

COMPANY **UPDATE**

Beaver Creek, Colorado

September 14, 2016

CAUTIONARY STATEMENT

Certain statements contained in this presentation, including all statements that are not historical facts, contain forward-looking statements and forward-looking information within the meaning of applicable securities laws. Such forward-looking statements or information include, but are not limited to, statements or information with the respect to Pure Energy Minerals Limited ("Pure" or the "Company") overall objectives and strategic plans, work programs, exploration budgets and targets and minerals resource estimates. Readers should review all of the Company's public disclosure including its Annual Information Form and the risk factors contained therein filed on www.sedar.com Oct 27th 2015, and the technical report on its properties filed on www.sedar.com on July 28th 2015.

Often, but not always, forward-looking statements or information can be identified by the use of words such as "plans", "expects", or "does not expect", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates" or "does not anticipate", or "believes" or variations of such words and phrases or statements that certain actions, events or results "may", "could", "would", "might" or "will" be taken, occur or be achieved. With respect to forward-looking statements and information contained herein, we have made numerous assumptions including that, among other things, no significant adverse changes will occur to our planned project expenditures, that there will be no significant delays of the completion of our planned exploration programs; as to the continuing availability of capital resources to fund our programs; and that the company will not experience any adverse legislative or regulatory changes. There are numerous uncertainties inherent in estimating mineral reserves and mineral resources, including many factors beyond the Company's control. Such estimation is a subjective process, and the accuracy of any reserve or resource estimate is a function of the quantity and quality of available data and of the assumptions made and judgment used in engineering and geological interpretation. In addition, there can be no assurance that lithium recoveries in small scale laboratory tests will be duplicated in larger scale tests under on-site conditions or during production. Although we have attempted to identify factors that would cause actual actions, events or results to differ materially from those disclosed in the forward-looking statements or information, there may be other factors that cause actions, events or results not to be as anticipated or intended. Also, many of the factors are beyond the control of Pure. Accordingly, readers should not place undue reliance on forward-looking statements or information. Although management believes that the assumptions made and the expectations represented by such statements or information are reasonable, there can be no assurance that any forward-looking statements or information referenced herein will prove to be accurate.

Pure undertakes no obligation to reissue or update any forward-looking statements or information as a result of new information or events after the date hereof except as may be required by law. All forward-looking statements and information herein are qualified by this cautionary statement.

Scientific or technical information contained herein is derived from the independent NI43-101 technical report which includes more detailed information with respect to the Company's properties, including the dates of such reports and the estimates included therein, details of quality and grade of the resource, details of the key assumptions, methods and parameters used in the resource estimate, a general discussion of the extent to which the resource estimates and the other estimates and projections included in the reports may be materially affected by any known environmental, permitting, legal, taxation, socio-political, marketing, or other relevant issues and you are urged to review such reports in their entirety.







Mineral resources which are not mineral reserves do not have demonstrated economic viability. The category of inferred resource is the least reliable resource category and is subject to the most variability. Until mineral reserves and resources are actually mined and processed, the quantity of mineral reserve and resource grades must be considered as estimates only. Patrick Highsmith MSc., CPG., is a qualified person as defined by NI 43-101, and has supervised the preparation of the scientific and technical information that forms the basis for this presentation. Mr. Highsmith is not independent of the Company as he is a director.

WHY US?



Four Reasons Pure Energy Minerals Stands Out

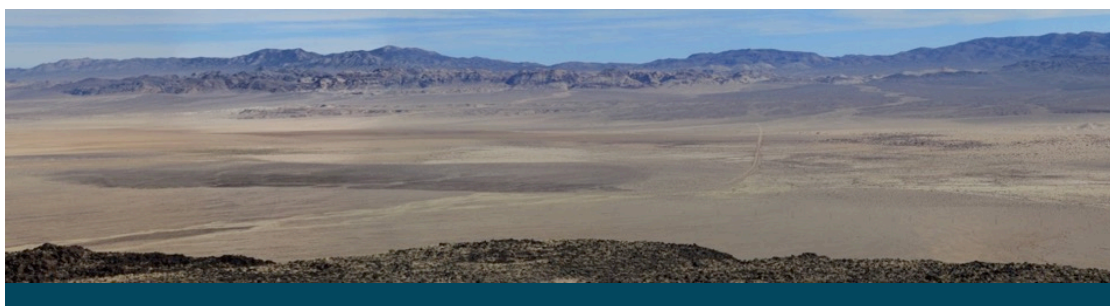
<p>01 The Only New Resource in a Productive District</p>		<p>03 Potential Breakthrough Technology</p>	
	<p>02 Our First Customer is on Board</p>		<p>04 Lithium – Bull Market in the Commodity and Equities</p>



World-Class Infrastructure

Power Lines, Roads, and North America's Only Lithium Producer...

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TSXV:PE

OTCQB:PEMIF

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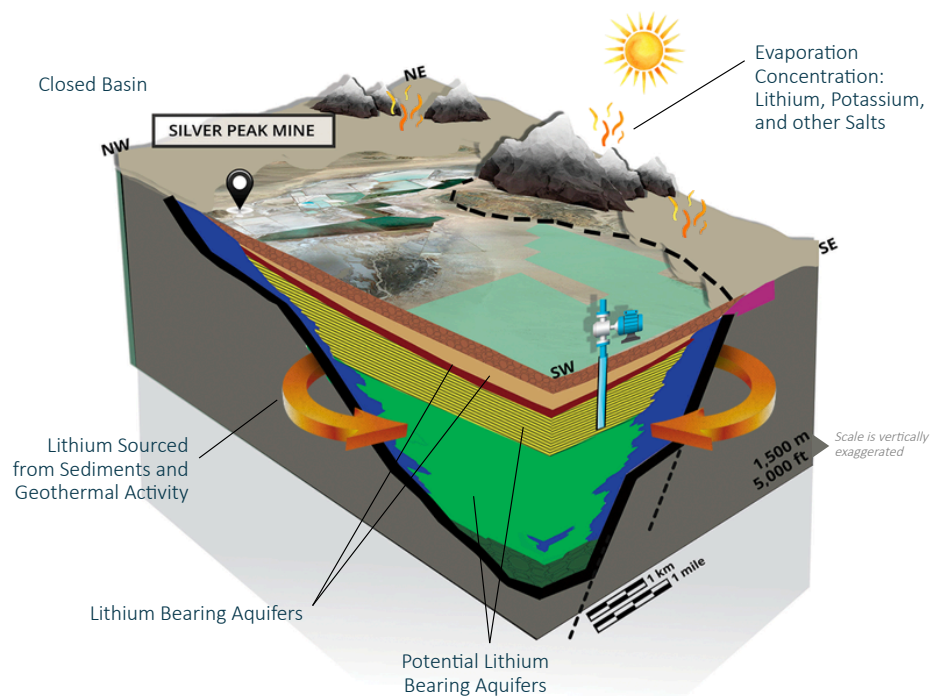
leo@fcir.ca
416.543.3120

www.PureEnergyMinerals.com

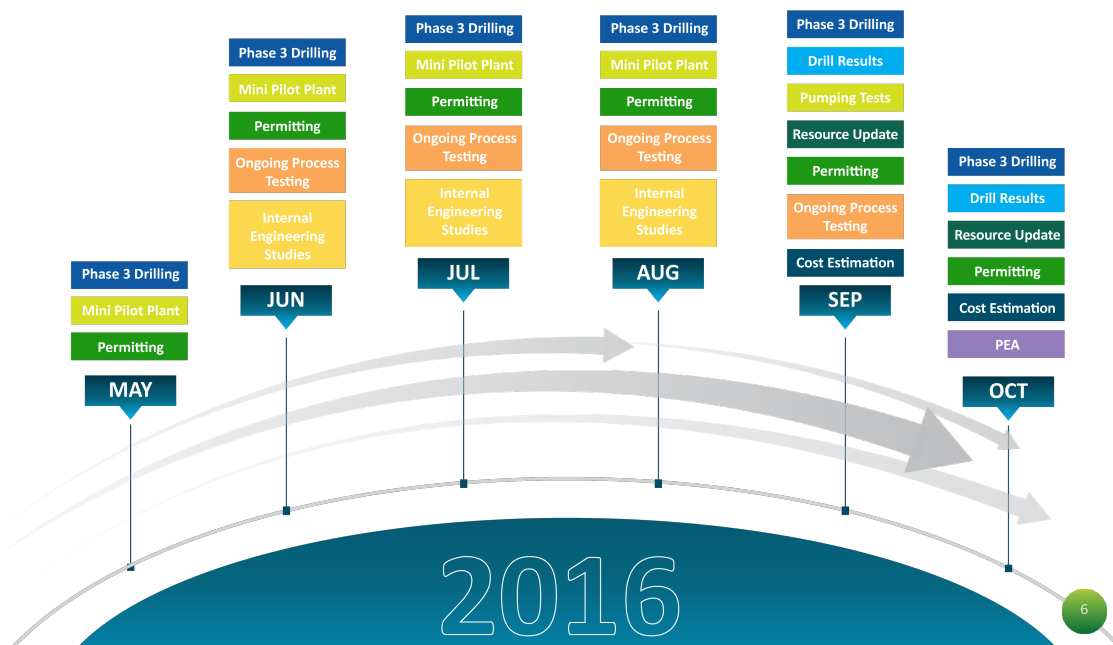
SUMMARY



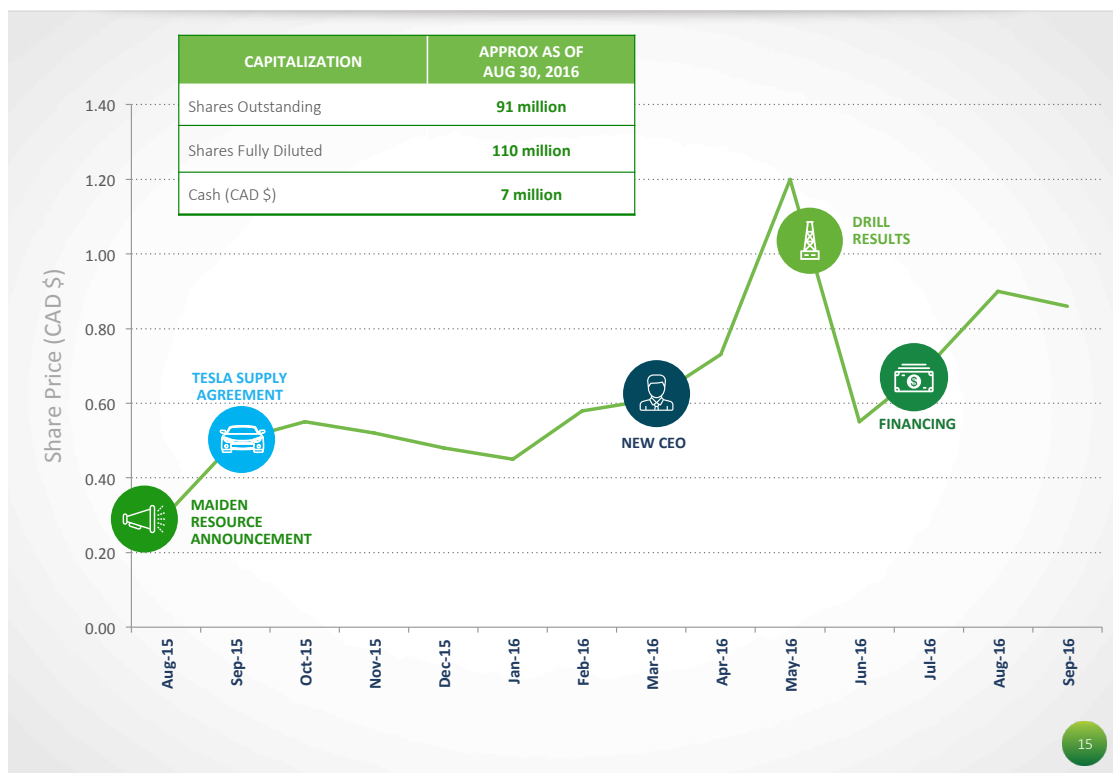
WHERE DOES THE LITHIUM COME FROM?



NEAR-TERM MILESTONES



SHARE PRICE CHART AND CAPITALIZATION



AN OWNER'S TEAM THAT WELCOMES THE CHALLENGE

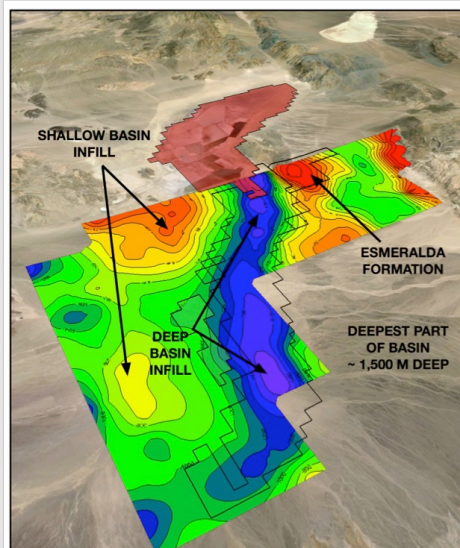
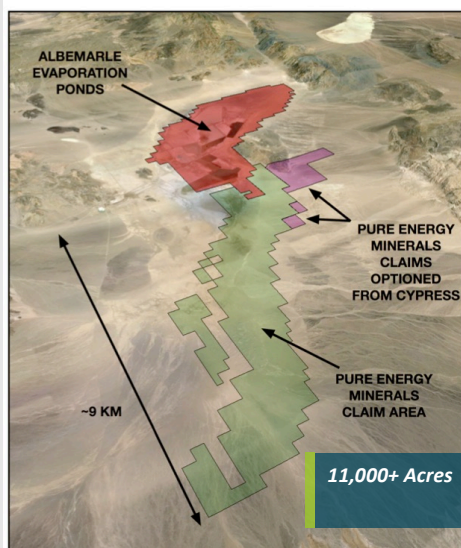
PureEnergy
minerals



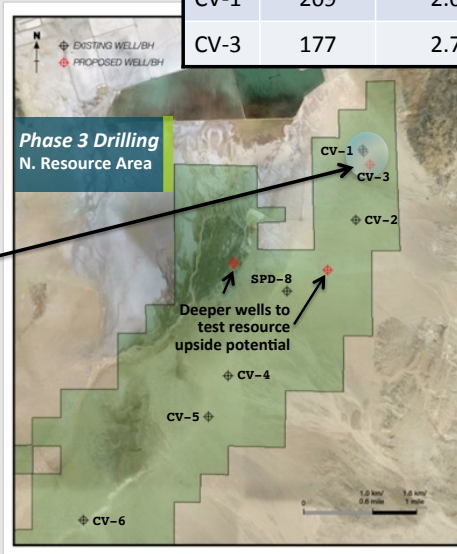
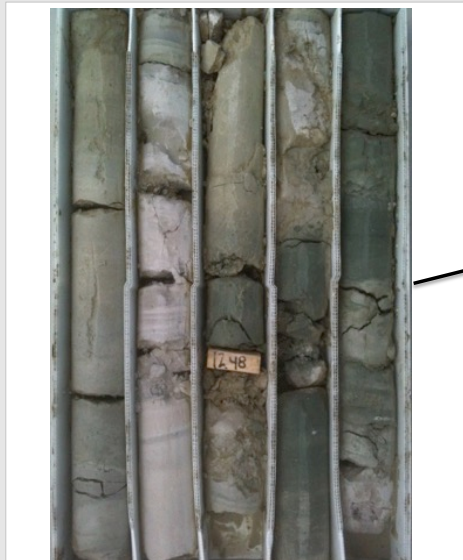
CLAYTON VALLEY SOUTH PROJECT

PureEnergy
minerals

Adjacent to Current Production and Lots of Growth Potential



Four Wells Completed in 2016 – Two More to Come in Phase 3



Well	Li (mg/L)	Mg:Li Ratio
CV-1	209	2.0
CV-3	177	2.7

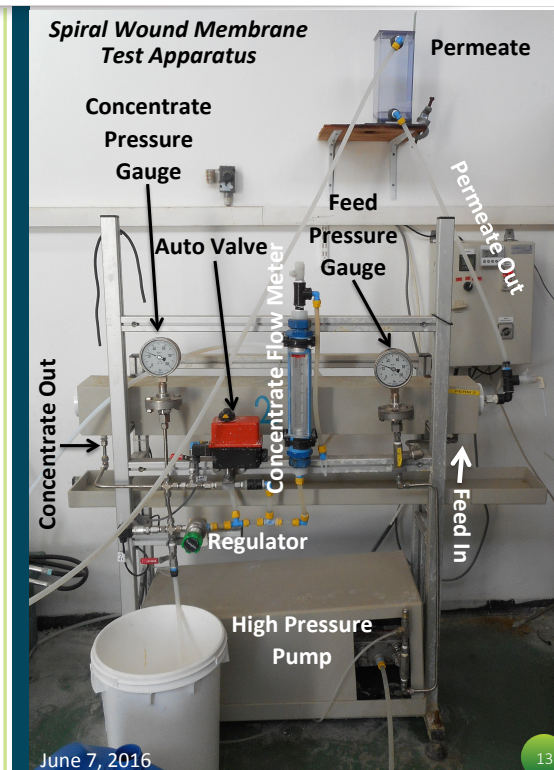
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MINI PILOT PLANT WORK COMPLETED

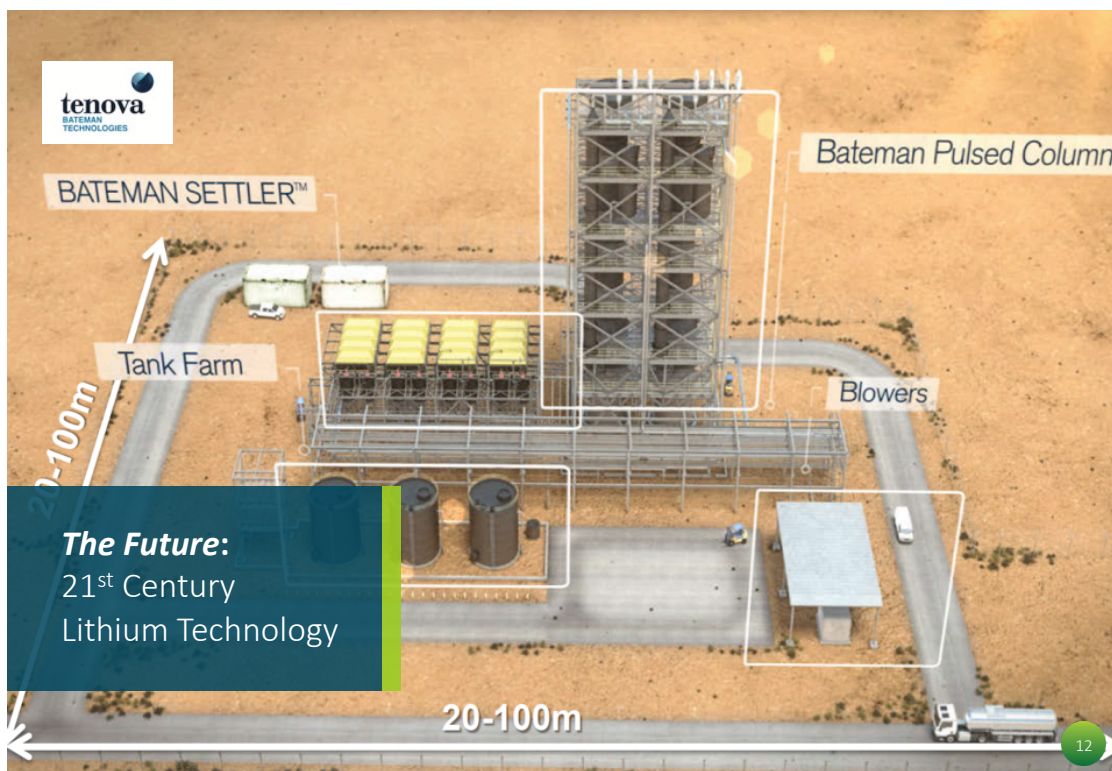


Tenova Bateman Technologies (TBT) Mini-Pilot Plant in Israel

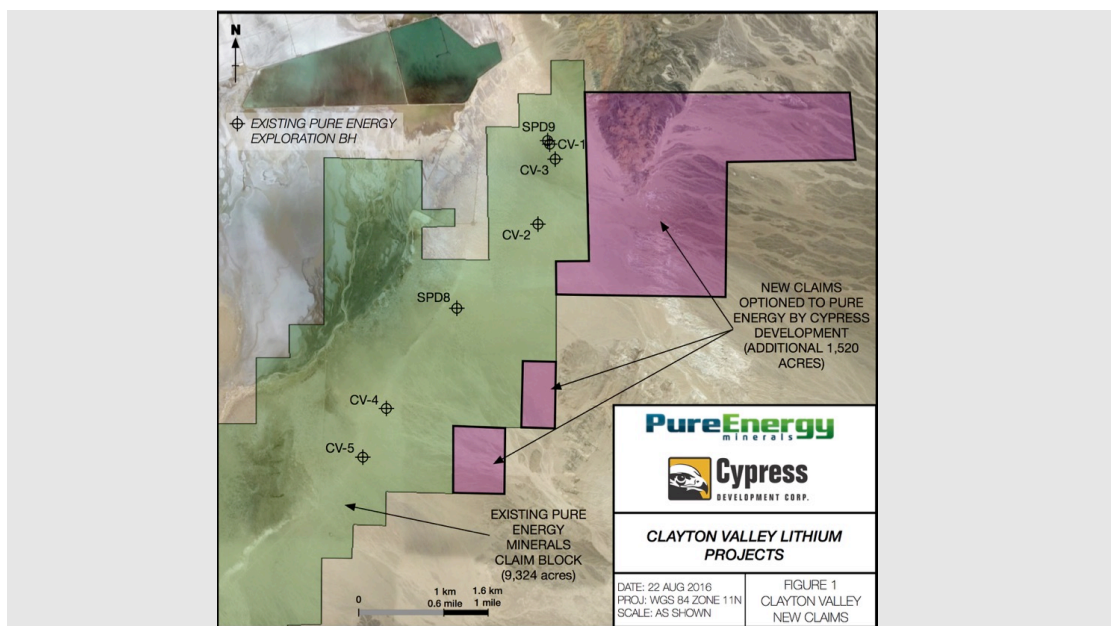
- 1 **LiP™** – Removal of alkaline earth elements using membranes
- 2 **LiSX™** – Recovery of lithium into concentrated high-purity lithium sulfate solution
- 3 **LiEL™** – Conversion of lithium sulfate solution into concentrated high-purity lithium hydroxide solution and crystallization into high-purity battery grade lithium hydroxide

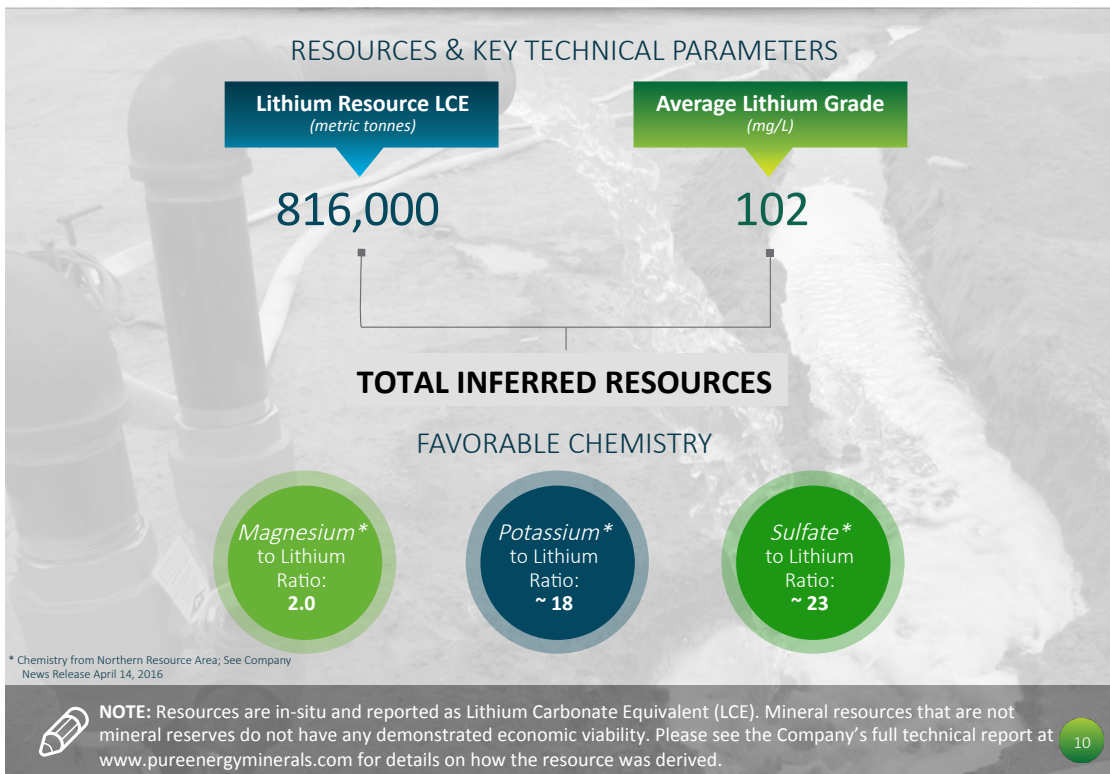


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Option Includes more than 1,500 Acres – Brine Targets and Extensive Surface Lithium





POTENTIAL BREAKTHROUGH TECHNOLOGY

