

# ***Enertopia Corporation***

(OTCQB: ENRT)

## **Welcome To the Next Chapter**

## **November 2021 Corporate Presentation**

# Disclaimer

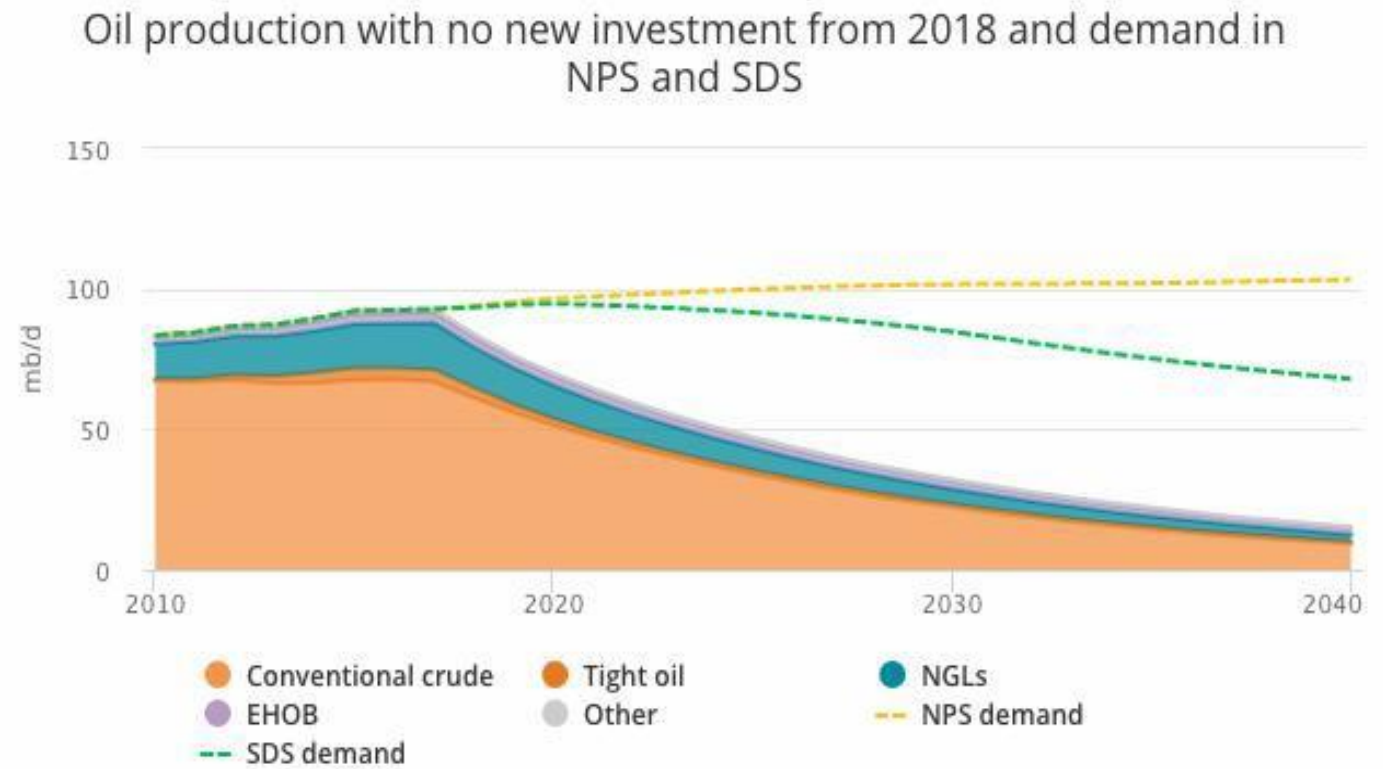
This presentation includes forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Statements which are not historical facts are forward-looking statements. The Company makes forward-looking public statements concerning its expected future financial position, results of operations, cash flows, financing plans, business strategy, products and services, evaluation of mineral projects, mineral recovery technologies, for participation and/or financing, competitive positions, growth opportunities, plans and objectives of management for future operations, including statements that include words such as "anticipate," "if," "believe," "plan," "estimate," "expect," "intend," "may," "could," "should," "will," and other similar expressions that are forward-looking statements. Such forward-looking statements are estimates reflecting the Company's best judgment based upon current information and involve a number of risks and uncertainties, and there can be no assurance that other factors will not affect the accuracy of such forward-looking statements., foreign exchange and other financial markets; changes of the interest rates on borrowings; hedging activities; changes in commodity prices; changes in the investments and ability to finance; litigation; legislation; environmental, judicial, regulatory, political and competitive developments in areas in which Enertopia Corporation operates. The User should refer to the risk disclosures set out in the periodic reports and other disclosure documents filed by Enertopia Corporation from time to time with regulatory authorities. There is no assurance that the Electric Vehicle market will grow by the currently projected numbers or that Li-ion batteries will be the storage platform of choice. There is no assurance that the Company will be successful mineral recovery or clean energy technologies will be economical, and if they are economical will have any positive impact on the Company.



# Worldwide Oil Demand Pre Covid-19

Dashed orange line is if the World stays on the current oil demand path to 2040.

Green dashed line is if the world follows the 1.5 degree celsius Paris accord guideline to 2030 and beyond.

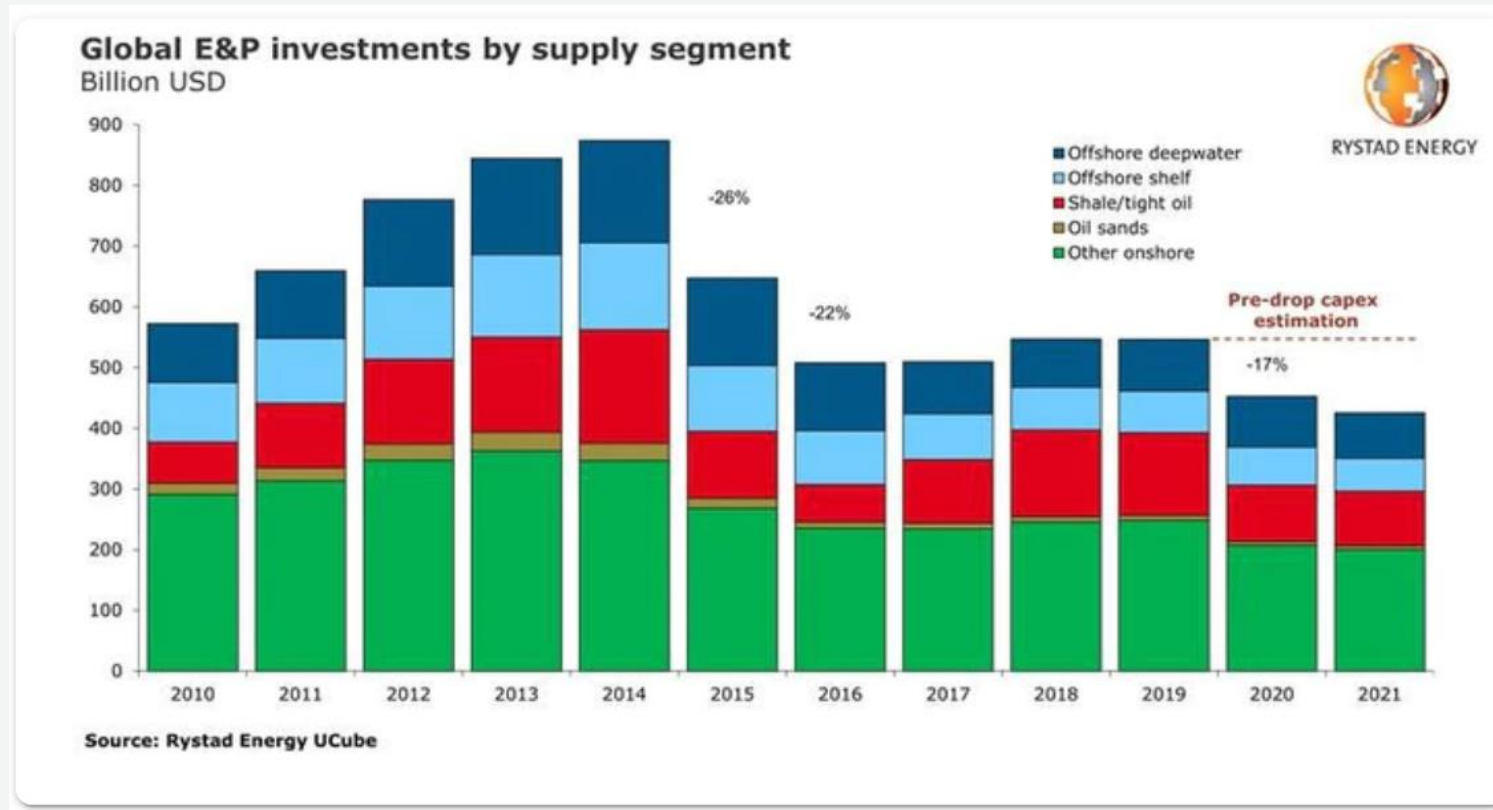


Source: IEA 2019 WEO

# Global yearly capex Exploration and production oil alone

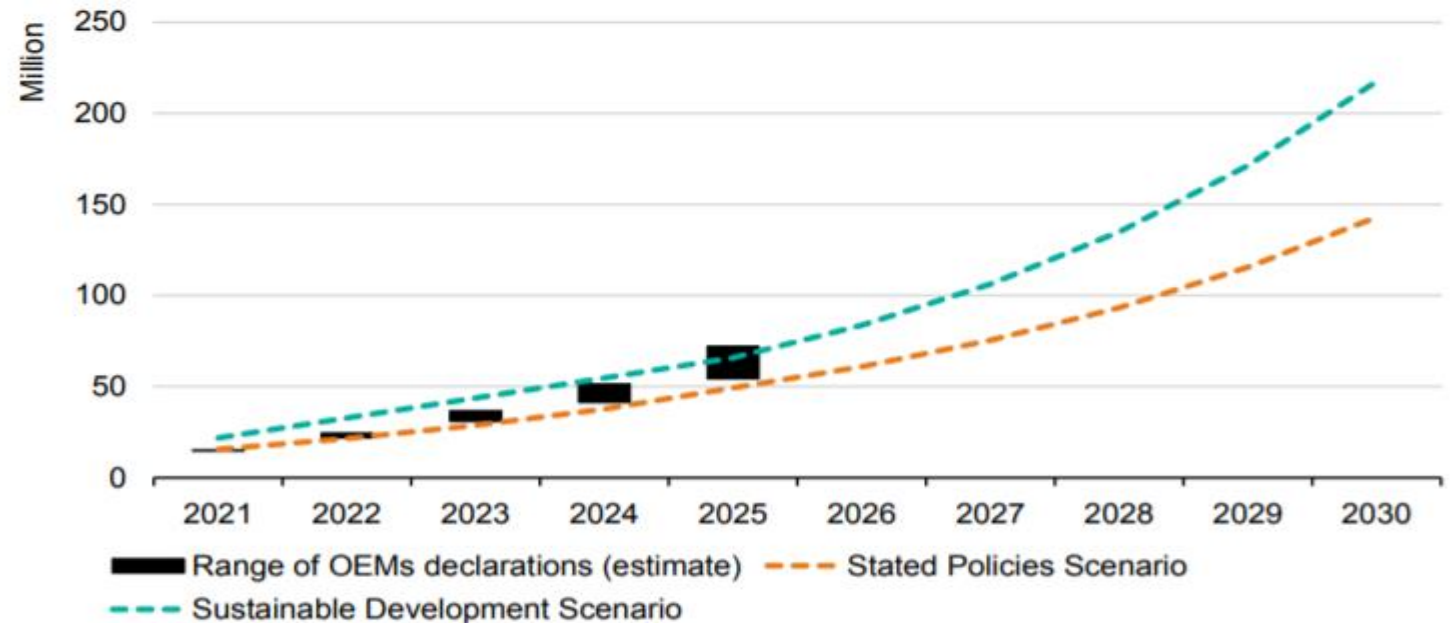
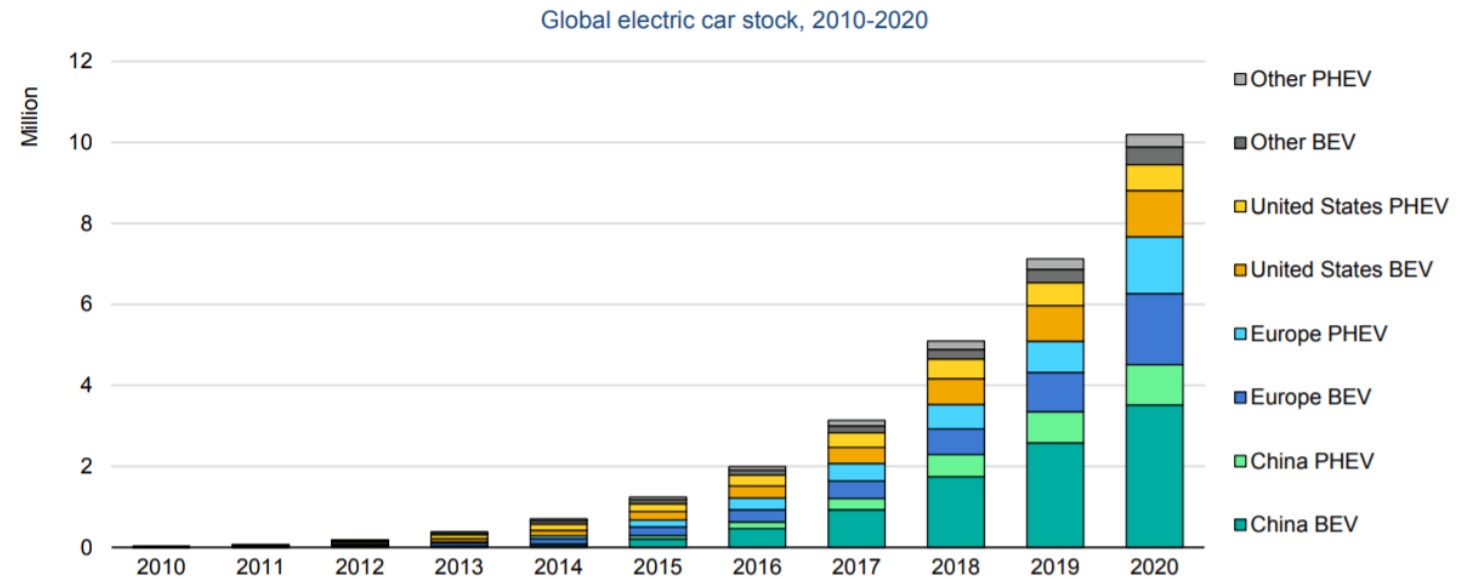
COVID-19 is estimated to have reduced yearly capex by \$100 billion dollars in both 2019 and 2020.

Is there a better investment thesis than spending \$6 trillion a decade to stay on the current energy system or should we be diligent in deleveraging our energy system to new opportunities and technologies?



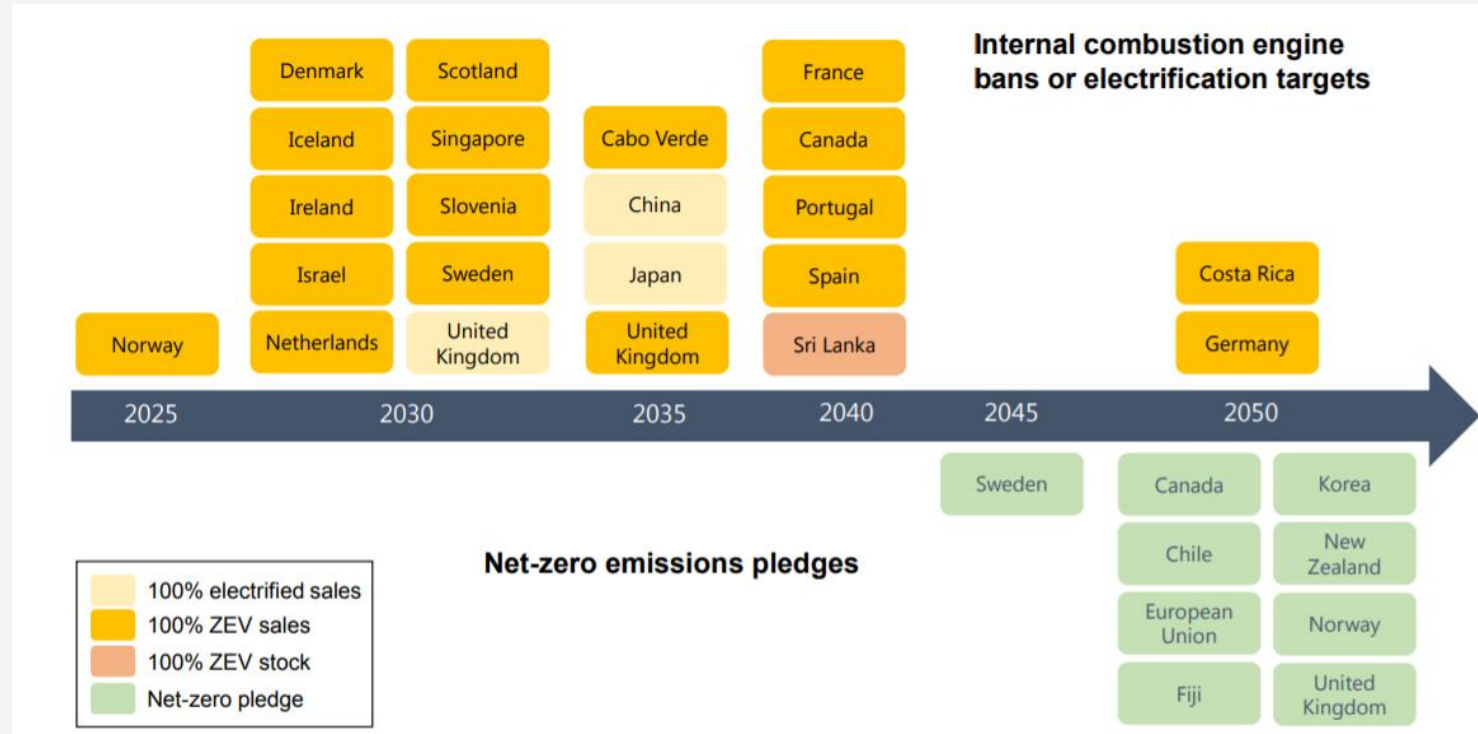
It took the past decade to reach 10 million total EV's to be on the roads globally

By the end of this decade, it is estimated that 150 to 200 million EV's will be on the roads globally



Source: IEA 2019 WEO

# What governments have been announcing to lower their ground transportation CO<sub>2</sub> emissions



Source: IEA 2019 WEO



# Welcome to the Next Chapter

Multiple opportunities for Company advancements during the age of energy transformation

Advancing Lithium development & production scenario's under low carbon footprint plan

Capturing waste heat from PV sources to be used in mining, utility scale solar, commercial and residential opportunities



Pre Covid-19  
projections for world  
lithium demand.

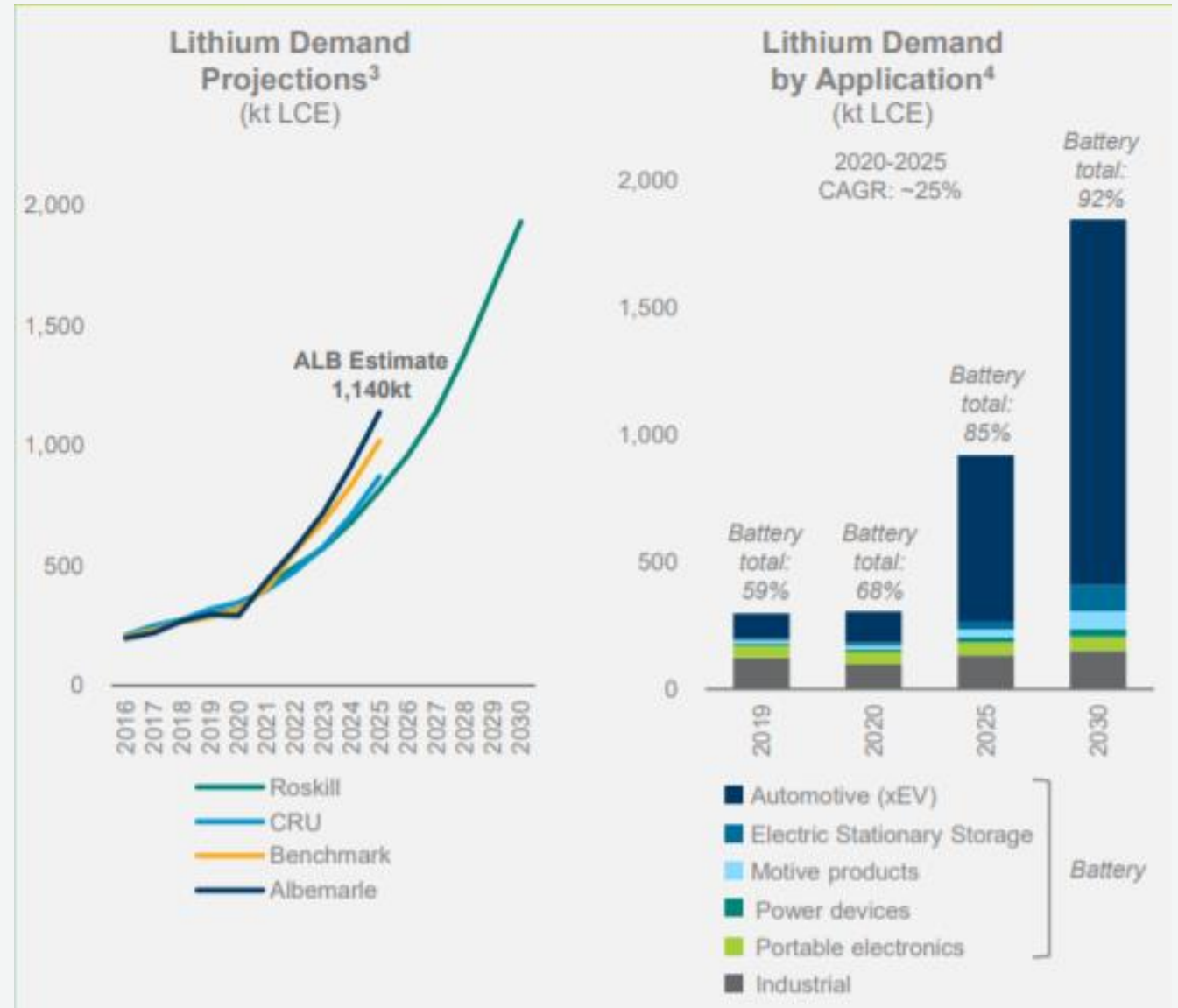
Notice how growth  
year over year  
continues to be  
revised upward as the  
world transitions to EV  
transportation.





# Lithium LCE estimated demand numbers post 2020

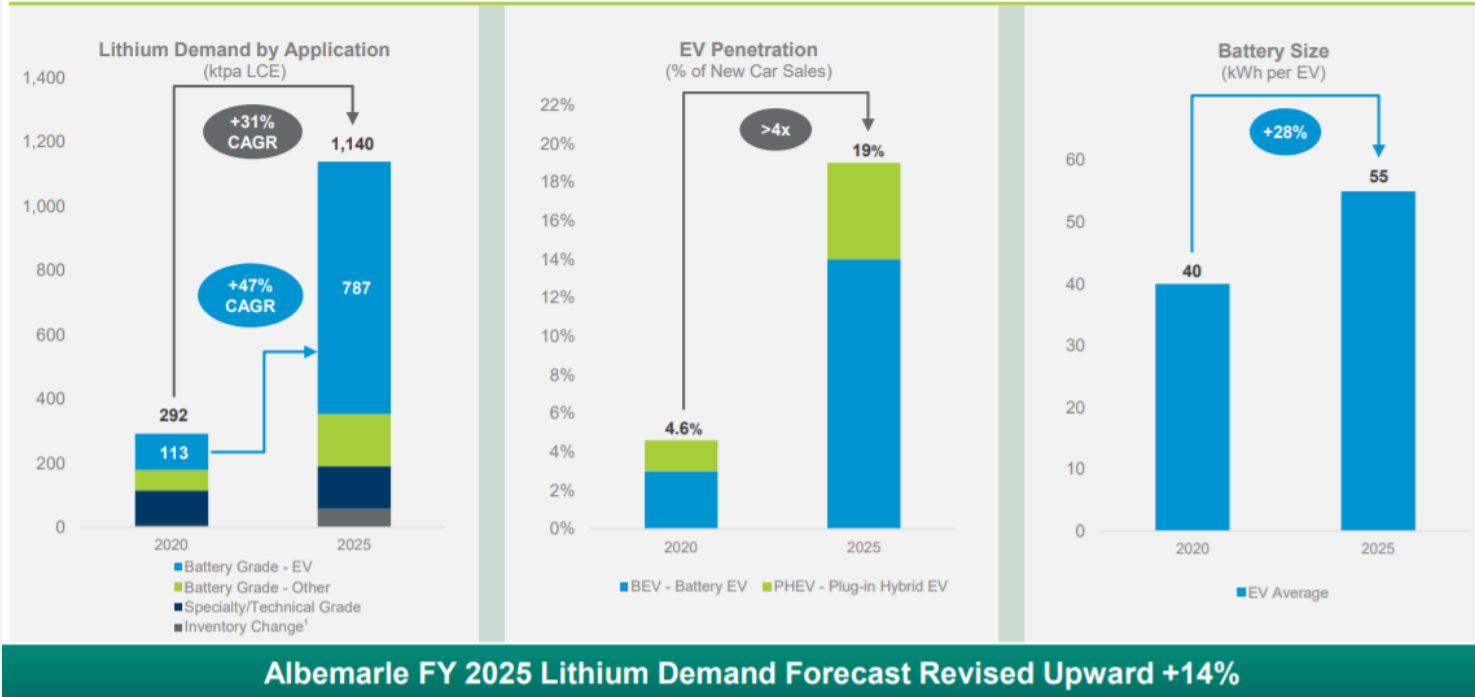
Even Covid-19 did not slow down the demand growth of Lithium LCE as the transition to EV's accelerates.



May 2021 & Albemarle is moving its demand forecasts higher once again!

The two main reasons why are because EV market penetration continues to rise faster than expected & battery size per kwh/per EV continues to increase.

## Albemarle Lithium Demand Forecast Revised Upwards



# Enertopia Li Project Location Nevada State Map

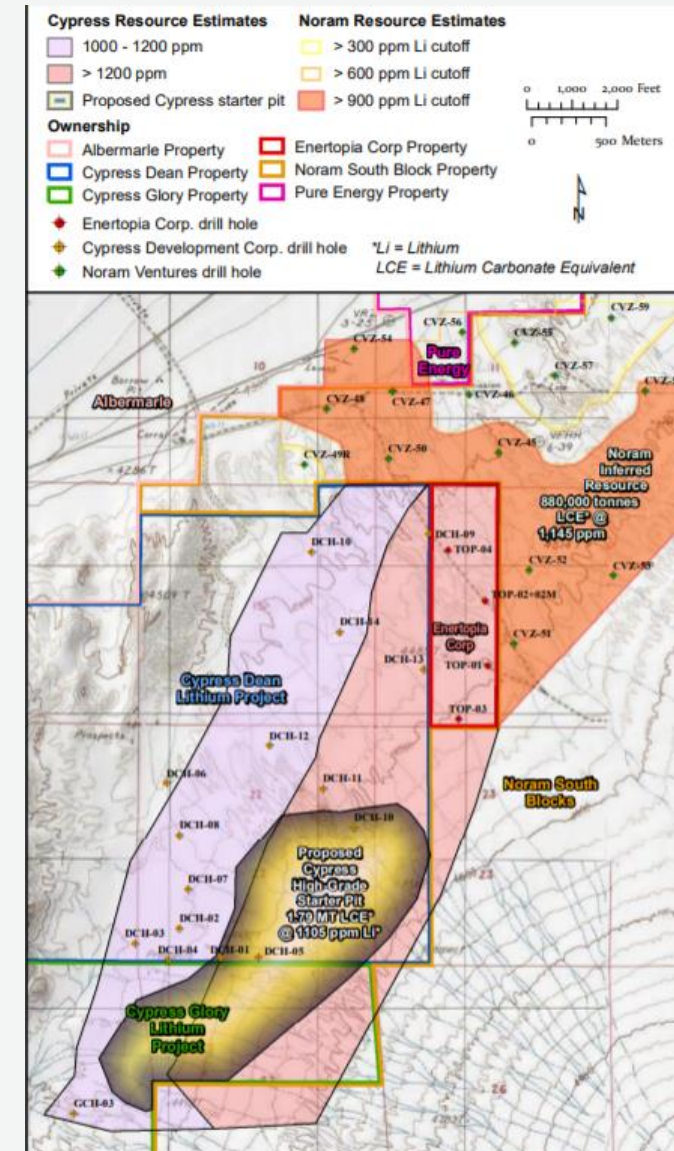
Enertopia currently controls 100% of approximately 160 Acres of Placer and Lode Claims in Clayton Valley, Nevada subject to a 2% NSR





# Enertopia Project Location

- Enertopia project outlined in red, near paved highway and power.
- Within 1.5 miles of Albemarle's producing brine mine
- 3<sup>rd</sup> party drilling by Cypress Development adjacent to our western boundary has resulted in a PEA Report dated Sept 4, 2018 defining a high-grade starter pit of 1,790,000 tonnes of LCE (lithium carbonate equivalent) at a grade of 1,105 ppm li
- 3<sup>rd</sup> party drilling by Noram Ventures adjacent to our Eastern boundary has resulted in a near surface resource of 880,000 tonnes of LCE (lithium carbonate equivalent) at a grade of 1,145 ppm li as reported in their 43-101 dated Mar 28, 2019.



# Excerpt from Enertopia Corporation's 2020 43-101 Resource Report

Indicated Mineral Resource			
	400 ppm Li Cutoff	700 ppm Li Cutoff	1,000 ppm Li Cutoff
<b>Tonnage</b>	<b>81,732,150</b>	75,951,000	59,534,100
<b>Average Grade ppm</b>	<b>1121</b>	1160	1247
<b>LCE Tonnes</b>	<b>487,887</b>	469,115	395,102
Inferred Mineral Resource			
	400 ppm Li Cutoff	700 ppm Li Cutoff	1,000 ppm Li Cutoff
<b>Tonnage</b>	<b>18,165,600</b>	17,252,100	15,999,300
<b>Average Grade ppm</b>	<b>1131</b>	1156	1170
<b>LCE Tonnes</b>	<b>109,410</b>	106,186	99,646

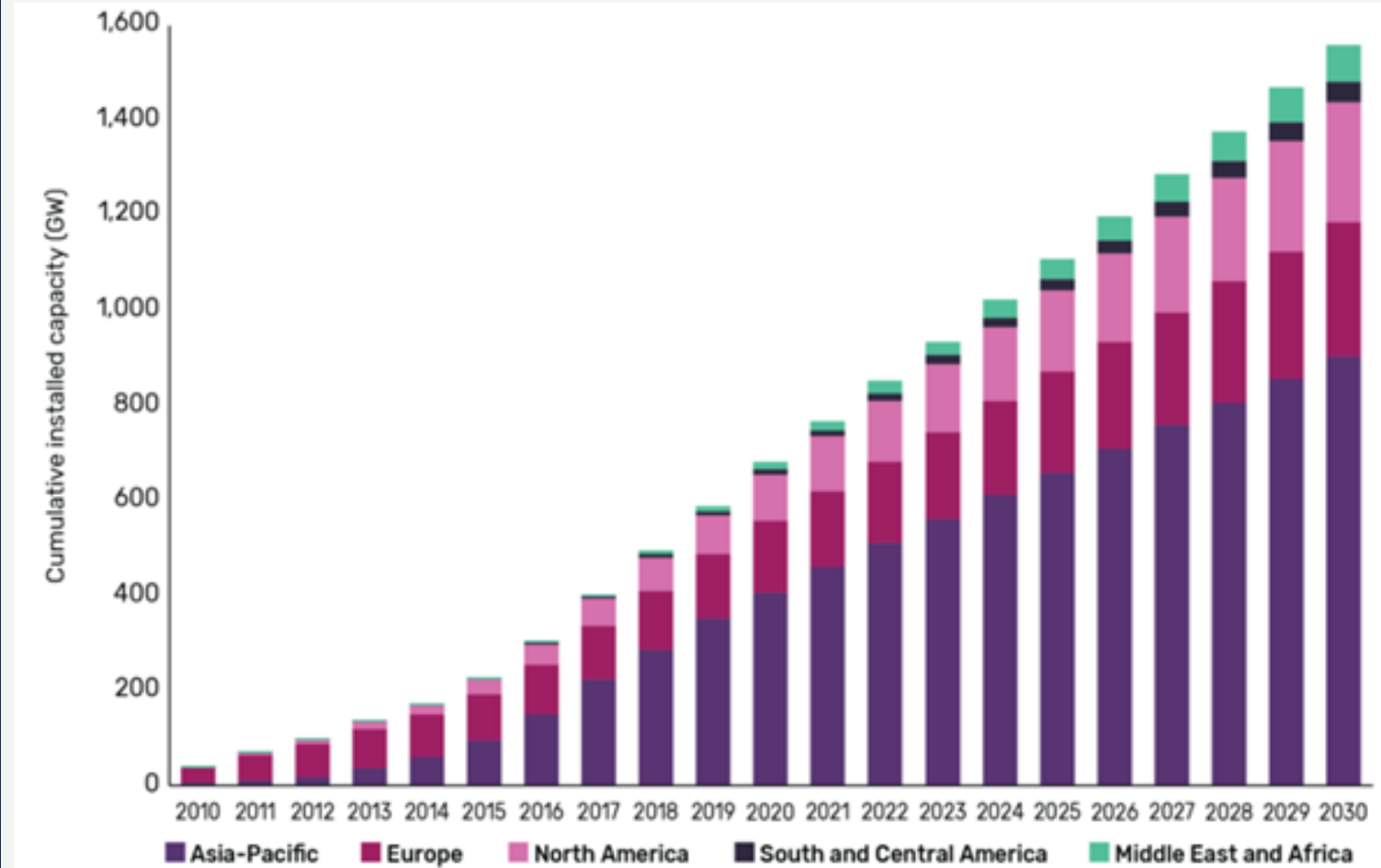
# Strategic location for Project and Technology Advancement

- Project is road accessible and only minutes from paved highway.
- Little or no overburden to start mining.
- Initial leach tests indicate that a large portion of Lithium contained in lithium-rich sediments at and near surface can be leached, producing lithium enriched synthetic brine.
- Testing continues on ways to lower capex and carbon footprint.



## World estimated Cumulative Installed Solar PV 2010 - 2030

Industry growth is even faster than the forecasted predictions, with growth rates now indicating over 2.0 TW of solar PV power by 2030.



Source: Researchgate.net

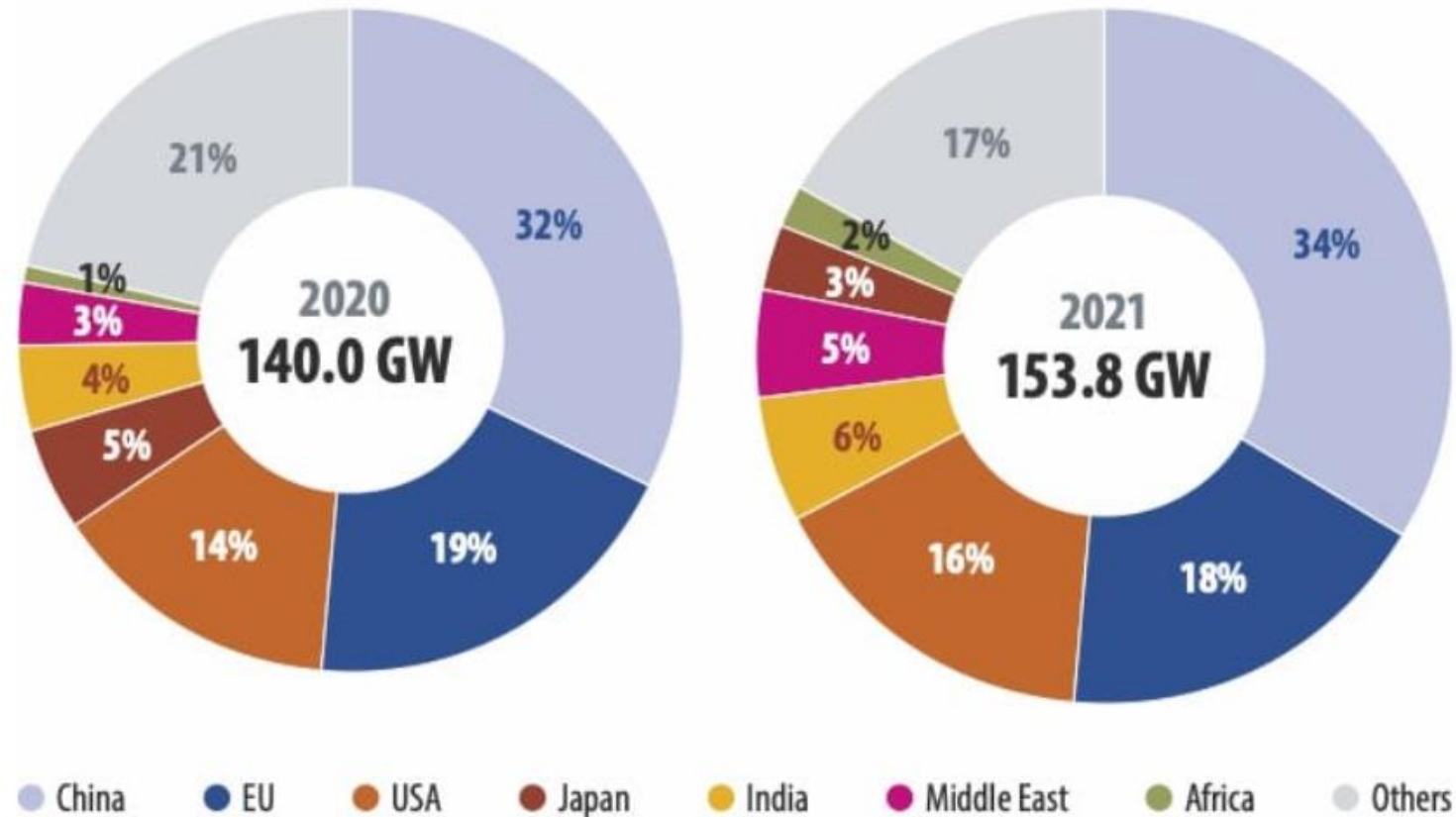
## Current World Solar PV demand

It took the World over 40yrs to reach total installed capacity of 140GW.

Now we have reached the point of adding this number every year!

Module demand forecast for 2020 and 2021

Source: PV InfoLink



Source: PV-magazine.com

# Provisional Patent Application # 1

On May 25<sup>th</sup> 2021  
Enertopia announced  
the filing of its first  
provisional patent  
(Solar Heat Absorber  
technology) on  
removing waste heat  
from PV modules

## Key Takeaways from Provisional Patent Application # 1

- Lowers the potential for loss of PV output due to panel overheating
- Lowers estimated cost of annual maintenance
- Captures heat energy to be used in multiple applications depending on location
- Raises PV System Output
- Extends PV Module Life



# Provisional Patent Application # 2

On May 26<sup>th</sup> 2021

Enertopia announced the filing of its second provisional patent (Solar PV Heat Extraction Technology) on removing waste heat from PV modules

## Key Takeaways from Provisional Patent Application #2

- Creates a safe method with close couple to solar PV modules to extract maximum heat transfer
- Much higher output than other technologies
- Raises PV and thermal energy production
- Extends PV Module life
- Universal Design to interface with other technologies

# Provisional Patent Application # 3

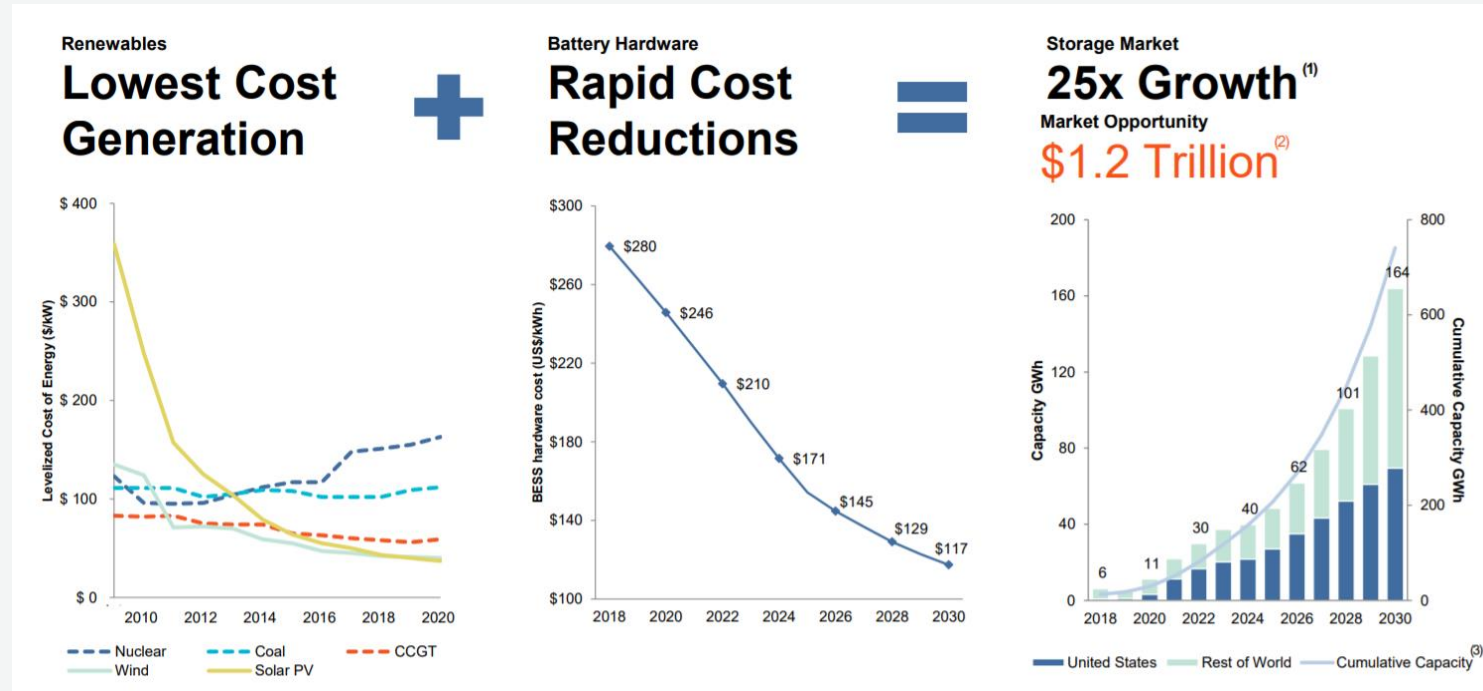
On August 17<sup>th</sup> 2021 Enertopia announced the filing of its third provisional patent Enertopia Atmospheric Water Generator or (Enertopia Rainmaker) on capturing atmospheric moisture from PV modules.

## Key Takeaways from Provisional Patent Application #3

- Creates a safe method with close couple to solar PV modules to extract maximum heat transfer
- Cooling the PV panel to dew point allows for water capture
- Extends PV Module life
- Universal Design to interface with other technologies

# Three of the biggest factors transforming how we create store and use energy going forward

- Renewables falling cost per kw/h
- Falling cost of battery storage
- Growing opportunities for energy storage



Source: stem.com



# Mining Consultants

**Dr. John Thomas — Technical Advisor** - 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.

**Kristian Ross**- Brings over 40yrs of North American experience on grass roots and brown field project development to aid Enertopia on the mining side.

# Clean Energy Consultants

**Mark Snyder:** Solar expert, professional inventor, forensic electrical expert, master electrician, biogas waste to energy, recycling expert, and organic farming expert 42yrs in the fields of solar PV, Thermal, heat recovery, water pumping, sustainable agriculture and water management.

**Al Rich:** Inventor of the original megamat and inventor on provisional patent application number 1. Al has over 35 yrs in the solar thermal industry using solar heat recovery technology.

**Barry Brooks:** Mechanical Engineer, inventor on provisional patent application number 2. Barry has over 50 years of engineering experience has developed dozens of energy efficient products & ventilation methods for commercial applications.

# Management

## **President, CEO and Director: Robert McAllister**

Mr. McAllister has served as President of Enertopia since November 2007 and as a Director since April 2008. Mr. McAllister was responsible for Investor Relations and Corporate Communications for publicly traded mining and oil & gas listed companies. 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.

# President's Message



Photo of President at TOP-03 location

“We look forward to bigger steps in 2022 and beyond as we move forward on our Lithium project and advance on our clean energy technology plans ”

Stated President Robert McAllister

## **The Qualified Person:**

The project technical data in this presentation have been reviewed by Douglas Wood, P.Geo., a Qualified Person under the terms of NI 43-101.



# CONTACT INFORMATION

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Kelowna, BC  
V1Y 4R2

## Share structure

Share Structure	November 2021
Issued and Outstanding	142,002,700
Warrants	6,473,369
Options	10,076,776
<b>Fully Diluted</b>	<b>158,552,845</b>

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