predecessor to Gensource Potash) and successfully financed several junior development companies.



Deborah Morsky VP, Corp. Services

Deborah brings 25 plus years of family business leadership and experience as a professional in corporate governance and financial restructuring.



Paul Neufeld, P. Eng., MBA, PMP Project Manager

Experienced project manager in the mining and minerals industry with specific experience managing potash related projects in Saskatchewan.



# Technical Experts Ensuring Project Success Through Specialized Knowledge & Solutions

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#### Oliver Mehl – Strategic Consultant

Oliver has over 38 years as a marketing and upstream executive in the fertilizer business. He built and managed a company from being a minor player into a top 5 global leader of the fertilizer sector. In addition, Oliver was the divisional head of a major fertilizer distributor and producer for 29 years. He also worked on fertilizer project development and the design of marketing concepts for senior financing approvals.

#### Kevin Ryan, P.Eng – Solution Mining

Served as Corporate Director of Technical Services for Intrepid Potash Corporation. During his 11 years with Intrepid, was responsible for planning and permitting the New Mexico HB solution mine and solar evaporation project and was a technical team lead for solution mine cavern development in Moab, Utah. He also evaluated design, performance and improvement options for Intrepid's solution mine operations to optimize production. Intrepid was the first potash company to successfully utilize horizontal drilling techniques to develop solution mining caverns resulting in economic recovery of potash coupled with the environmentally beneficial elimination of waste salt tailings and associated surface storage. As a former Research Committee member of the Solution Mining Research Institute, combines his technical knowledge with a practical operational approach to effectively guide development of solution mining projects.

#### Max Ramey, P.Eng. – Solution Mining

Solution mining lead for the Potash One - Legacy Project (as well as the Rio Tinto - Potasio Rio Colorado Project in Argentina). Solution mining lead for the design, pilot testing, commissioning, and operation of the American Soda nahcolite solution mining project in Colorado, USA. With 31 years of solution mining experience and a track record in operations, design, and commissioning of solution mining facilities, Max is a world-class expert in high demand throughout the solution mining industry.

#### John McEwan, P. Eng. – Processing

Developed the process design for the Legacy project, as well as the Potasio Rio Colorado Project in Argentina based on his over 40 years in the mining/ mineral processing industry. With solution processing expertise in many minerals under varied chemical conditions, John leads the effort to move processing techniques into the 21st century, providing an exceptionally efficient processing solution for Gensource's selective dissolution projects.

#### Sandy Debusschere – Drilling

Sandy is a well-known and sought-after drilling design and execution consultant in the province, with extensive experience in oil & gas and potash exploration and operational drilling. Sandy is responsible for the drilling design for Potash One's Legacy Project as well as for several other solution mining projects in Saskatchewan and worldwide. Sandy's expertise extends to horizontal drilling and solution mining-specific aspects of drilling and casing operations.



# **Investment Summary**



New, independent, sustainable choice

for potash supply. Tugaske is the first module.



Environmentally & socially responsible production

with no tailings and or surface brine ponds and a small-scale facility that fits seamlessly into rural Saskatchewan communities.



Strong, steady market and a predictable long-term revenue stream

with the US Market representing a high netback supply opportunity. A 10-year renewable take-or-pay off-take agreement secured with Helm AG who controls a substantial logistics supply chain in the US.



Strong JV equity partners in place

with 55 - 60% of the required equity identified - Helm AG (offtake partner) is one of the equity partners. Helm AG recently executed a royalty agreement on the Project.



Lean and Integrated Project Delivery

(IPD) provides reduced construction risk, better performance outcomes and successful achievement of key project objectives (i.e. safety, cost, schedule, etc.)



A "shovel ready" project

with key milestones complete and alignment with proven development partners to implement a timeline that expedites construction, start-up and full-scale production upon successful financing.



Financing progressing

with world-class senior lenders, KfW IPEX-Bank & Société Générale, acting as lead arrangers for the senior debt financing of the project.



Strong & experienced team

with longstanding credibility, expertise, and success in the potash industry.



# Market Capitalization (\$CAD)

Market Capitalization \$94.9 M

Recent Share Price \$0.23 52-Week Range \$0.24-\$0.07

Average Volume 334,453

Shares Outstanding 413 M
Options 33.6 M
Broker Warrants 1.4 M

Cash ~\$3.5 M Debt \$0

Management, Directors

& Business Associates ~27%

#### 52-Week Price History





### **Contact Information**

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