

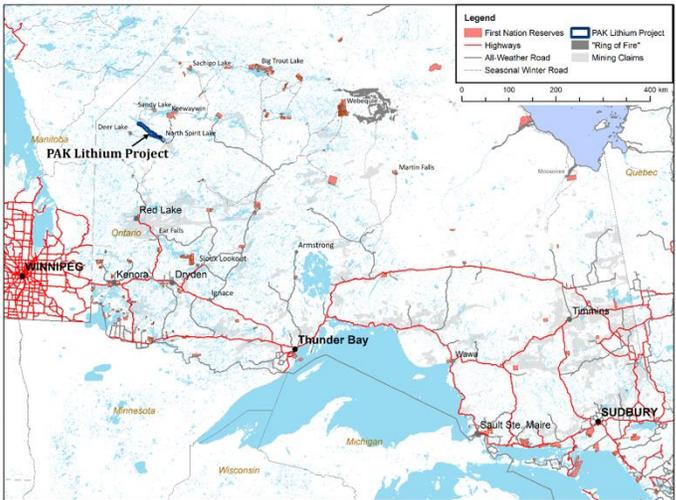
High Quality: Always the Right Choice.

Frontier is an emerging pure-play lithium company with the largest land position in the Electric Avenue, an emerging premium lithium mineral district located in the Great Lakes region of Northern Ontario. The company maintains a 100-per-cent ownership in the PAK lithium project, which contains one of North America's highest-grade, large-tonnage hard-rock lithium resources.

Frontier Lithium offers a unique opportunity for investors seeking value in battery metals. Located in North America, Frontier's lithium is contained in a rare low-iron spodumene resource which can produce two lithium products, a characteristic found in only a few [commercially-viable](#) deposits around the world.

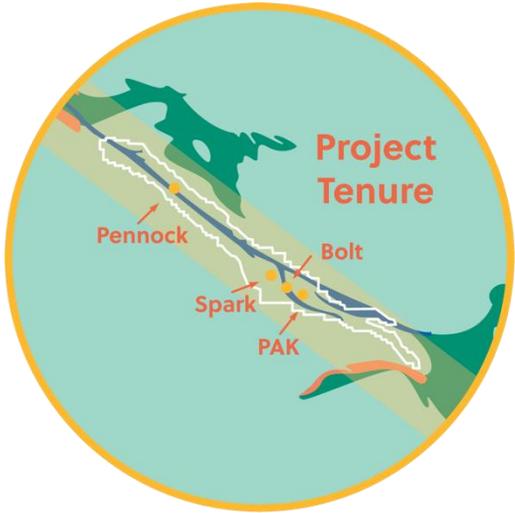
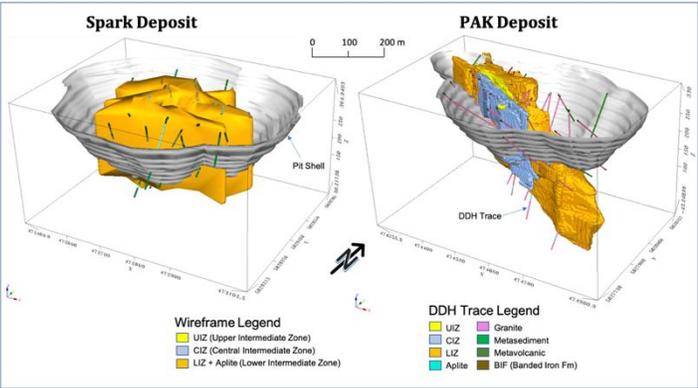
Overview

	Rare metal focus since 2010
	One of the top 3 quality lithium resources globally
	Aiming to become a vertically integrated lithium hydroxide supply for EVs
	\$1B USD NPV by low cost/high purity conventional open pit operations
	Management and directors own ~25%



Frontier Lithium	TSX.V	OTCQX
Ticker	FL	LITOF
Shares	195.5M	195.5M
Price (30/6/2021)	CAD .80	USD .63
90-day Average Volume	433,370	181,205
Market Cap	CAD 156	USD 123
Cash	CAD 9M	USD 7.1M

Our Assets



Spark Deposit (Premium Chemical Grade)

- 3.3 million tonnes averaging 1.59% Li₂O in the Indicated category, <0.25% Fe₂O₃
- 15.7 million tonnes averaging 1.31% Li₂O in the Inferred category, <0.25% Fe₂O₃
- Deposit remains open in all directions
- **Current In-Fill drilling underway - Initial drill hole result: 340 meters averaging 1.68% Li₂O**
- At surface at least 2 times larger than the PAK pegmatite,
- Widths greater than 100m, strike length of more than 300m.
- Mineral grades and composition are similar to PAK Deposit and they are 2.3 km apart.

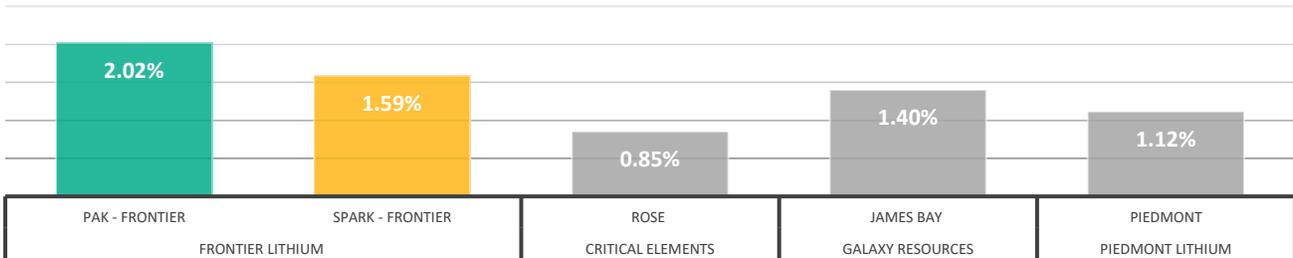
PAK Deposit (Technical Grade)

- 9.3 Mt resource, average grade 2.04% Li₂O, < 0.1% Fe₂O₃ (largest known technical grade deposit globally known to management)
- 500m strike length 300m deep estimated true width varying from 10 to 125m with a sub-vertical orientation (est. average of 45m)
- Deposit remains open to depth and along strike to the northwest and southeast.
- Produced a rare 7.2% concentrate similar to Albemarle’s premium product.
- Life of Mine sample product qualified by glass/ceramics market.

Low Impurity Advantage

Due to its rare, low impurity levels, highlighted by <0.1% iron oxide in the PAK deposit and <.25% in the Spark deposit, Frontier’s mineral concentrates should compete with capital intensive lithium chemical products (technical grade carbonate). Its technical grade concentrate is a high- margin, low-capex intensive product similar to the premium concentrate output from the largest lithium producing Greenbushes mine in Australia.

North American Leading Peer Comparison Measured and Indicated Resource Grade % Li₂O



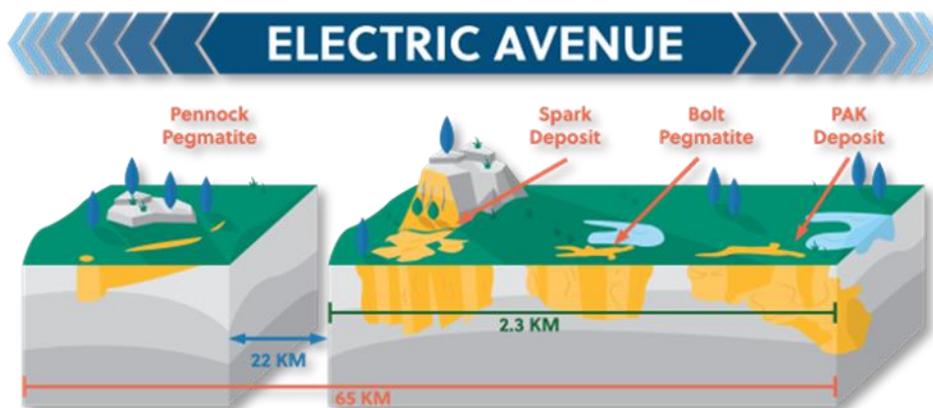
Exploration Update

In-fill drilling that targets the Spark deposit’s inferred resource commenced in the winter of 2020 and will continue in the fall of 2021. The Company expects to disseminate the balance of the Winter drill program results in the autumn. The Summer 2021 drill program has been postponed to the autumn due to a mandatory evacuation from excessive forest fires in northwestern Ontario, two of which are proximate to the PAK Lithium Project. The drill program will increase the confidence of the inferred resource as required by the advancing Pre-Feasibility study (“PFS”). In addition, some geotechnical drilling will also take place for the PFS engineering requirements and representative sample generation for further metallurgical test work programs.

The Company’s primary focus is to realize its exploration target at the PAK Lithium Project to support a fully-integrated mining and chemicals company. As per its recent Preliminary Economic Assessment (“PEA”), the company has defined a resource with a minimum of 20-year project life by establishing 500,000 tonnes of Lithium Carbonate Equivalent (“LCE”). The PEA corresponds to 276,374 LCE tonnes from a combined PAK and Spark “open-pit” constrained resource using an internally estimated resource to reserve discount of 70%.

Upside Potential - Considerable exploration upside is supported on the Project through two other spodumene bearing discoveries; Bolt pegmatite located between PAK and Spark deposits, as well as Pennock pegmatite, a further 30 km northwest of PAK within the Project claims.

Exploration Target - Management’s target for the Spark Open Pit is of 8 - 10 million tonnes in the measured and indicated categories. The deposit remains open in all directions and preliminary electron microprobe data suggests much of the spodumene within the pegmatite contains iron levels consistent with technical grade concentrates.



Bolt Pegmatite

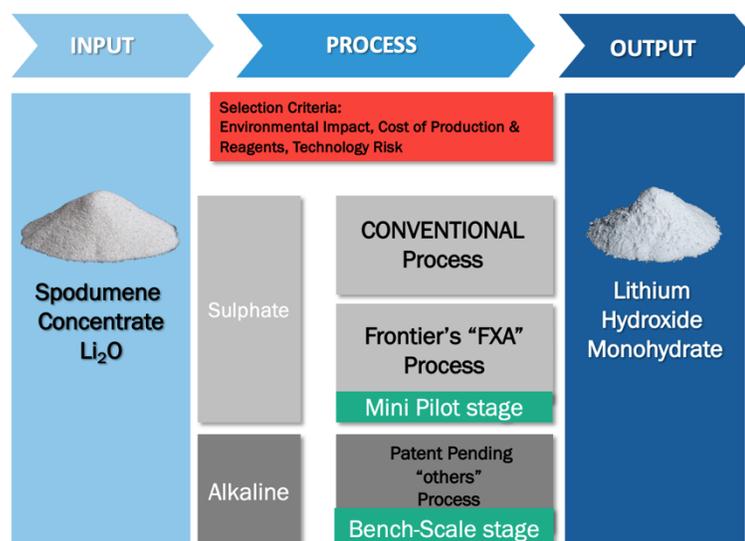
- The pegmatite has been traced for over 600 m with zones up to 50 m wide.
- Initial channel sampling has resulted in 1.5% Li₂O over 36.4 m.
- It is concordant with host rock and appears to be vertically emplaced.

Pennock Pegmatite

- The outcrop (30mx16m) consists entirely of spodumene and quartz intergrowth;
- The entire channel of 16 metres grades 2% Li₂O with a 12 m zone averaging 2.35% Li₂O and averaged less than 0.1% Fe₂O₃
- Substantiates fertility of Ontario’s Electric Avenue for high-quality LCT pegmatites hosting rare low-iron spodumene.

Development Update

The Company is currently assessing lithium chemicals process and technology options through an internal scoping study which is partly supported financially from the Ontario government. Various bench-scale and mini-piloting test programs are expected to deliver initial battery grade lithium hydroxide samples in the fall of 2021. These samples will display the resources potential and be used for marketing purposes. Final lithium chemical piloting and process selection will occur before early 2022 and will be used to support the ensuing PFS planned for delivery in 2022. The company also continues the baseline environmental monitoring, including but not limited to, stream flow measurements, water quality sample collection, and weather station data collection.



Market Outlook - Lithium is the essential component for batteries in electric vehicles, grid-scale energy storage, and additional applications that are currently disrupting and de-carbonizing the transport and utility sectors. The fundamentals of the lithium market changed dramatically in late 2020 to the benefit of lithium producers.

The market signals substantial growth, especially for 2021 Cathode production that is forecasted to be 1,157KT around 60% growth year over year, and batteries sold 450 GWh about 50% increase compared to last year. The supply shortages of battery-grade chemicals, particularly hydroxide (see figure below), and other qualified materials, are expected to drive future lithium prices higher, resulting in potential equity market support for the Company.

Noteworthy Advancements

Spark Deposit Continues to Deliver:

Frontier intersects 340m of pegmatite averaging 1.68% Li₂O at Spark. Best "Management known" hard rock lithium intersection on the continent. [Read More HERE](#)

Promising Partnership: Provincial Government & Frontier

On May 26, the Provincial Government invested \$363,000 into Frontier Lithium and its extraction process for lithium. The funding will promote economic development in the north and highlights the province's high mineral development potential.

[Read More HERE](#)

Confidence in Our Resource: Purchase of NSR

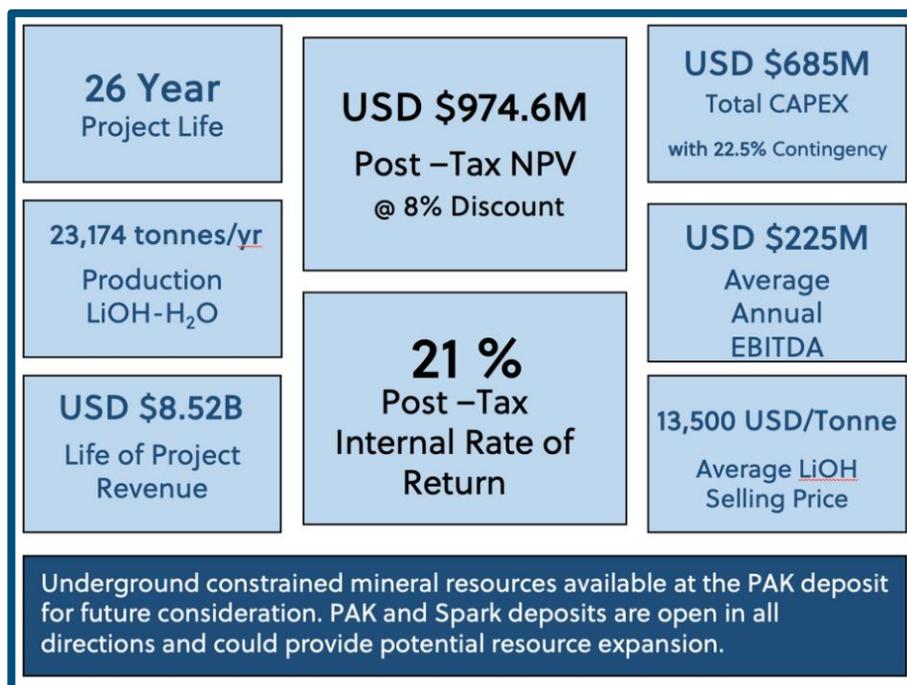
The Company is confident in its resource's potential, purchasing a Net Smelter Royalty from two private individuals. By strategically purchasing the NSR, Frontier avoided much higher, longer-term costs associated with the Project's foreseen increase in value from its resource growth from the Spark deposit and ensuing future commercialization potential.

[Read More HERE](#)

Preliminary Economic Assessment (PEA) Results Demonstrate \$1.62B NPV Fully-Integrated Project

Published in April 2021, Frontier Lithium's PEA results demonstrate compelling Project Economics. It includes measured, indicated and inferred resource to produce 556,200 tonnes of LiOH from the PAK and Spark deposits—conventional open pit mining only. Click [HERE](#) to access the Fully-Integrated PEA results. Frontier has now begun its PFS-related engineering work.

PEA Highlights



Frontier Continues to Strengthen Its Team: New Members

The Company recently acquired new members at both the executive and board levels. As the requirements of our project continue to increase, Frontier’s team will continue to expand. Access the corresponding press release links [below](#):

Dr. Naizhen Cao, [Vice President of Technology](#)

Former Chief Scientist for Tianqi Lithium, Dr. Cao, is a rare battery metal expert who has significant industry experience of producing lithium chemicals.

Bart Meekis, [Board of Directors](#)

As former Chief of Sandy Lake First Nation, Mr. Meekis provides regional representation for the Oji-Cree peoples proximate to the PAK Lithium Project.

Greg Mills, [Board of Directors](#)

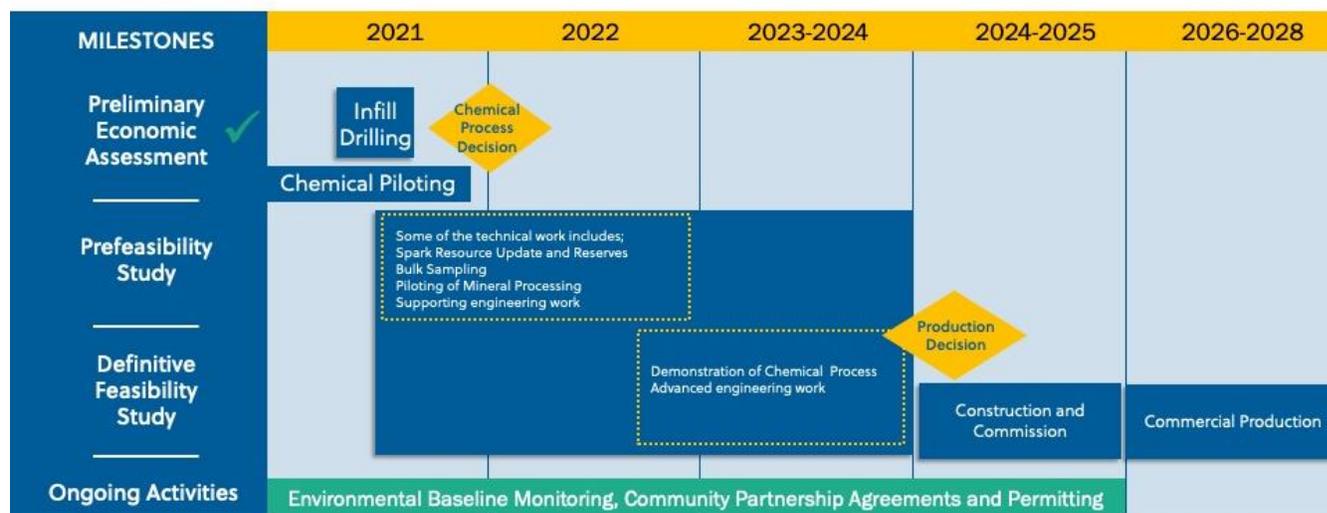
Mr. Mills is the former managing director of RBC Capital Markets’ Global Equities division and is on multiple RBC Capital Markets’ Operating and Global Risk committees.

Marc Boissonneault, [Board of Directors](#)

Mr. Boissonneault is the former head of Global Nickel Assets for Glencore, a global mining and battery metals executive.

Accelerated Production Plan - Frontier aims to complete final permitting, metallurgical testwork and definitive feasibility in 2024 to make the construction decision for mine, mill and downstream chemical plant to produce lithium chemicals.

Vertically Integrated Lithium Chemicals Producer



*The project timelines are estimates and are subject to adverse business developments and economic conditions in the principal markets. The accelerated timeline is under study during the Pre-Feasibility Study.

Cautionary Statement on Forward-Looking Statements

Certain statements in this document may contain forward looking” statements that involve known and unknown risks, uncertainties and other factors that may cause the actual results, performance or achievements of the Company or industry to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. This document should be viewed in conjunction with the prospectus, a copy of which be obtained electronically at SEDAR.