



Enertopia Corp

Technology changes everything, Lithium comes of age
April 2017

Disclaimer

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ENERTOPIA Lithium Extraction Technology (ENERLET)

Enertopia Corp has entered into a Definitive Commercialization Licensing Agreement with US based Genesis Water Technologies Inc. (GWT), an water purification company that specializes on three areas of treatment - drinking, water reuse, and wastewater.

Enertopia has partnered with GWT's technology and development arm to fast track development of the ENERLET technology for the recovery of Lithium from brines.



ENERTOPIA Lithium Extraction Technology (ENERLET)

How does ENERLET differ from other extraction means:

Solar Evaporation

- Requires large tracts of land
- Requires high sun rates and hot climates
- Tough to Permit, uses a lot of water and space

Hard Rock Mining

- Requires a lot of energy
- Tough to Permit, uses a lot of water and space
- Other detractions

ENERLET

- Compact, modular design for scalability
- Environmentally friendly
- Potentially easier to permit

Summary of final bench test results

- **Lithium Carbonate (Li₂CO₃) purity tested at 93.7% to 96.9%.**
- **Lithium recovery results showed 72.42% to 79.62% of lithium in solution recovered based on 24hr bench test.**
- **Lithium recovery was not impacted in a significant way from high magnesium content in brines samples being bench tested.**
- **19 separate EC tests were run to test different recovery parameters.**
- **Bench test data indicate lithium purity and recovery numbers can be improved by further testing and process improvements, which will be targets of the second round of bench tests.**

(ENERLET) Recovery Process 24hr bench test

Specialized System Composed of Five Stage Treatment Process

1 Centrifugal Self Cleaning Pre-filtration

2 Advanced Electrocoagulation Process

3 Dissolved Air Flotation or Centrifugal Post Filtration

**NOTE: over 80% of B, Ca, Mg, removed in Primary removal stage
and over 90% of Li remained in solution**

4 Catalyst Process

5 Concentration/Evaporation Process

6 Precipitation and Drying Process

Li₂CO₃ testing returned 93.7% to 96.9% purity

Next Steps

- **Results from first bench test are being incorporated in larger 2nd phase bench test which will determine best location for test pilot plant.**
- **Enertopia nearing completion of geological review of potential locations in the southwestern USA and South America.**
- **Enertopia building up the technical team**

<http://www.proactiveinvestors.com/companies/stocktube/7313/enertopia-s-robert-mcallister-very-pleased-with-purity-levels-from-lithium-carbonate-samples-7313.html>

Enertopia focused on brine and soil sources of Lithium

BRINES

50% of world production Argentina, Chile, Bolivia

Pump Li brine from salt lakes

Lower opex cost +/-

More brine resources in the world

Recovery process simpler and lower cost



SOILS

Potential to create synthetic brines

Argentina, California, Chile, Nevada

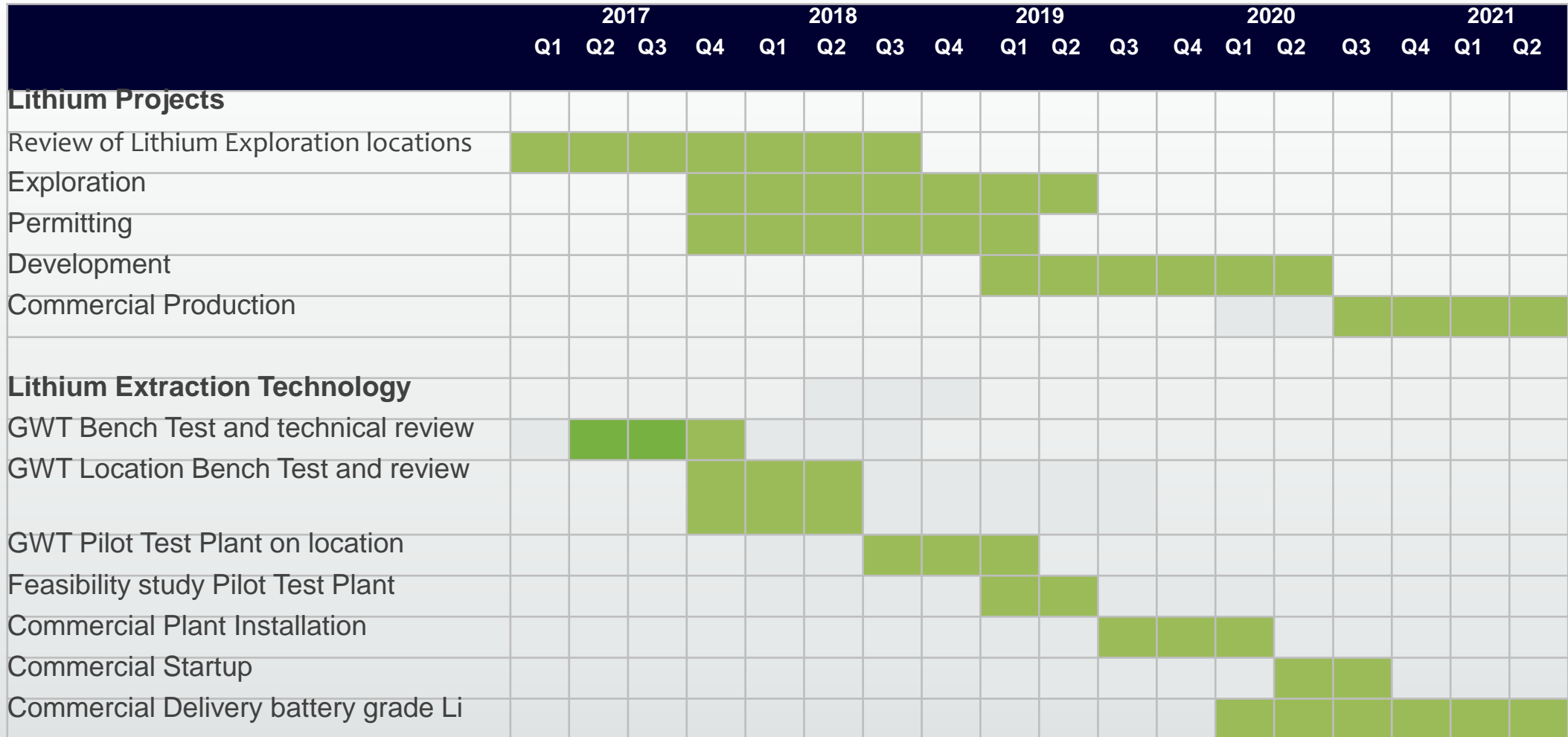
Conventional mining

Recovery using ENERLET process



Claystone/Carbonate Rocks- Location Western USA and Mexico
Volcanic sediments - Location Western USA and South America

PROPOSED TECHNOLOGY AND PROJECT TIMELINE



Proposed work programs and timelines are preliminary and subject to change. No production decision has been made.

MANAGEMENT and ADVISORS

Management

President/ CEO Robert McAllister has served as our president since November 2007 and as a director since April 2008. Mr. McAllister was responsible for Investor and Corporate communications for mining and oil & gas companies in the past. Mr. McAllister has also provided and written business and investment articles from 1996 to 2006 in various North American publications focused on oil & gas and mining companies.

CFO Bal Bhullar has over 23 years of diversified entrepreneurial, financial and risk management experience in both private and public companies, in the industries of technology, mining, marine, oil & gas, energy, transport, and health and wellness industries. Ms. Bhullar brings expertise in entrepreneurial, financial & strategic planning, operational & risk management, regulatory compliance reporting, business expansion, start-up operations, financial modeling, program development, corporate financing, and corporate governance/internal controls.

ADVISORY BOARD

Dr. Thomas is a professional engineer, and holds a B.Sc., an M.Sc, and a Ph.D. in chemical engineering from the University of Manchester in the United Kingdom. He also received a diploma in accounting and finance from the U.K. Association of Certified Accountants. He has 43 years of experience in the mining industry, including both base metal and precious metal projects in several countries including Brazil, Canada, Costa Rica, Russia, Venezuela, and Zambia. His experience covers a wide range of activities in the mining industry from process development, management of feasibility studies, engineering and management of construction, and operation of mines.

CONTACT INFORMATION

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Share Structure	May 1, 2017
Issued & Outstanding	102,298,031
Warrants	40,191,810
Options	6,795,000
Fully Diluted	149,284,841

OTCQB: ENRT CSE: TOP

The technical portions of this presentation have been reviewed by Douglas Wood, PGeol, a qualified person under the terms of National Instrument 43-101.