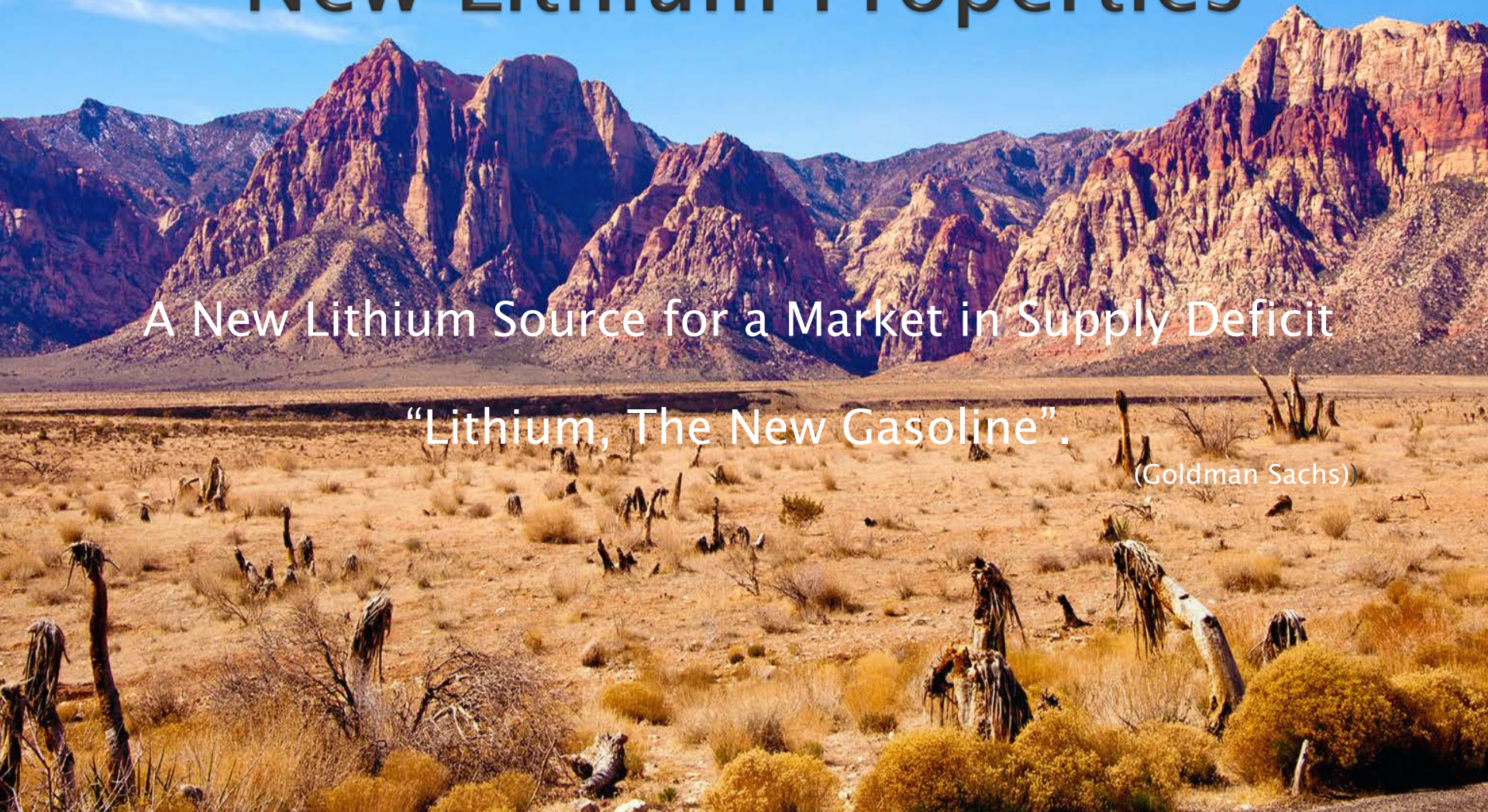


Introducing Northern Iron's New Lithium Properties

A New Lithium Source for a Market in Supply Deficit

“Lithium, The New Gasoline”.

(Goldman Sachs)



A Market in Supply Deficit

“LITHIUM is hot and it would stay like that for years to come as we are experiencing a structural shift in energy storage and consumption especially in the automotive sector.

A new lithium mine would be needed each year to fill the demand/supply gap.

Other than a few good hard rock/pegmatite projects the cheaper and easier to mine lithium brine projects will provide the bulk of the supply.”

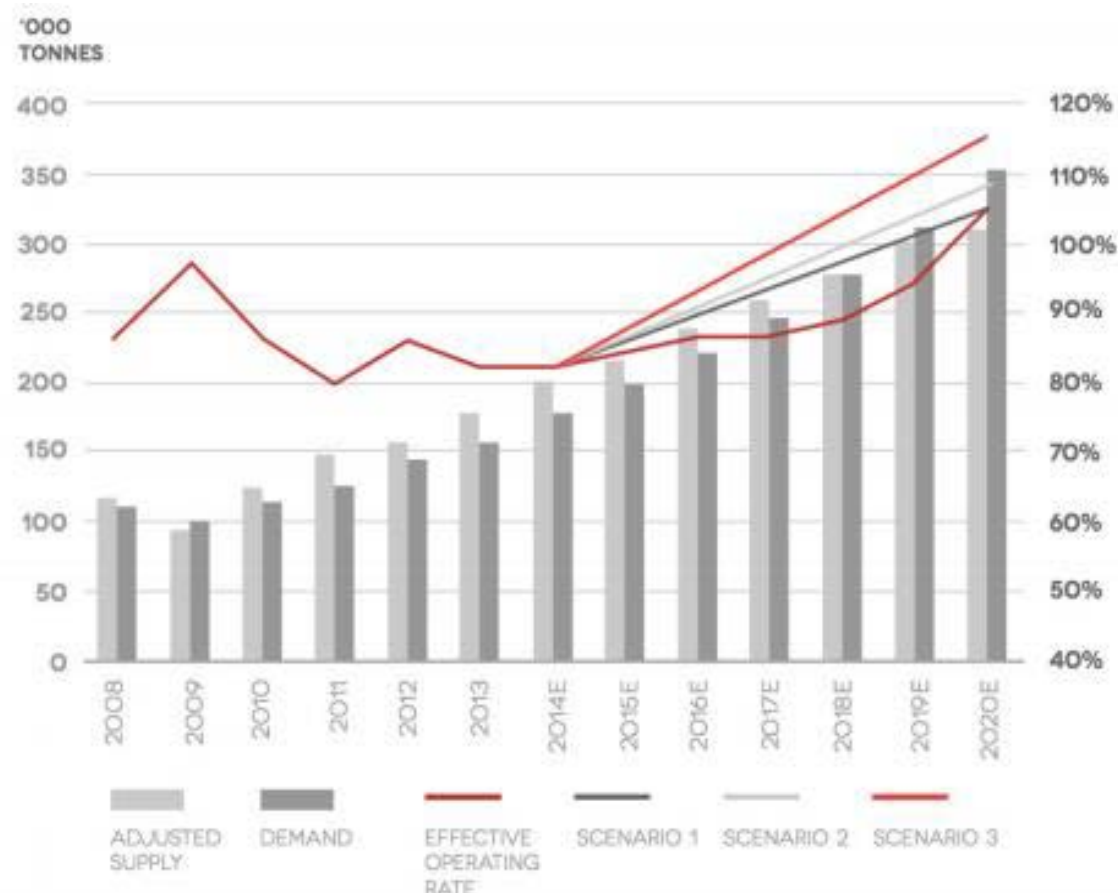
The Case for Lithium

- ▶ Rapidly growing but immature market
- ▶ Overlooked EV opportunity in China
- ▶ Strategic locations close to US demand and growing supply deficit
- ▶ Proven brine locality
- ▶ Untapped lithium brine properties
- ▶ Fast track to production
- ▶ Low cost production
- ▶ World class infrastructure
- ▶ Can be worked year round
- ▶ One of the world's best mining jurisdictions
- ▶ Lithium experience

Growing Global Demand for Lithium will Continue for Next Decade

- Global demand is ~200 tpa.
- Expected to double by 2020
- Key Driver - battery demand
- Lithium Carbonate Equivalent expected to be priced a \$8,000 per tonne by 2020
- Tesla's Gigafactory will require 27ktpa

Source: Canaccord



Nevada production gives us
A \$500 per tonne cost advantage
in an undersupplied market

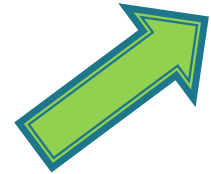
Source: Cormark Securities

Growing Global Demand for Lithium will Continue for Next Decade

- ✓ All major segments experiencing YOY growth
- ✓ Lithium is not commoditized
- ✓ Lithium price increased 47% in 2015
- ✓ Price over 3 years has increased from \$5,500 to \$13,000 per tonne

EVs and personal transport

- ✓ 40– 80 kg per car
- ✓ EV sales up 70% YOY
- ✓ China targeting 5,000,000 EV by 2020
- ✓ 1% improvement in penetration pf EVs
= 70,000 tonnes Li_2Co_3



20–30% CAGR
Underestimated

Consumer Electronics



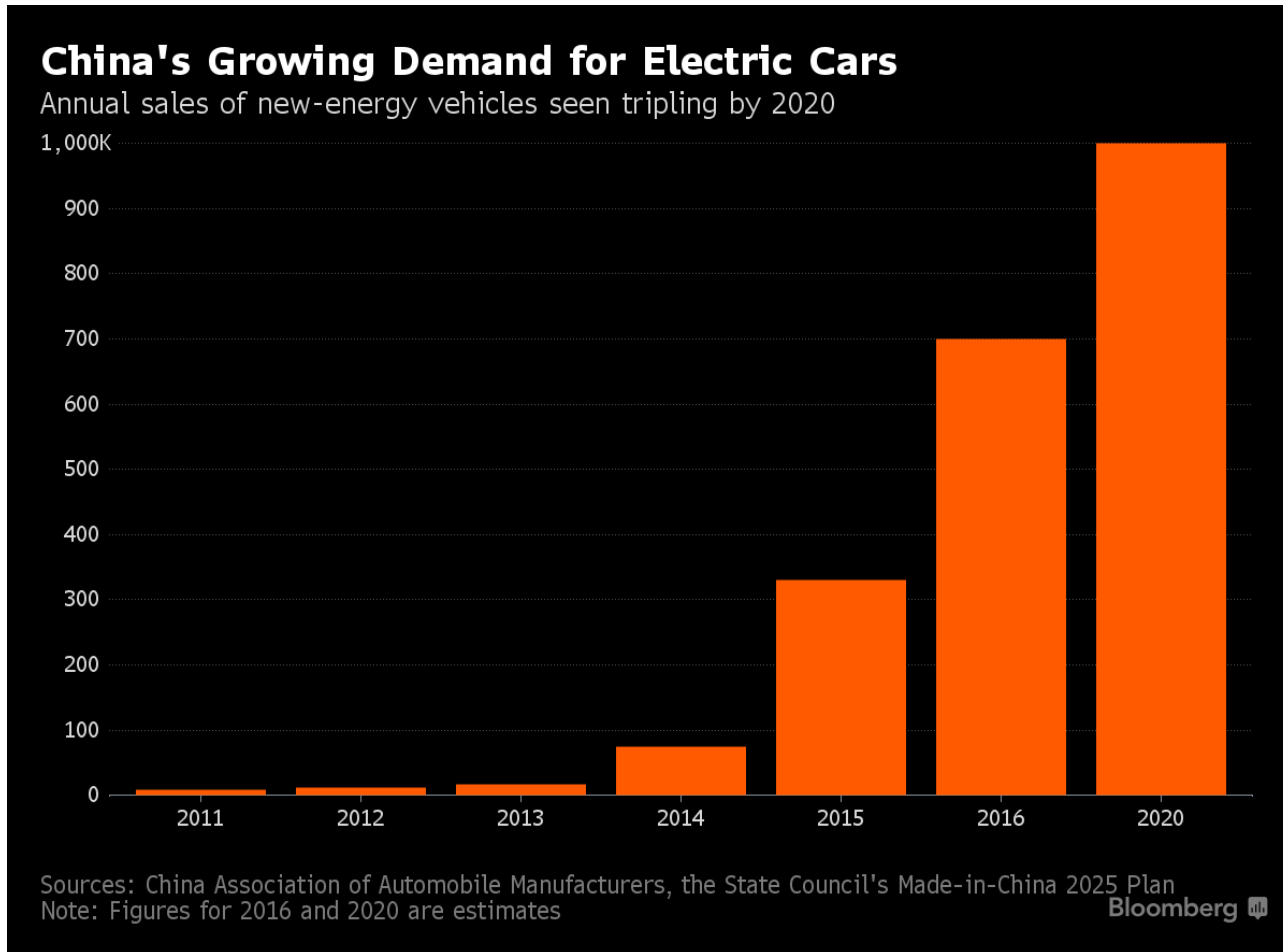
8–10% CAGR

Energy Grid



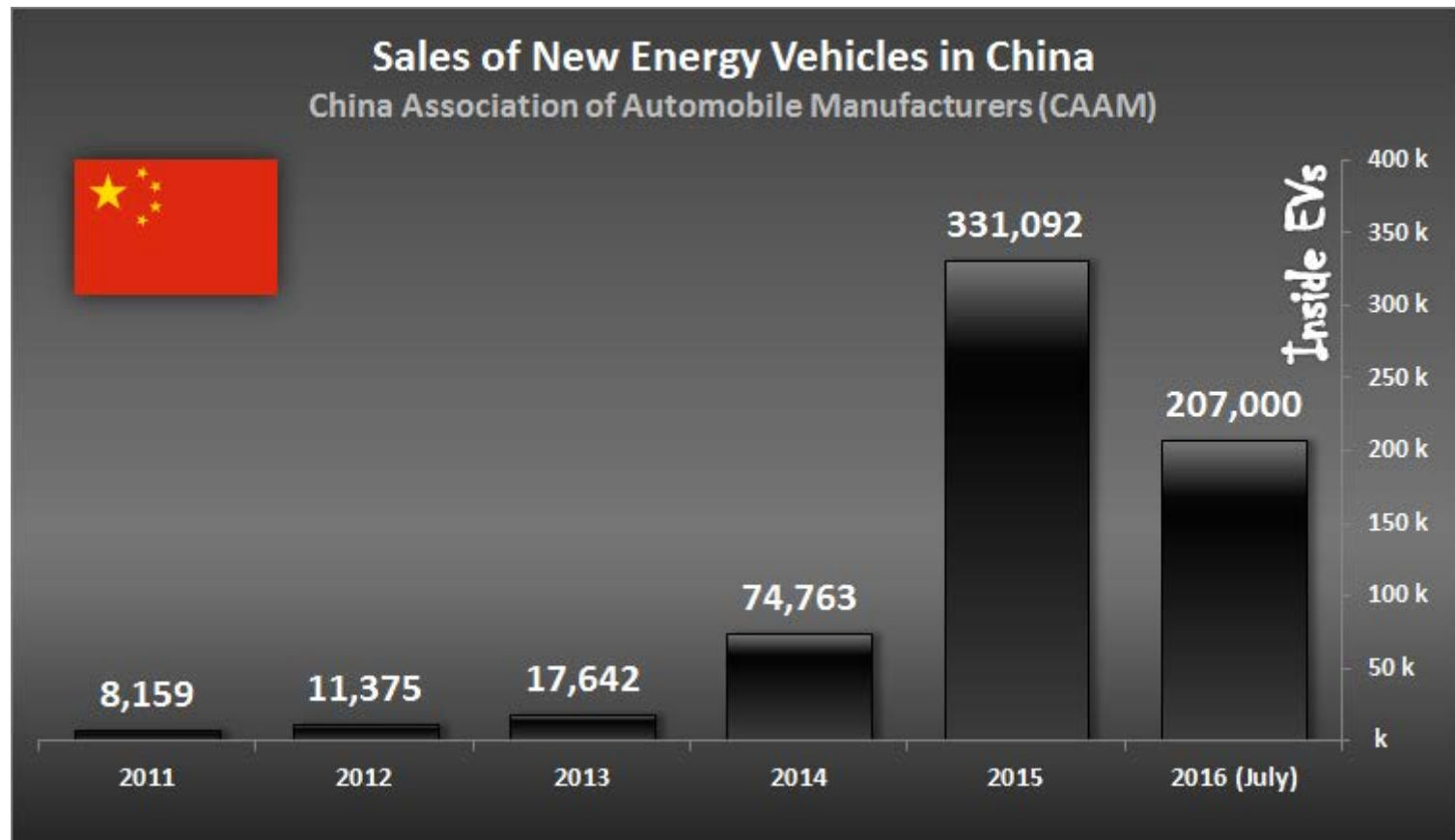
30% CAGR

China is the game changer

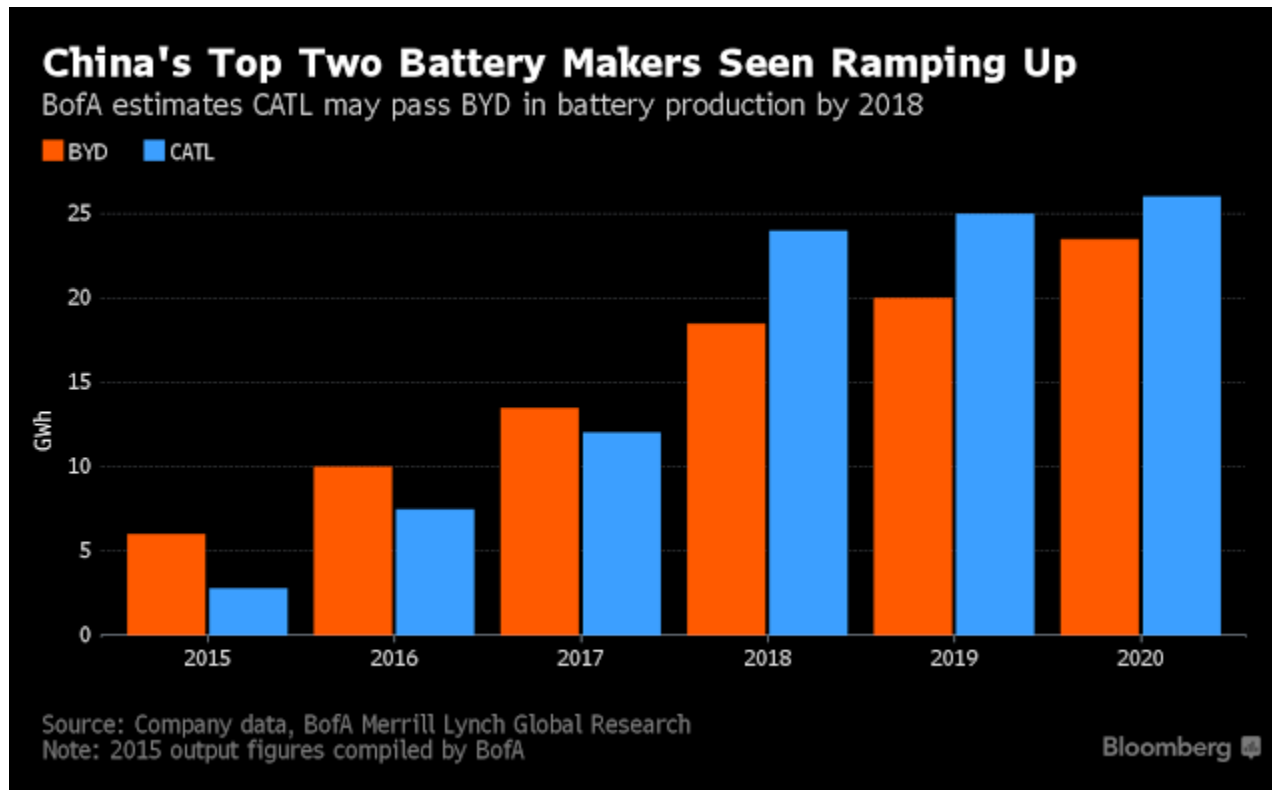


Chinese demand is necessitated by a clean air imperative
China's New Energy Plan

What China wants, China usually gets!



While the US waits for Tesla, China leads the way!



There are already 25 companies in China making 51 models of EVs and 200 companies are developing 5000 models.

Source: China AutoWeb

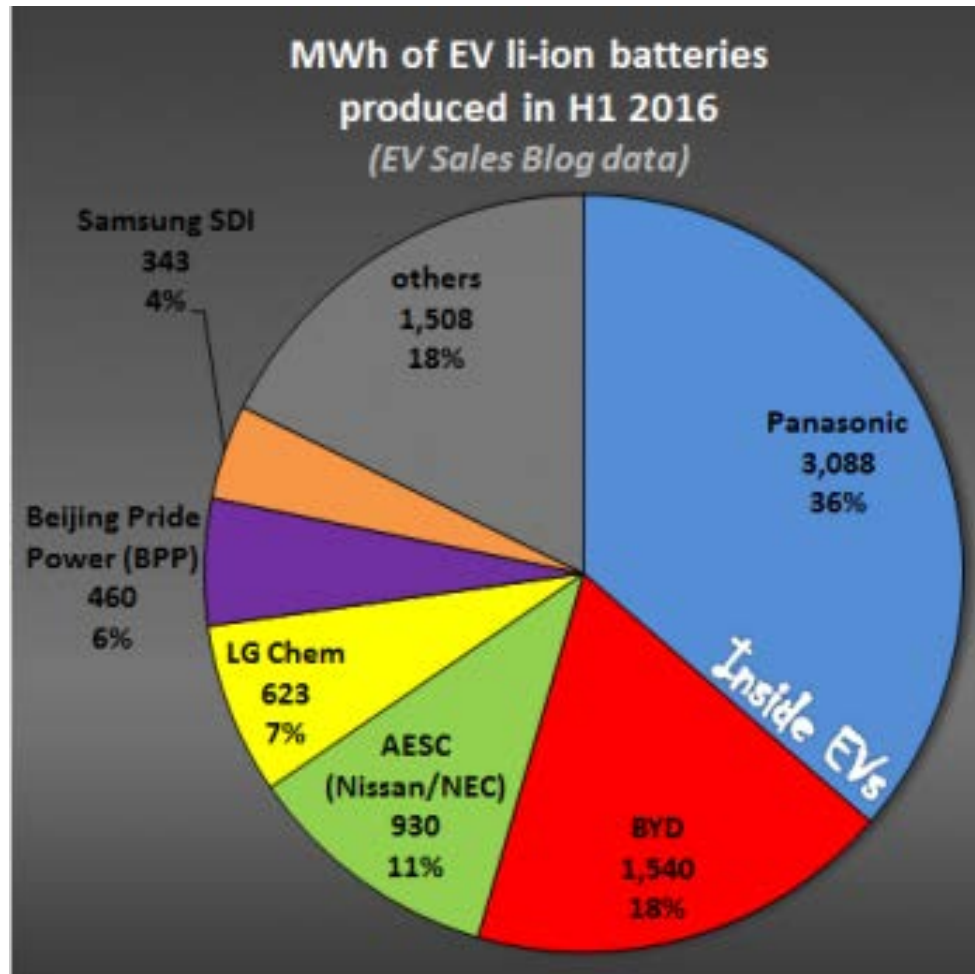
Chinese EV sales – 2015!



Deliveries of pure-electric cars in 2015

Rank	Models	Manufacturers	Sales
1	Kandi EV	Kandi	16736
2	BAIC E-Series EV	BAIC	16488
3	Zotye Z100 EV	Zotye	15467
4	JAC iEV	JAC	over 9000
5	Chery eQ	Chery	7262
6	BYD e6	BYD	7029
7	Zotye E20	Zotye	6385
8	Zhidou D2	Zhidou	3777
9	Kandi Panda EV	Geely-Kandi	3654
10	DENZA EV	BYD-Daimler	2888
11	Zhidou D1	Zhidou	2387
12	Zotye TT EV	Zotye	1984
13	BYD e5	BYD	1426
14	Venucia e30	Dongfeng-Nissan	1273
15	Zotye E30	Zotye	572
16	Dongfeng E30L	Dongfeng	511
17	Roewe e50	SAIC	412
18	BAIC ES 210 (Senova EV)	BAIC	243
19	BAIC EU 260 (Senova D50 EV)	BAIC	159
20	BYD T3	BYD	106

Asian battery makers already lead!



More megafactories....

... The lithium ion megafactories are coming

- Over \$20bn committed to creating lithium ion battery megafactories
- These are new or expanding cell plants going from megawatt to gigawatt capacity



Highly Prospective Assets– Nevada

Jackpot Lake -Moapa Valley Nevada

- 2800 acres - 140 claims;
- 35 km NE of Las Vegas;
- 1976 USGS completed 129 core samples;
- Spectrographic and atomic-absorption analyses of 135 stream sediment samples confirmed potential for lithium mineral deposits;
- Clay mineral deposits have been mined in the Muddy Mountain area;
- Highest Lithium value was 550ppm, average 175 ppm.



Large, 100% Owned Resource Area

- 2800 acres
 - Closed system
 - We have the whole lake.
- ▶ Virgin resource
- ▶ Highly analogous to Clayton Valley lithium deposit



World Class Location and Infrastructure

- ▶ 35 miles from Las Vegas
- ▶ Power
- ▶ Roads
- ▶ Skilled Labour
- ▶ Arid and suitable for year round exploration and production
- ▶ Closed basin
- ▶ Geothermal and brine aquifers

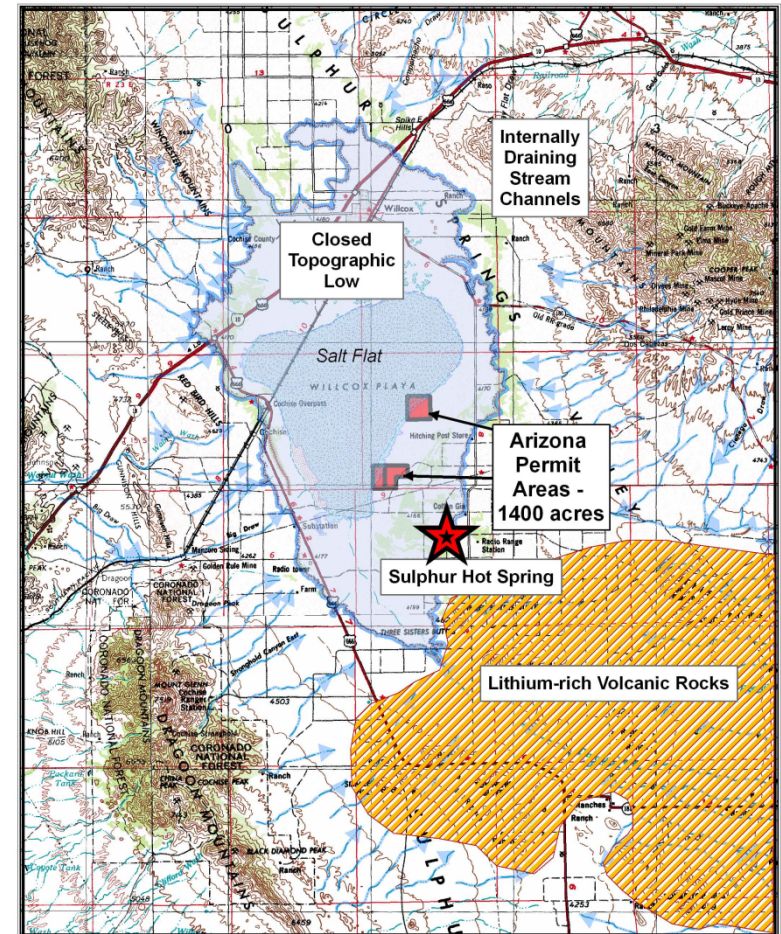


Highly Prospective Assets – Arizona

Wilcox Playa – Arizona Brine Prospects

- 1400 acres on shore of Wilcox Playa – Dry lake bed
- In 1976 USGS identified this area as one of the most prospective locations for lithium brines and highly analogous to Clayton Valley
- USGS has identified a 22 sq. mile Anomaly with high electrical Conductivity, interpreted as subsurface brine field with no hydrological outlet.

Willcox Playa - Lithium Brine Prospect
Cochise County, Arizona



Willcox 1" x 2" Sheet
USGS Topographic Map

2 1 0 2 4 6 8 10
Miles

Figure 2 - Lithium Source Rocks

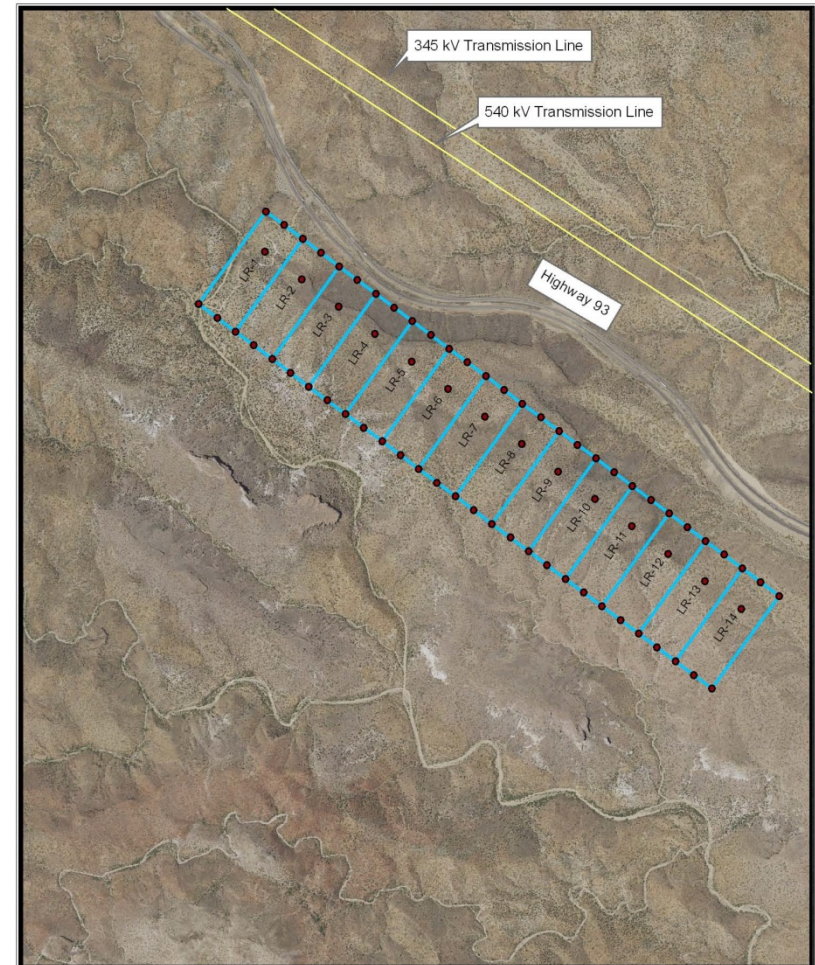
Timothy M. Marsh, PhD, P.E.
May 10, 2016

Highly Prospective Assets–Arizona

"LR" Claim Block
Yavapai County, Arizona

Little Rock Lithium Target Yavapai County – Arizona

- High grade, lithium rich lacustrine clay
Similar to Hector Mine
and Kramer Mine, Barstow
California.
- Target is 2500 metres along strike
~ 20 metres thick
- Identified via electromagnetic
survey in 2007
 - Large, highly electrically
conductive body
 - Clay-altered rhyolite tuff.
- Grab sample 172 ppm Li
 - Clayton Valley sediments are
between 73 and 220ppm



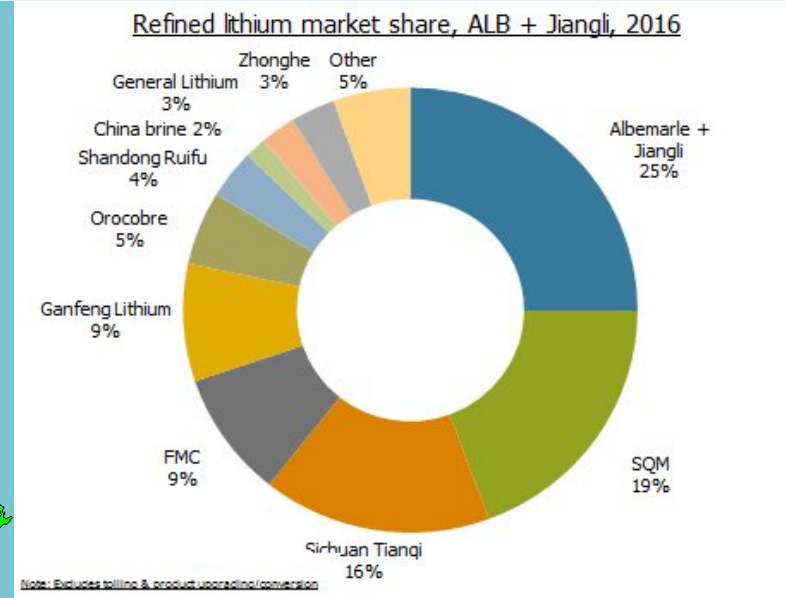
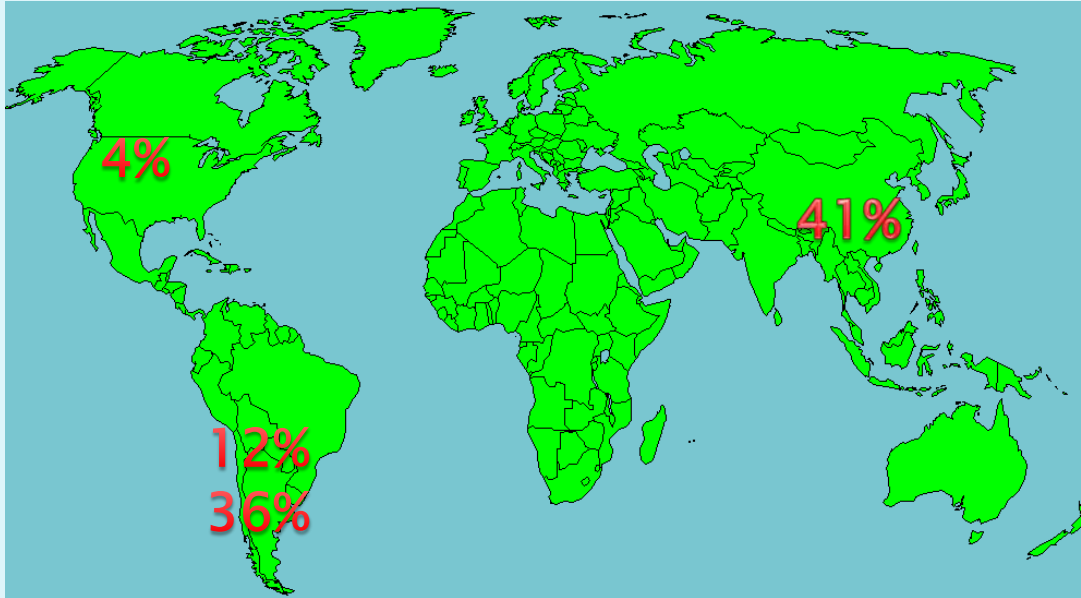
Arizra Mountain NE 7.5'
USGS Topographic Quadrangle Map
UTM grid NAD83 Zone 12 meters

200 100 0 200 400 600 800 1,000
Meters



Timothy M. Marsh, Ph.D., P.E.
March 4, 2016

Worldwide Production Falls Short of Demand

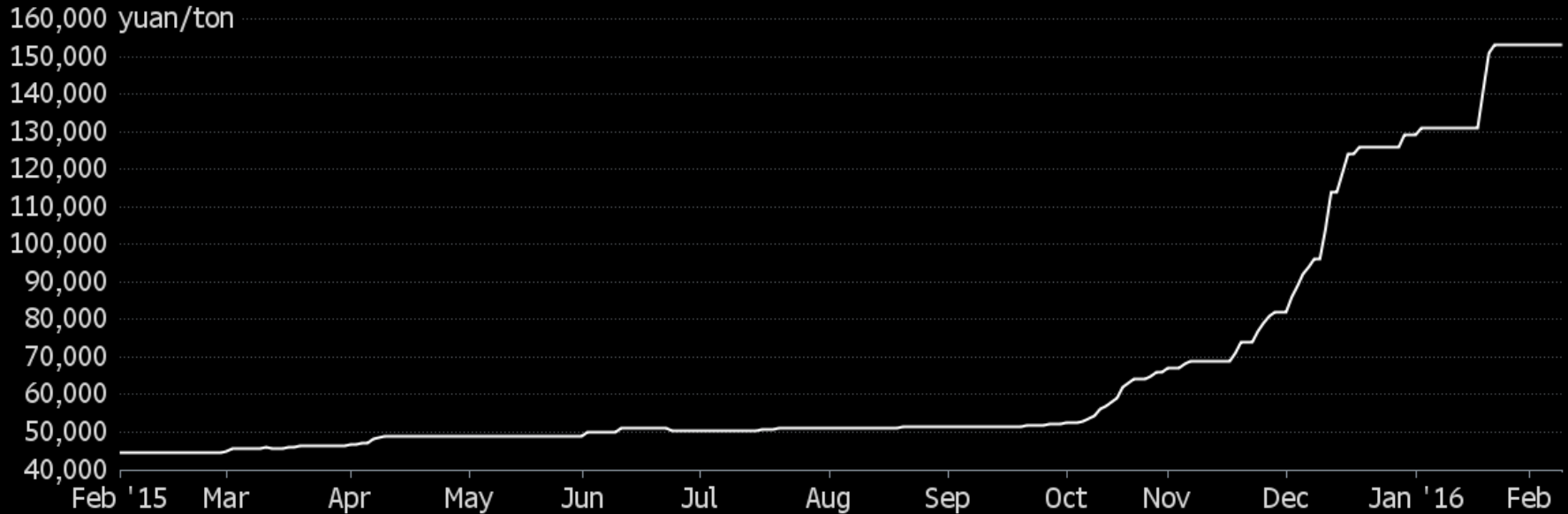


- 85% of world production is from only 4 producers
- Lithium market is small +/- 200,000 tpa
- Demand is growing faster than supply

Price is being driven by Chinese demand.

Lithium's Price Leap

Lithium carbonate prices jumped about 250 percent in China in the year to February



Source: Asian Metal Inc.

Bloomberg 

Fast Track to Production



▶ Brine advantages

- ▶ Lower cost – 61% of world production s from brine
- ▶ Cheaper and easier to explore
- ▶ Shorter time to production– +/- 3yrs
- ▶ Not reliant on new technology for separation

Comparables

Company	Capital Structure	Share Price 29.07.16	Property Location	Size/ Acreage	Stage	Results
Northern Iron (NFE- TSX:V)	135,727,870 shares \$5.43 million Mkt Cap	\$0.045	Moapa Valley, Nevada Wilcox Playa, Arizona	2800 1400	Unexplored	N/A
Iconic Minerals (ICM - TSX:V)	63,937,143 Shares \$22.4 million Mkt Cap	\$0.35	Bonnie Claire, Nevada	-	Geophysics complete	Brine up to 500pm located
Albermarle (ALB:NYSE)	112,297,329 Shares US\$9,438 million Mkt Cap	US\$ 84.05	Clayton Valley	-	In production	870 tonnes per year
Lithium X Energy (LIX- TSX:V)	60,538,202 Shares \$123.5 million Mkt Cap	\$2.04	Clayton Valley Argentina	15,020	Unexplored	N/A
Pure Energy (PE-TSX-V)	66,226,056 Shares \$56.3 million Mkt Cap	\$0.85	Clayton Valley	9,324	NI-43-101 report	816 tonnes inferred resource
Neo Lithium	65,070,000 Share \$124.3 million Mkt Cap	\$1.91	Argentina	300 sq km	225 surface samples	Up to 4000 mg per litre

Next Steps



- ▶ Geophysics
- ▶ Drill Test Wells
 - Horizontal drilling option
- ▶ Brine Analysis
- ▶ Bulk sampling and production

Capital Structure

NFE

TSX:V

Listed Nov 2011

Share price (July 29 th 2016)	0.045	High/Low 52 weeks	0.005–0.06
Shares issued	135,727,875	Fully diluted	158,850,875
Warrants	19,048,000	Options	4,075,000
Average Volume	245,160	Market Cap	\$6.1 million

Investment Opportunities

▶ Basil Botha – President and CEO

- Mr. Botha was chairman of Lithium Americas when the company went public in 2010. The properties held by Lithium Americas were lithium and potash brines in Jujuy Province of Argentina.
 - Has extensive knowledge of the minerals and metals markets in Europe, Japan, Taiwan and South Korea where he supplied lithium and spodume to the ceramics and glass industry from Bikita Minerals, Zimbabwe. Bikita Minerals together with the Greenbushes mine in Australia are the largest hard rock lithium mines in production.
 - Currently CEO and Chairman of Latin American Minerals
- ▶ T 604-602-9868
- ▶ E bbotha@northernironcorp.com

▶ Michael Hepworth – VP Corporate Development

- Mr Hepworth has more than 35 years of international business and corporate development experience.
 - Currently he is President and CEO of Firesteel Resources and Executive Director of Latin American Minerals
- ▶ C 416-419-5192
- ▶ E mhepworth@northernironcorp.com