

Independent company research and estimated
fair value

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Introduction

Lithium Power International (“LPI”) is the majority owner of the Minera Salar Blanco S.A. JV (“MSB”) with its main asset, the Maricunga lithium brine project, located in Chile, 3750 metres above sea level and 160 kilometres from the city of Copiapo near the Argentinian border. The JV has three shareholders, LPI (51%), Minera Salar Blanco, also known as Minera, (31%) and Bearing Lithium (18%). **The vast majority of LPI’s valuation is its stake in the MSB, the central focus of this report, however, the company also has highly prospective exploration tenements in Western Australia (currently drilling at Tabbatabba) and Argentina.**

Since joining the MSB in 2016, LPI has injected \$31m in staged payments, facilitating the accelerated development of the project using Tier 1 consultants to definitive feasibility stage by January 2019. These factors make the JV the most advanced undeveloped lithium project in Chile.



Figure 1: Maricunga project location in the Lithium Triangle in Chile (LPI Company Reports)

MSB assets consist of 2,563 hectares of mining concessions, the new code tenements (Litio 1-6) represent 1,438 hectares and the remaining old code tenements 1,113 hectares (Figure 2). CODELCO owns 2,700 hectares, all of which are old code land. The other tenement holders in the Salar, including SQM, own new code land meaning that to exploit those concessions a CEOL is required.

In March 2018 CODELCO, a state-owned company was granted the exclusive rights to exploit all the new code tenements constituted under the 1983 Chilean mining law in the Salar de Maricunga by the outgoing Bachelet government.

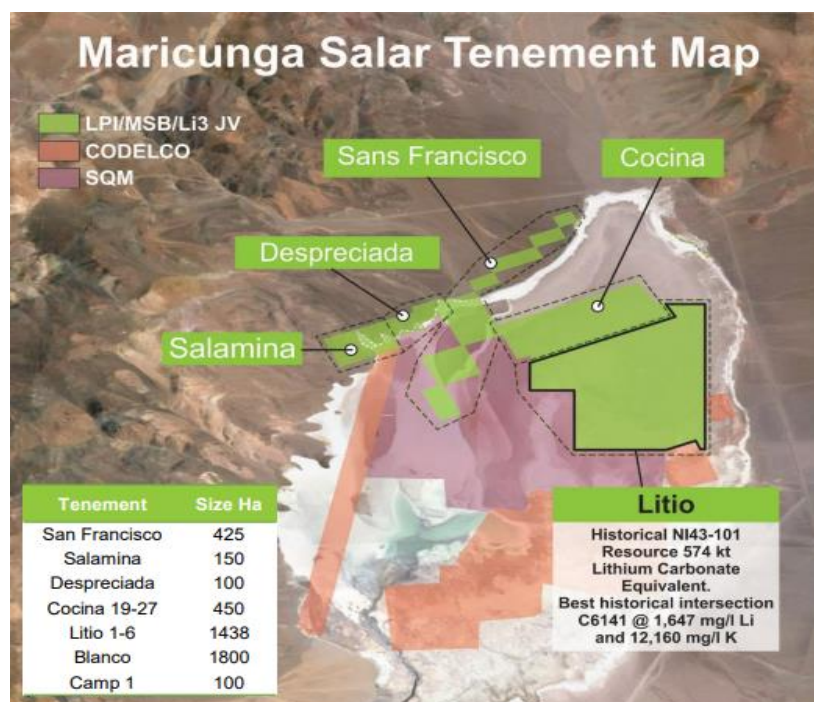
CODELCO has a long and successful history

in copper mining and limited to no interest in lithium mining. This reality is why, during July 2019, MSB

signed a non-binding MOU with CODELCO to form a new company (“Newco”) to own and develop their tenements jointly. The MOU is non-binding and is subject to mutual due diligence and, more importantly, both parties await MSB securing approval for its environmental impact assessment (EIA). The EIA approval is expected in Q4 2019: approximately a year after its submission. There were no disclosures regarding the potential split of ownership for Newco.

Notwithstanding, we believe that the addition of CODELCO’s tenements would potentially add 10ktpa of potential lithium carbonate production to the existing 20ktpa project in time. As the capex associated with such a Stage 2 will be lower than the existing project and the mine life similar albeit with a later start date, the expected increase in the enlarged NPV would be ~\$500m. **Apportioning ownership in Newco according to NPV contribution, existing MSB shareholders would receive 66.67% and CODELCO 33.33%.**

On a look-through basis, LPI controls MSB and will control Newco post a JV with CODELCO before capex spending. To raise the equity portion (~US\$282m) of the required capex (US\$563.4m), Newco will likely sell a stake to an offtake/strategic partner. Chile has previously stated its ambitions to host downstream lithium-ion battery cell production and, if these ambitions remain, then it is conceivable CODELCO could retain its share of MSB’s carbonate production.



Lithium Power International Limited ASX: LPI

Figure 2: Salar de Maricunga map (LPI Company Report)

Chile is a highly ranked mining destination; having placed sixth out of 122 locations for both investment attractiveness and best practices in the 2018 Fraser Institute survey.

Figure 3: Investment Attractiveness Index

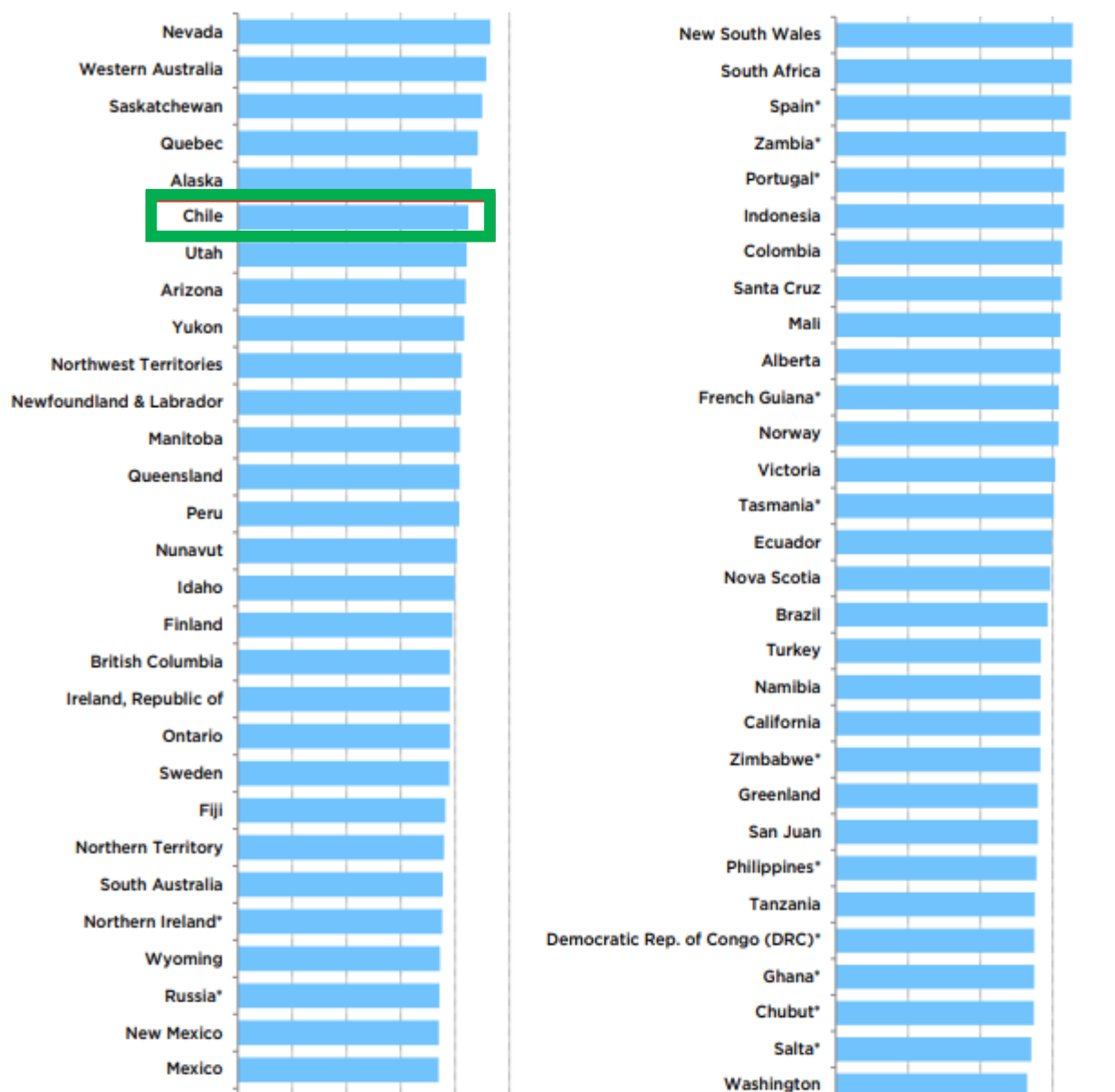


Figure 3: Mining Investment Attractiveness Index Source: Fraser Institute

Albemarle and SQM have been operating in Chile since the 1980s and 1990s and have secured leases from CORFO until 2041 and 2030 respectively. While neither company owns their tenements and pays sliding scale royalty rates (made through lease payments) linked to their export sale price, MSB owns all of its tenements and will not be liable for royalties on its old code land other than standard mining royalties. On its new code land, MSB expects to pay higher royalty rates of ~7%.

| | | | | | | | | | | | |
|---------------------------------------|---------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|
| Argentina | Catamarca* | 61.11 | 42.86 | 44.44 | 40.91 | 75.00 | 43/83 | 78/91 | 85/104 | 98/109 | 21/122 |
| | Chubut* | 66.67 | 33.33 | 31.25 | 46.15 | 59.38 | 26/83 | 85/91 | 97/104 | 90/109 | 62/122 |
| | Jujuy* | 50.00 | 61.11 | 16.67 | 54.17 | 61.54 | 62/83 | 42/91 | 103/104 | 72/109 | 56/122 |
| | La Rioja* | 50.00 | 41.67 | 31.25 | 33.33 | 45.00 | 63/83 | 80/91 | 98/104 | 106/109 | 99/122 |
| | Mendoza* | 50.00 | 20.00 | 36.36 | 40.48 | 44.12 | 64/83 | 89/91 | 95/104 | 100/109 | 102/122 |
| | Neuquen* | 30.00 | 50.00 | 10.00 | 58.33 | 54.55 | 82/83 | 66/91 | 104/104 | 60/109 | 74/122 |
| | Salta* | 45.00 | 56.25 | 60.00 | 52.94 | 73.53 | 70/83 | 54/91 | 59/104 | 76/109 | 28/122 |
| | San Juan | 50.00 | 60.71 | 57.14 | 55.88 | 75.00 | 65/83 | 43/91 | 69/104 | 68/109 | 22/122 |
| | Santa Cruz | 60.71 | 60.71 | 50.00 | 43.75 | 64.71 | 46/83 | 44/91 | 78/104 | 93/109 | 46/122 |
| Latin America and the Caribbean Basin | Bolivia | 50.00 | 29.17 | 53.13 | 50.00 | 55.00 | 60/83 | 87/91 | 73/104 | 78/109 | 73/122 |
| | Brazil | 54.76 | 54.76 | 60.87 | 64.71 | 75.00 | 56/83 | 59/91 | 54/104 | 44/109 | 23/122 |
| | Chile | 82.43 | 82.14 | 63.64 | 77.36 | 80.36 | 9/83 | 7/91 | 49/104 | 11/109 | 6/122 |
| | Colombia | 65.00 | 63.64 | 68.75 | 68.75 | 63.89 | 34/83 | 38/91 | 36/104 | 29/109 | 47/122 |
| | Dominican Republic* | 33.33 | 44.44 | 30.00 | 44.44 | 50.00 | 80/83 | 74/91 | 100/104 | 92/109 | 88/122 |
| | Ecuador | 65.22 | 58.70 | 61.11 | 46.67 | 60.00 | 33/83 | 47/91 | 53/104 | 89/109 | 58/122 |
| | French Guiana* | 60.00 | 45.45 | 58.33 | 42.86 | 50.00 | 47/83 | 72/91 | 63/104 | 95/109 | 89/122 |
| | Guatemala* | 38.89 | 25.00 | 50.00 | 38.89 | 31.82 | 77/83 | 88/91 | 79/104 | 103/109 | 115/122 |
| | Guyana* | 66.67 | 42.86 | 66.67 | 45.00 | 63.33 | 27/83 | 79/91 | 40/104 | 91/109 | 50/122 |
| | Mexico | 75.64 | 61.63 | 65.12 | 67.46 | 77.97 | 17/83 | 41/91 | 43/104 | 34/109 | 12/122 |
| | Nicaragua | 25.00 | 35.00 | 45.83 | 61.54 | 59.09 | 83/83 | 84/91 | 84/104 | 53/109 | 64/122 |
| | Panama | 33.33 | 50.00 | 43.75 | 53.33 | 56.25 | 81/83 | 67/91 | 87/104 | 74/109 | 68/122 |
| | Peru | 82.81 | 77.78 | 76.09 | 70.90 | 80.36 | 8/83 | 14/91 | 17/104 | 25/109 | 7/122 |
| | Suriname | 65.00 | 57.14 | ** | ** | 50.00 | 36/83 | 53/91 | ** | ** | 90/122 |
| | Venezuela | 46.15 | 60.71 | 46.43 | 53.13 | 52.17 | 68/83 | 45/91 | 83/104 | 75/109 | 82/122 |

Figure 4: Fraser Institute Best Practices Mineral Potential Index

OEM battery warranties will apply globally, including their China EV sales. **Based on the historical and current reality that the supply and qualification of high specification chemicals are not growing as quickly as total lithium supply, we are of the opinion that only a limited number of producers will continue to achieve OEM qualification status and that newcomers will struggle technically. MSB and, in future, Newco must find experienced staff or partner with an experienced operator.**

OEMs are increasingly assessing the carbon footprint of suppliers as well as their proximity to cathode/battery plants. They will also consider the potential risks of Chinese export bans, counterparty credit/financial stability and whether a Chinese supplier will renege on a long-term contract if Chinese spot prices rally and trade at a substantial premium. Even if there is no reneging, it is likely delivery will be made in the absolute minimum tonnage per the contract when the material is needed most. **These factors increase the appeal of Chile-based chemical producers such as MSB.**

The following sections provide an analysis and discussion of both advantages, as well as risks and issues, in this regard.

Key Advantages

1. **Location:** The MSB project is located 160kms from Copiapo in Chile. Chile has been ranked 6th in the Fraser Institute investment attractiveness survey.
2. **Strategic value:** As a brine-related project, MSB is effectively an integrated producer of battery-grade carbonate. There are a limited number of chemical producers outside of China. Chile has the potential to supply the America's cathode market as those industries expand production into South and Central America.
3. **Potential Newco partner:** CODELCO is a state-owned entity formed in 1976 and is the largest copper company in the world with annual sales of US\$14.3bn in 2018. CODELCO's financial strength and A+ long-term foreign currency rating along with its strong global relationships, will prove invaluable to the project.
4. **Infrastructure:** There is sufficient access to fresh water and the necessary power for efficient operation. Further, there is an international highway running adjacent to the property.
5. **Low operating costs:** The key to successful commodity and chemical companies is the ability to operate and make a margin throughout the entire cycle. MSB will be in the first quartile re operating costs.
6. **High lithium grades and large resource:** After the Salar de Atacama, MSB's lithium grades are the highest globally. While impurities are important, the grade is critical to the success of a brine project. Also, the project has a resource of 2MT and the potential to grow to ~4MT post the completion of an additional exploration program once the operation starts.

Key Risks and Issues

1. **EIA approval for the project (20,000tpa):** The final hurdle for MSB is receiving the EIA approval. The CODELCO MOU is non-binding until the EIA is secured. Further, the initial

EIA approval will cover 20,000tpa, at a later stage, Newco can apply to expand or extend production capacity based on the original EIA approval.

2. **Risks of a government change in laws and royalty rates relating to lithium:** The Chilean government continues to review its policy on lithium production in the country and could potentially introduce a new royalty structure. The change in royalties will only affect the new code land (Litio 1-6) and not the old code tenements; these will be determined on a case by case basis through the CEOL for each project.

3. **Project valuation when introducing a strategic partner:** While the MOU with CODELCO will be instrumental in opening numerous channels of debt funding to Newco, the remaining equity financing attributable to the new JV will be substantial. Based on a 50/50 debt-equity split, Newco will require an ~US\$280m equity contribution. As this contribution will likely arise from the sale of a minority stake in the project to a strategic partner, the deemed project valuation at the time of the sale will be critical. Should market conditions remain unfavourable, the Newco partners, including LPI, may be required to make an equity contribution to maintain majority ownership of the project.

4. **Lower long-term lithium price assumptions and longer qualification periods:** The financial models below assume a **long-term battery-grade carbonate price (US) of \$12,500/t**. A further assumption is that MSB will take two years or more to qualify its product with OEMs.

Fair Value Estimate

For the preparation of this report, we have both reviewed MSB's definitive feasibility study ("DFS") for the Maricunga lithium project in detail and updated reserve and resource estimates as well as management discussions. In addition, a conservative valuation estimate (A\$13.5m) has been applied to the exploration portfolio in Western Australia and Argentina given the early-stage nature of these assets. LPI's current exploration program includes 4,000m of drilling at Tabbatabba, the results of the drilling program have yet to be released. We believe there is substantial upside potential in the exploration portfolio and will update our estimated valuation on completion of development milestones.

We have constructed a financial model using more conservative assumptions regarding operating costs and long-term lithium prices and conclude that the MSB project could potentially earn a **steady state EBITDA of US\$200m** following the successful construction and ramp of the initial 20,000ktpa carbonate plant and additional stage 2 10,000ktpa plant. **The company has not outlined plans for a stage 2, this is an RK Equity assumption and assumes the successful conclusion of a JV with CODELCO and that Newco has the necessary infrastructure and resource size to achieve increased production volumes and will receive the necessary EIA permits to expand.**

Based on current market conditions, certain conservative debt, prepayment and equity issuance assumptions are included. **Assuming MSB receives approval of its environmental impact assessment and concludes a binding MOU with CODELCO**, one can arrive at an **estimated short-term fair value for LPI of A\$0.63-A\$0.87** and a longer-term valuation, using an 8x EV/EBITDA multiple, of **A\$1.44-A\$1.70 per share**. Should the long-term lithium price exceed our expectations as per Roskill's estimates using ~\$17,000/t, then the estimated fair value increases to \$2.56 a share.

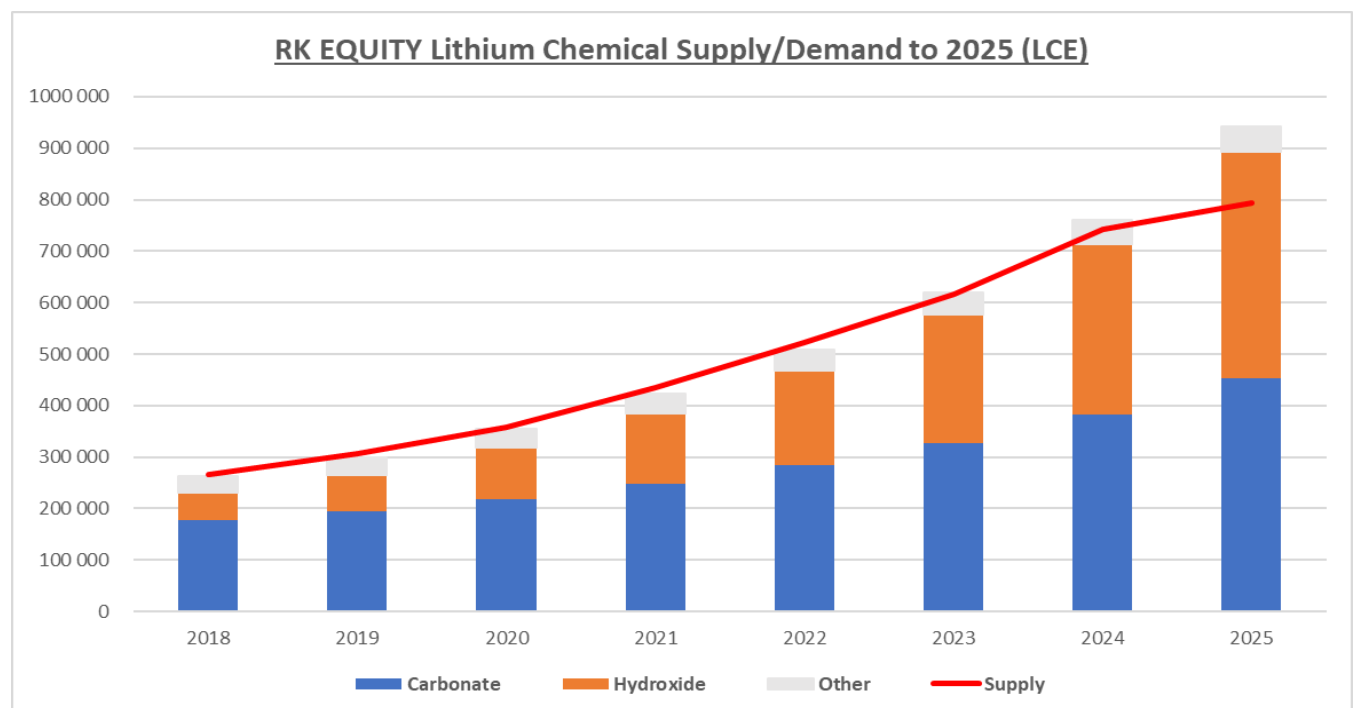


Figure 5: RK Equity lithium chemical supply/demand forecast to 2025 (LCE)

The Case for Lithium: Chemical Supply and Demand Fundamentals

With future annual growth estimated by all the “Big 4” lithium producers at 18%-21% p.a. to 2025, the expected annual demand will be between 900KT and 1MT with a potential upward bias as all forms of transport convert to lithium-ion batteries. Future growth is driven by **absolute EV sales** and the **increase in average battery size** in EVs.

Figure 5, which depicts **RK Equity's** supply/demand forecast graph, predicts a **step change in demand from 2023/2024**. This ties in with Bloomberg NEF's forecast of average battery pack prices falling below US \$100/kWh in **2024 (US \$94/kWh)**. US \$100/kWh is considered the inflexion point at which EV's will not only be cheaper from a running cost perspective but also from that of sale prices. Lower battery prices are possible by production volume growth at battery "megafactories". Bloomberg NEF research estimates the "learning curve" at 18% for every doubling of capacity. Following the announced implementation of EU CO2 emission standards and penalties starting 2021, OEMs have announced the release of a significant number of EV models. In Europe, by 2021, there are 214 EV models planned versus 60 existing models in 2018.

Number of EV models to be launched by 2025

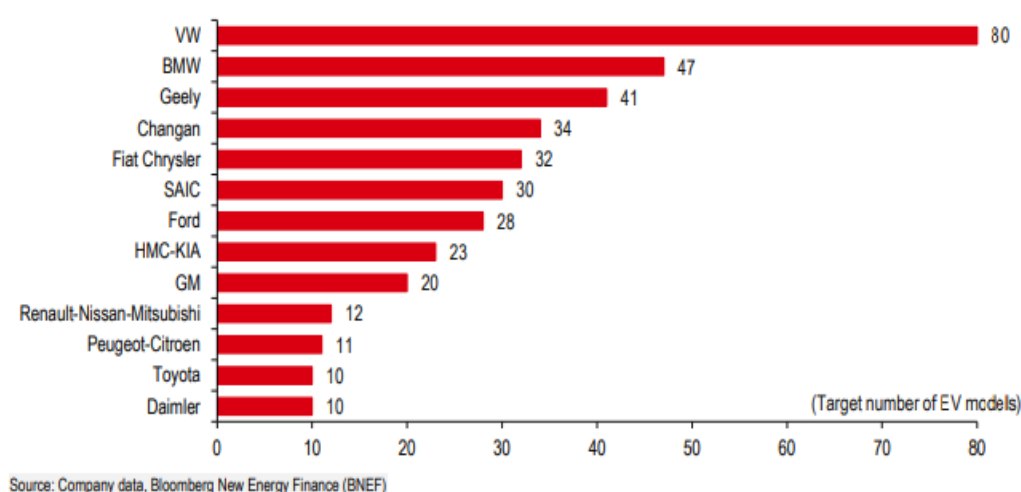


Figure 6: Target EV model releases from major OEMs (BNEF)

The scale of the penalties payable by EU OEMs is greater than the cost of switching to EV production. If 2021 penalties were in place today, it would cost VW over US\$10bn annually.

THE COST OF FAILING TO INVEST IN ELECTRIC VEHICLES

- By 2021, the penalty-free threshold in the EU will reduce from 130g/km to 95g/km, attracting US\$106.4/g exceeding 95g/km per vehicle sold
- All leading car manufacturers recorded vehicle emissions over 95g/km – average of 118.5g/km

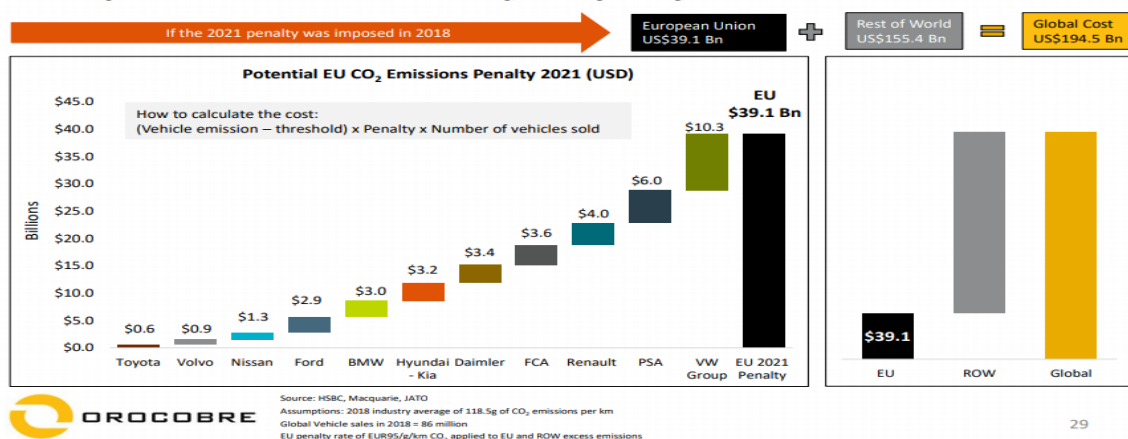


Figure 7: Potential EU OEM penalties based on 2018 CO2 emissions (Orocobre Reports)

Given the strategic importance of auto manufacturing in Europe, there has been a coordinated drive by both governments (subsidies for EV purchases and battery plant finance, EU CO₂ emission penalties) and OEMs. It is estimated that battery cell capacity in Europe will grow ten times in the next five years to ~200 GWh. VW alone has stated that it will need 150 GWh of supply in Europe and a further 150 GWh in the rest of the world. **As the major EV markets, China and Europe, develop their battery supply chains to ensure future security, the result will be a limited remaining supply of Tier 1 batteries available for US OEMs (excluding Tesla).** A substantially increased penetration in EV sales in the United States auto market and a commensurate increase in investments announcement by SK Innovation (a battery plant in Georgia) and further cathode / battery cell and pack producers would enhance the value of MSB, given its location and planned chemical output of battery-grade carbonate from a sustainable brine source located in nearby South America. Alternatively, Chile has been a leader in adopting EV buses, renewable energy and aspires to produce downstream products. MSB is well placed to participate in this process.

Lithium chemicals supply projects

| Project Name | Project Type | Ore supply Classification | Chemical plant Classification | Chemical Type | Volume growth Target |
|---------------|--------------|---------------------------|-------------------------------|---------------|----------------------|
| SQM Atacama | Brine | Brownfield | Brownfield | Carb / Hydrox | 100K MT + |
| ALB Le Negra | Brine | | Brownfield | Carbonate | 40K MT |
| ALB Xinyu | Hard Rock | | Brownfield | Hydroxide | 20K MT |
| ALB Kemerton | Hard Rock | Brownfield | Greenfield | Hydroxide | 80K - 100K MT |
| Wodgina JV | Hard Rock | Greenfield | Greenfield | Hydroxide | 100K MT |
| Tianqi | Hard Rock | Brownfield | Greenfield | Hydroxide | 48K MT |
| KDR / SQM | Hard Rock | Greenfield | Greenfield | Hydroxide | 45K MT |
| Livent | Brine | | Brownfield | Hydroxide | 40K MT |
| LAC / Ganfeng | Brine | | Greenfield | Carbonate | 25K MT |
| Orocobre | Brine | | Brown / Green | Carb / Hydrox | 25K MT |
| | | | | TOTAL | 523-543K MT |
| Greenfield | 303K MT | Hydroxide | | | |
| Greenfield | 25K MT | Carbonate | | | |

Figure 8: Planned new lithium projects (Author, Company Reports)

Recently ALB announced an indefinite “postponement” of 125 KT of annual hydroxide production (175 KT including Mineral Resources 50% share in Wodgina). Given that ALB’s estimated capex is \$24,000/t at Kemerton and that the Wodgina project is in a more remote location of Western Australia, there is a high likelihood that the capex for Wodgina would have matched or exceeded Kemerton. Based on the estimated all-in cost of ALB’s original JV stake, the analysis suggested that a \$14,000/t hydroxide price

was needed for ALB to achieve an IRR of 17%. Increasing capex per ton at Wodgina to \$24,000/t, up from \$16,000/t previously and assuming a lower long-term hydroxide price meant ALB would likely only achieve a single-digit IRR. As many other proposed lithium projects globally have similar capex/opex assumptions, we can expect delays from these greenfield projects. **The only brownfield project expansions that make economic sense in a lower lithium price environment (<\$10k/t) are SQM (Atacama) and ALB/Tianqi in China using Greenbushes SC6.** These projects alone will not be able to meet fast growing battery-grade demand from the energy storage sector. **To adequately incentivise chemical production (ex-China) that meets OEM qualification standards, lithium prices will need to ensure that IRR's of 18%-20%+, using realistic capex/opex assumptions, are achievable.**

RK Equity Long-term Lithium Price Deck

| Lithium Grade | Long-Term Price (US\$) | Note |
|---|------------------------|--|
| Non battery grade Li ₂ CO ₃ exw China | \$8,500/t | |
| Battery grade Li ₂ CO ₃ exw China | \$10,500/t | Conversion cost plus margin (~\$2,000/t) |
| Battery grade LiOH exw China | \$11,000/t | Above \$11,000/t excess margins (>15%-20%) for converters will incentivize additional production to come online |
| Battery grade Li ₂ CO ₃ US/EU/JP/SK | \$12,500/t | +\$2,000/t premium for a) geographic diversity and security of supply (ex-China) b) sustainability (lower carbon footprint) c) OEM qualified (higher spec) |
| Battery grade LiOH US/EU/JP/SK | \$13,000/t | As above plus a \$500/t premium over Li ₂ CO ₃ due to increased demand for LiOH and reduced supply (ALB etc.) |

Source: RK equity estimates

The recent rise in Chinese chemical conversion capacity post the 2016/2017 lithium price rally suggests that **additional capacity will come online if operating margins of greater than 15%-20%+ are achievable.** Especially if SC6 feedstock is readily available from Australia. As SC6 producers are currently throttling back production (with further expansion plans available) and Chinese conversion capacity is only utilising 60%-65% of SC6 supply, we see no SC6 shortage for years to come.

Supply is SC6.0 produced and shipped

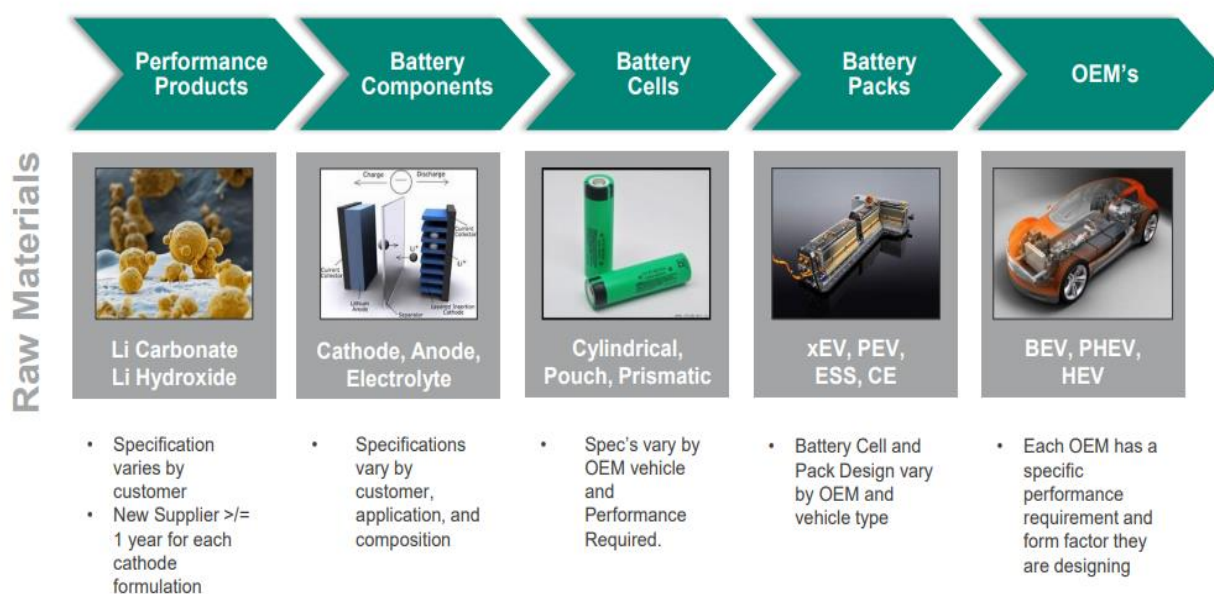
| Company | Project | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|-----------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Tianqi / ALB | Greenbushes | 616 000 | 760 000 | 760 000 | 1 000 000 | 1 200 000 | 1 400 000 | 1 500 000 | 1 500 000 |
| Min Res / Albemarle | Wodgina | 0 | 75 000 | 150 000 | 250 000 | 350 000 | 500 000 | 500 000 | 500 000 |
| SQM / Kidman | Mt Holland | 0 | 0 | 0 | 0 | 100 000 | 275 000 | 350 000 | 372 000 |
| Galaxy | Mt Cattlin | 165 000 | 160 000 | 200 000 | 250 000 | 260 000 | 280 000 | 280 000 | 280 000 |
| Mineral Res / Ganfeng | Mt Marion | 384 000 | 350 000 | 350 000 | 350 000 | 350 000 | 350 000 | 350 000 | 400 000 |
| Pilbara Minerals | Pilgangoora | 28 800 | 225 000 | 250 000 | 300 000 | 400 000 | 500 000 | 650 000 | 750 000 |
| Altura | Pilgangoora | 48 000 | 180 000 | 220 000 | 220 000 | 260 000 | 260 000 | 280 000 | 280 000 |
| A40 | Bald Hill | 77 000 | 130 000 | 130 000 | 150 000 | 180 000 | 180 000 | 250 000 | 280 000 |
| Nemaska | Quebec | 0 | 0 | 0 | 50 000 | 100 000 | 150 000 | 150 000 | 150 000 |
| Bikita | Bikita | 50 000 | 50 000 | 50 000 | 50 000 | 50 000 | 50 000 | 50 000 | 50 000 |
| AMG | Mibra | 20 000 | 75 000 | 75 000 | 75 000 | 75 000 | 100 000 | 120 000 | 120 000 |
| Other China | Various | 85 000 | 85 000 | 85 000 | 85 000 | 85 000 | 85 000 | 85 000 | 100 000 |
| Hard rock (New) | Various | 0 | 0 | 0 | 60 000 | 100 000 | 150 000 | 200 000 | 300 000 |
| TOTAL | | 1 473 800 | 2 090 000 | 2 270 000 | 2 840 000 | 3 510 000 | 4 280 000 | 4 765 000 | 5 082 000 |
| % Change | | | 41.81% | 8.61% | 25.11% | 23.59% | 21.94% | 11.33% | 6.65% |
| Capacity ** | | 190 168 | 269 677 | 292 903 | 366 452 | 452 903 | 552 258 | 614 839 | 655 742 |
| Estimate | | 127 800 | 170 300 | 210 500 | 269 500 | 338 000 | 413 500 | 504 550 | 543 796 |
| Utilization % | | 67.20% | 63.15% | 71.87% | 73.54% | 74.63% | 74.87% | 82.06% | 82.93% |

** based on a 7.75 SC6.0 conversion factor per ton of chemical

Source: RK Equity estimates

Considering the difficulties of achieving OEM qualification and the anticipated tightening of battery-grade/quality specifications, we have applied a **\$2,000/t premium when compared to China spot prices**. As OEM qualification typically takes at least 12-24 months depending on the supplier, OEM battery-qualified lithium demand is “lagged” by supply, a fact which then further underpins the motivation for a premium price.

Bringing lithium products to xEV market is lengthy and complex



Qualification timing is 3-5 years for new cathode material to be qualified in a battery pack



Figure 9: Qualification process and timeline (Albemarle Company Presentation)

Mineral Reserve Estimate and Exploration Upside

Table 12: Lithium Reserve Estimate (adjusted for 58% lithium process recovery efficiency)

| Lithium Brine Mining Reserve Estimate - dated January 15, 2019 | | | | | | |
|---|----------|-------|-----------|--------------------|----------|----------|
| Concession area | Category | Year | Brine Vol | Ave Li conc (mg/l) | Li metal | LCE |
| | | | (Mm3) | | (tonnes) | (tonnes) |
| Old code | Proved | 1-7 | 21 | 1,051 | 22,000 | 115,000 |
| | Probable | 1-18 | 42 | 1,068 | 45,000 | 241,000 |
| Litio 1-6 | Proved | 7-14 | 14 | 1,184 | 17,000 | 88,000 |
| | Probable | 14-23 | 48 | 1,170 | 56,000 | 298,000 |
| Total | | 1-23 | 125 | 1,117 | 139,000 | 742,000 |
| Lithium Brine Available for Production (accounting for 58% lithium pond and process recovery efficiency) - dated January 15, 2019 | | | | | | |
| Concession area | Category | Year | Brine Vol | Ave Li conc (mg/l) | Li metal | LCE |
| | | | (Mm3) | | (tonnes) | (tonnes) |
| Old code | Proved | 1-7 | 21 | 1,051 | 13,000 | 67,000 |
| | Probable | 1-18 | 42 | 1,068 | 26,000 | 140,000 |
| Litio 1-6 | Proved | 7-14 | 14 | 1,184 | 10,000 | 51,000 |
| | Probable | 14-23 | 48 | 1,170 | 32,000 | 173,000 |
| Total | | 1-23 | 125 | 1,117 | 81,000 | 430,000 |

Figure 10: Lithium reserve estimate (LPI Company Presentation)

Mineral reserve: The Maricunga project contains both old and new code tenements. Based on a 58% lithium process recovery estimate and a maximum depth of 200m, the total project mining reserve LCE tonnage is 430,000, taking into account brine pumping limitations, sufficient to support 20 years of production at 20,000tpa.

Exploration upside: A deep borehole (S-19) was drilled to a depth of 360m and encountered a continuation of the lower brine aquifer with lithium concentrations above 900mg/l Li. The exploration target of the zone between 200m and 400m is 1Mt – 2.5Mt LCE. This substantial exploration upside could comfortably provide the resource/mining reserve needed to expand production beyond 20,000tpa and 20 years.

Project Infrastructure and Layout

Figure 5: Maricunga JV properties



Figure 11: MSB project layout (LPI Company Reports)

Project infrastructure: Worley Parsons conducted the design and costing for the project infrastructure.

Site infrastructure consists of:

- Power and water supplies
- Project accommodation camp and offices, laboratory, parking, workshops, general warehousing, weighing station and local access roads
- Reagent preparation building, storage and preparation of soda ash
- Fuel plant and station
- Storage and distribution of sulfuric acid and lime plant
- Compressors room, boiler room and water conditioning plant
- Lithium carbonate plant

Power supply: Initially, the project will require 14 MW of power. The Chilean Electric Coordinator has given MSB authority to use 7.5 MW by connecting to the 23kV transmission line that passes the project from the La Coipa mine (see above). This existing line was originally built with 66 kV capacity by Kinross for future mining but is only operating at 23 kV. MSB will look to change the transformers at the substation to increase the capacity of the existing line.

Water supply: MSB has negotiated access to a water well (CAN-6) located on the Eastern side of the salar. This well will provide the necessary volume of water for lithium carbonate production.

Transportation: As the DFS now excludes the production of potash, the haulage requirements of the Maricunga project now entail the delivery of sodium carbonate (soda ash) from Antofagasta to the site and haulage of lithium carbonate to port at Angamos. As seen in Figure 9, there are heavy haulage public roads (International Highway 31) located near the site to and from the coast.

Project Flow Sheet

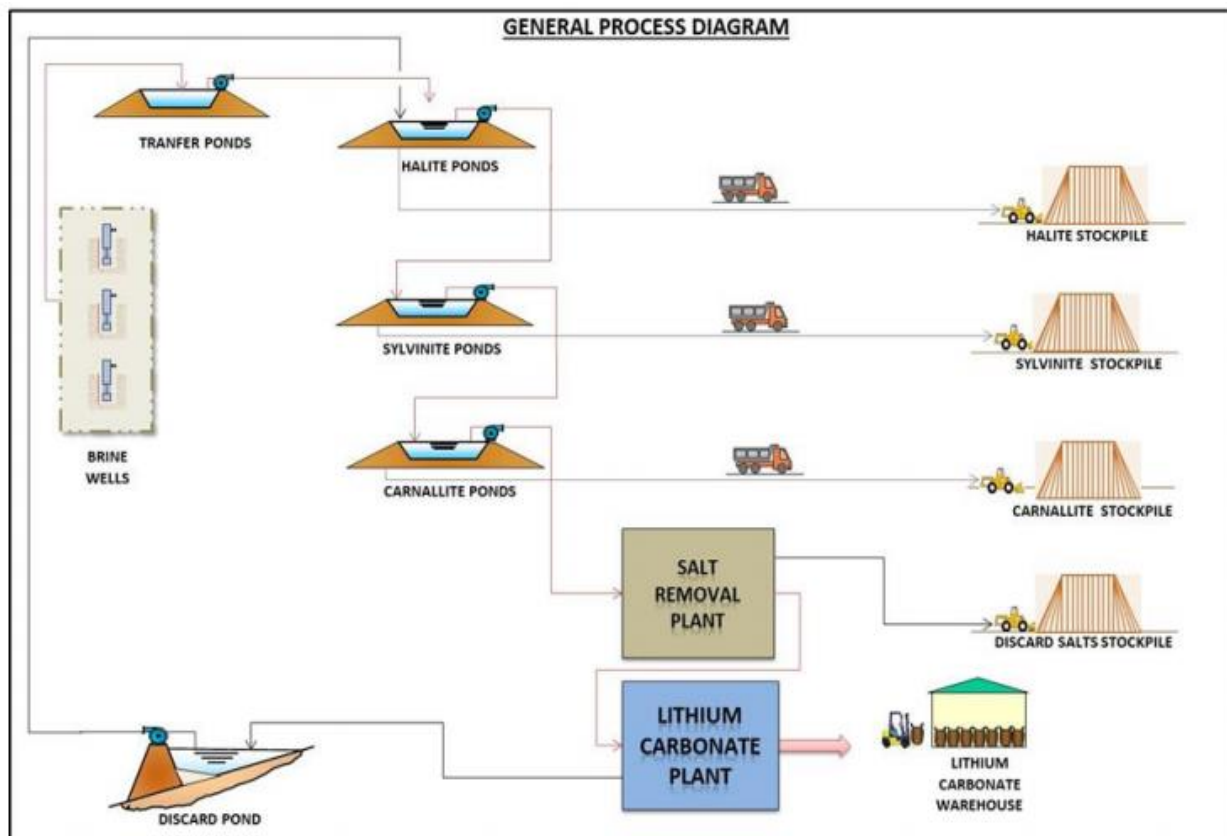


Figure 12: Project flow sheet (LPI Company Reports)

Wells and pipelines: Based on flow rates from the pump tests and the results of the groundwater model, a minimum of 12 pumps are required at the project. There will be a total of 44 wells over the project life with no more than 15 wells pumping at any one time; the wells will be between 11m and 208m deep with mostly 200m wells. Deep wells are there ensure there is limited pumping from the upper halite aquifer (high grade) to minimise the impact on the water in the gravels surrounding the Salar. A maximum pumping rate of 300l/s occurs during the first two years of the project to fill the evaporation ponds. Post this initial start-up phase; the maximum pumping rate will vary between 55 and 234l/s depending on seasonal effects and peak evaporation periods. There is a reserve model that separately tracks brine that originates from outside the property boundary. The model predicted 4% of lithium produced might originate outside the project property.

Evaporation pond design: As per Figure 9, the evaporation ponds are located 5 kilometres north of the Salar where the flatter natural slopes and the gravel/sand can be easily shaped for cut and fill pond design. The ponds are to be lined with HDPE membrane for waterproofing and 2m deep. Brine transfer

flows by gravity, and if not possible, a pumping station will need to be installed. All ponds will have access roads for monitoring and maintenance activity.

Salt removal plant: Initially the brine that comes from the ponds is fed to the salt removal plant (US\$66.4m capex, \$486/t opex), which through the processes of evaporation and crystallization, allows for the concentration of the lithium contained in the brine and at the same time enables the elimination of excess calcium and other impurities from the brine in the form of tachyhydrite and calcium chloride. This stage allows the feeding of more concentrated brine to the following stages of processing and generates water recovery.

Process plant: MSB has worked with experience suppliers including Veolia and GEA with the latter providing the final more detailed pilot plant test work using Maricunga brine. Concentrated brine from the salt removal plant transfers to the lithium carbonate plant, which utilising purification processes, solvent extraction, carbonation and drying, removes the remaining contaminants present in the brine, such as boron, magnesium and calcium. In this manner, the final product, lithium carbonate, is obtained. **MSB is anticipating a 2-year ramp-up period and long-term plans production of 18,000tpa of battery-grade and 2,000tpa of industrial-grade carbonate (our model is forecasting a 3-year ramp-up period and ~80% effective capacity).**

Opex, Capex and Timeline Analysis

Table 5: Summary of operating costs per tonne (excluding KCI)

| Description - Operation Costs | US\$ / Tonne Li ₂ CO ₃ Battery Grade | US\$ / Tonne Li ₂ CO ₃ Technical Grade | Total 000 US\$ pa |
|----------------------------------|--|--|-------------------|
| DIRECT COSTS | | | |
| Chemical Reactives and Reagents | 1,040 | 1,040 | 20,799 |
| Salt Removal | 486 | 486 | 9,727 |
| Energy | 1,028 | 1,028 | 20,552 |
| - Electrical | 370 | 370 | 7,398 |
| - Thermal | 658 | 658 | 13,154 |
| Manpower | 458 | 458 | 9,160 |
| Catering & Camp Services | 105 | 105 | 2,100 |
| Maintenance | 295 | 295 | 5,899 |
| Transport | 237 | 237 | 4,740 |
| DIRECT COSTS SUBTOTAL | 3,649 | 3,649 | 72,977 |
| INDIRECT COSTS | | | |
| General & Administration - LOCAL | 123 | 123 | 2,702 |
| INDIRECT COSTS SUBTOTAL | 123 | 123 | 2,702 |
| | | | |
| TOTAL PRODUCTION COSTS | 3,772 | 3,772 | 75,679 |

Figure 13: MSB DFS opex estimates (LPI Company Reports)

Maricunga: outstanding economics

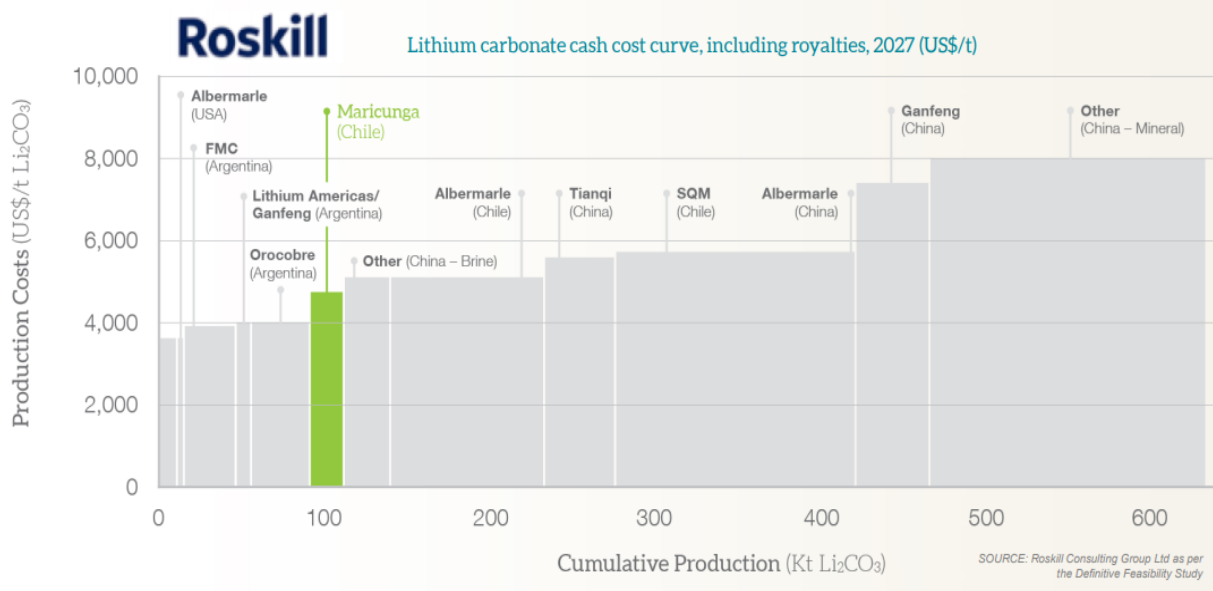


Figure 14: Bar Graph illustrating the 2027 Li₂CO₃ cost curve (LPI Company Reports)

While we view lithium as a specialty chemical and not a pure commodity, where a project sits on the cost curve is important. The Maricunga project, depending on the future price of lithium carbonate

and hence the progressive royalty payments payable by SQM and Albemarle, will sit in either the 1st or 2nd quartile. Demand growth rates for lithium chemicals is, at 20%+ p.a., unprecedented. However, the road to an established and balanced market will be volatile. It's key for projects to be able to withstand periods of oversupply to ensure they benefit from high prices during undersupply. **Tier 1 battery demand from western OEMs will be substantial by 2023, and beyond, cathode producers are currently engaging with all credible projects to meet their future precursor requirements. Low opex projects located outside China with a robust DFS in a safe jurisdiction are in short supply.**

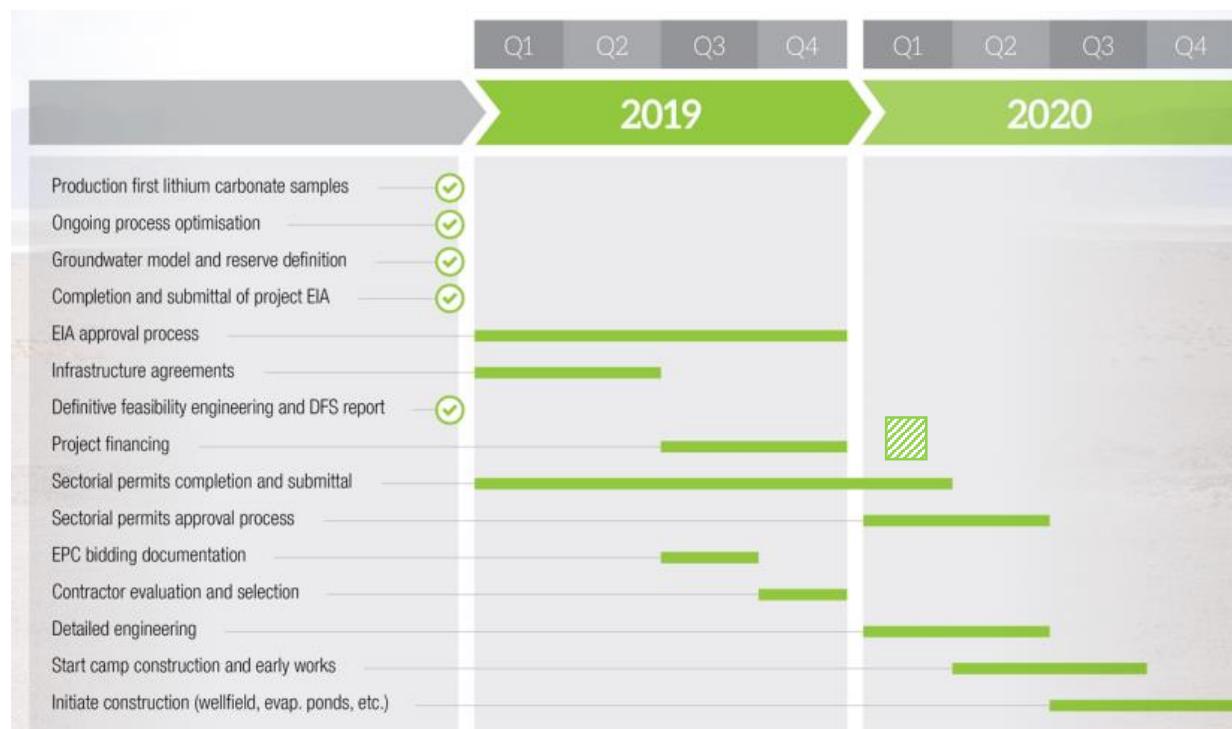


Figure 15: Table showing the estimated development timeline (LPI Company Reports)

Based on management interaction and company releases, the anticipated construction start date for the project is Q3 2020. We envisage a slight delay to the end of Q4 2019-Q1 2020 for the EIA approval and hence confirmation of a binding MOU with CODELCO. Project financing will likely follow in Q2 2020, reflecting a delay of approximately six months but should provide Newco with additional time to secure debt, a strong offtake arrangement and/or Newco stake sale. The lithium market and pricing are anticipated to be firmer in 2020 and, owing to this; a delay could be opportunistic for Newco regarding negotiations.

Project Capital Cost Analysis

Table 6: Summary of capital cost items (all inclusive)

| Area | Description | US\$'M |
|------|--|--------------|
| | Direct Costs | |
| 1000 | Brine Extraction Wells | 39.4 |
| 2000 | Evaporation Ponds | 115.3 |
| 3000 | Potassium Chloride Plant (Cost not included) | |
| 4000 | Carnalite Plant (Cost not included) | |
| 5000 | Removal of Salts | 66.4 |
| 6000 | Lithium Carbonate Plant | 71.6 |
| 8000 | General Services | 103.3 |
| 9000 | Infrastructure | 60 |
| | Total Direct Cost | 456 |
| | Total Indirect Cost (10% of direct costs) | 44.8 |
| | Total Direct & Indirect Costs | 500.9 |
| | Contingencies (14% of direct costs) | 62.6 |
| | TOTAL | 563.4 |

Figure 16: Project capital costs (LPI Company Reports)

In November 2017, MSB released a PEA estimated capex of \$527.31m. Major changes from the PEA to the current DFS are as follows:

- KCI plant capex of \$23.4m removed
- Salt removal plant capex increased by \$36.4m
- General services increased by \$73.4m
- Total estimated capex on a like for like basis has increased \$59.45m

MSB has budgeted \$71.6m for the carbonate plant (20,000tpa). While each brine project is unique, the cost of a carbonate plant is somewhat standard. As such, we are somewhat sceptical of competing projects estimating ~\$50m for an equivalent capacity as MSB.

Figure 8: Lithium project capital intensity

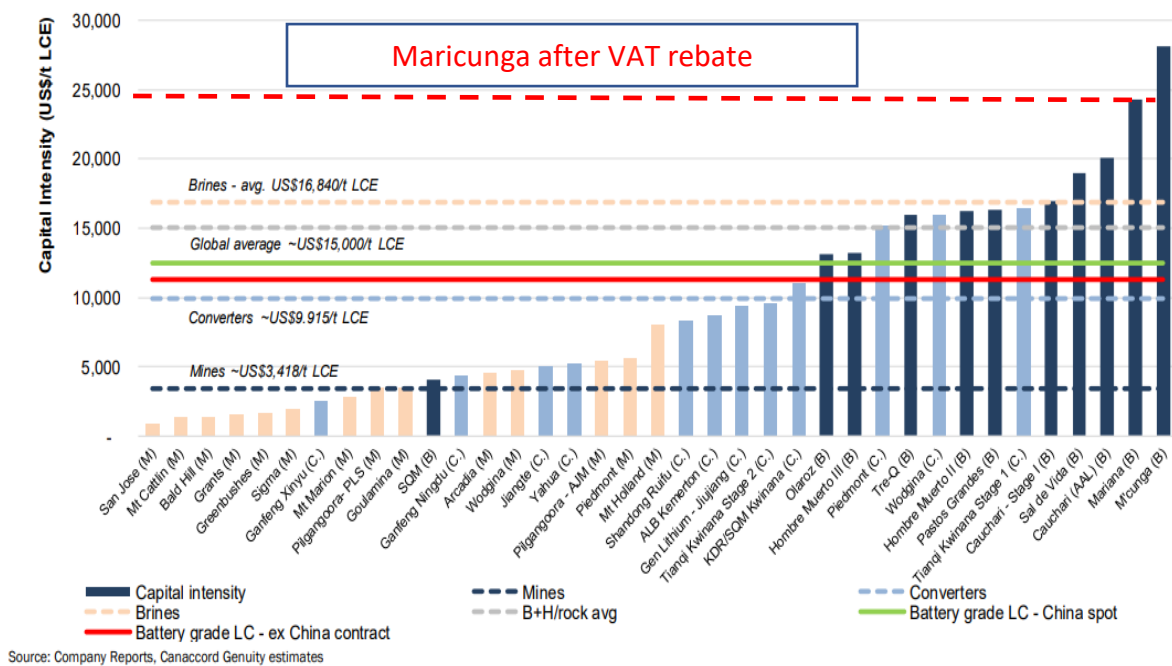


Figure 17: Industry capex costs (Canaccord Genuity)

Brine capital cost per ton peer comparison

According to Canaccord Genuity's table above, which includes principally PEA and PFS level cost estimates and MSB's DFS for Maricunga, the Maricunga project has the highest expected capex of its brine peers. On an ex-VAT basis, the project matches the Mariana project at around ~\$24,700/t to within a +/-15% accuracy. Given the location of the Maricunga project and ready access to critical infrastructure, namely power and water, we believe that the DFS level capex estimates are realistic. There are several brine (and hard rock) peers, included in the above chart, that have only completed PFS/PEA level capex estimates to within +/-35% accuracy. **We are of the opinion that only DFS level capex comparisons are valid – the depth and detail of work required to complete a DFS is substantial and incomparable to a PFS.**

LPI Management and Major Shareholders

Strong leadership and support

| Board of Directors | |
|---------------------------------------|--|
| Mr David R Hannon | <i>Chairman</i> |
| Mr Cristobal Garcia-Huidobro R | <i>CEO and Managing Director</i> |
| Mr Richard A Crookes | <i>Executive Director (Corp Finance)</i> |
| Mr Russell C Barwick | <i>Non-Executive Director</i> |
| Mr Ricky P Fertig | <i>Non-Executive Director</i> |
| Mr Martin Borda M | <i>Non-Executive Director</i> |
| Mr Andrew G Phillips | <i>CFO and Company Secretary</i> |

| Substantial Shareholders (May 27, 2019) | |
|---|-------|
| Founders & Directors | 22.3% |
| HSBC Custody Nominees (Australia) Limited | 10.5% |
| Citicorp Nominees Pty Ltd | 7.7% |
| Brispot Nominees Pty Ltd | 4.8% |
| Yarandi Investments Pty Ltd | 3.6% |
| G Harvey Nominees Pty Ltd | 2.5% |
| UBS Nominees Pty Ltd | 2.4% |
| Morgan Stanley Australia Securities Pty Ltd | 2.3% |
| J P Morgan Nominees Pty Ltd | 1.9% |

| Research Coverage | |
|---------------------------------|---|
| Canaccord Genuity | <i>Reg Spencer</i> |
| RK Equity | <i>Howard Klein & Rodney Hooper</i> |
| Hallgarten & Company | <i>Christopher Ecclestone</i> |

| Capital Structure | |
|---|--------------------|
| ASX Code | LPI |
| Shares on Issue | 262.5M |
| Cash at bank: | |
| – LPI Circa | AU\$16.1m |
| – Chilean JV Circa | US\$2.1m |
| Listed Options exercise price – 55 cps ¹ | 34.6m (AU\$19m) |
| Unlisted Options exercise price – 25 cps ² (average) | 46.3m (AU\$11.58m) |

¹ LPIOA expiry July 6th, 2019

² Majority of Unlisted options expiry June 23rd, 2021 (majority held by founders)

Figure 18: Corporate snapshot (LPI Company Reports)

Management collectively owns 22.3% as well as additional 46.3m options averaging a 25cps strike price. Those options expire in June 2021. Following the implementation of those options, management will own 33.95% of the company. It should be noted that LPI's MSB partner, Minera, has two representatives on the LPI board of directors in the positions of CEO and non-executive director. Martin Borda Mingo, the controlling shareholder of Minera, is a well-known and regarded businessman in Chile. Along with the other LPI board members, he has and will continue to guide the project through to production in a short space of time. Outside parties interested in the project are effectively negotiating with 82% of MSB directly when they deal with the intertwined and united Minera/LPI board.

When the unlisted options are exercised, LPI will raise a further ~A\$11.6m through the settlement of the strike price premium. New additions to management have been given longer-dated 60cps options and are therefore incentivised along with shareholders to see price appreciation. In December 2017 LPI raised A\$35.6m through the issue of 64.8m shares at A\$0.55 per share. This well-timed capital raise has funded LPI through to completion of the DFS and funds the current exploration campaign in WA.

Estimated Fair Value Analysis

Short-term (H2 2019 – 1H 2020)

Post the EIA approval and binding CODELCO agreement

UPSIDE STAKE SALE SCENARIO

| Item | % | US\$m |
|---------------------------|--------|---------------|
| Capex | 100.0% | 563.4 |
| Debt | 50.0% | 281.7 |
| VAT rebate | | -70.00 |
| Net debt | | 211.7 |
| Term debt | | 120-150 |
| Prepayment / OT | | 61.7-91.7 |
| Equity | 50.0% | 281.7 |
| Codelco | 33.3% | 93.90 |
| MSB | 66.7% | 187.80 |
| NPV (incl Codelco) | | 1 500 |
| P/NPV (MSB sale) | | 0.50 |
| MSB valuation | | 750 |
| MSB sale % | | 26.67% |
| MSB capital raise | | 200 |
| MSB project % post | | 40.00% |
| LPI MSB stake (post) | | 20.40% |
| LPI valuation (US\$) | | 153.00 |
| NO OPTION DILUTION | | A\$m |
| LPI valuation | | 224.91 |
| Cash on hand | | 20.00 |
| Exploration portfolio | | 13.51 |
| TOTAL | | 258.42 |
| Shares in issue (mn) | | 262.50 |
| Fair value per share | A\$ | 0.98 |
| FULLY DILUTED | | A\$m |
| LPI valuation | | 224.91 |
| Cash on hand | | 20.00 |
| Options exercised | | 11.58 |
| Exploration portfolio | | 13.51 |
| TOTAL | | 270.00 |
| Shares in issue (mn) | | 308.80 |
| Fair value per share | A\$ | 0.87 |

BASE STAKE SALE SCENARIO

| Item | % | US\$m |
|---------------------------|--------|---------------|
| Capex | 100.0% | 563.4 |
| Debt | 50.0% | 281.7 |
| VAT rebate | | -70.00 |
| Net debt | | 211.7 |
| Term debt | | 120-150 |
| Prepayment / OT | | 61.7-91.7 |
| Equity | 50.0% | 281.7 |
| Codelco | 33.3% | 93.90 |
| MSB | 66.7% | 187.80 |
| NPV (incl Codelco) | | 1 500 |
| P/NPV (MSB sale) | | 0.40 |
| MSB valuation | | 600 |
| MSB sale % | | 33.33% |
| MSB capital raise | | 200 |
| MSB project % post | | 33.33% |
| LPI MSB stake (post) | | 17.00% |
| LPI valuation (US\$) | | 102.00 |
| NO OPTION DILUTION | | A\$m |
| LPI valuation | | 149.94 |
| Cash on hand | | 20.00 |
| Exploration portfolio | | 13.51 |
| TOTAL | | 183.45 |
| Shares in issue (mn) | | 262.50 |
| Fair value per share | A\$ | 0.70 |
| FULLY DILUTED | | A\$m |
| LPI valuation | | 149.94 |
| Cash on hand | | 20.00 |
| Options exercised | | 11.58 |
| Exploration portfolio | | 13.51 |
| TOTAL | | 195.03 |
| Shares in issue (mn) | | 308.80 |
| Fair value per share | A\$ | 0.63 |

Figure 19: Estimated LPI valuation post stake sale (Author)

We believe the fully diluted valuation is the appropriate estimated fair value – based on a potential Newco deal valuation with a strategic partner of **P/NPV 0.4-0.5x (US\$600-US\$750m)**, LPI is valued at between **A\$0.63 – A\$0.87 per share**. We assume that the strategic buyer of a minority equity stake (and provider of a prepayment facility) in Newco's MSB project would also receive the **marketing rights** for its stake and that of all the non CODELCO shareholders. As a reference point to our valuation, Blair Franklin, as of March 2019, gave a fairness opinion for Minera Exar (Ganfeng/LAC's Cauchari Olaroz 25,000tpa brine project) of between **US\$600m-US\$725m**.

What does a P/NPV ratio of 0.4x-0.5x translate into with respect to capital intensity per ton?

| UPSIDE STAKE SALE SCENARIO | | Note | BASE STAKE SALE SCENARIO | | Note |
|--------------------------------------|--------|---------------------------------------|--------------------------------------|--------|---------------------------------------|
| P/NPV (MSB sale) | 0.50 | | P/NPV (MSB sale) | 0.40 | |
| MSB valuation | 750 | | MSB valuation | 600.00 | |
| MSB sale | 26.67% | | MSB sale | 26.67% | |
| MSB sale value (US\$m) | 200 | | MSB sale value (US\$m) | 160 | |
| MSB debt (ex VAT) Phase 1 | 211.7 | | MSB debt (ex VAT) Phase 1 | 211.7 | |
| Debt (stake sale) Phase 1 | 56.5 | | Debt (stake sale) Phase 1 | 56.5 | |
| Stake sale EV (US\$m) | 268.2 | | Stake sale EV (US\$m) | 216.5 | |
| Steady state production (ktpa) | 30 000 | 20ktpa phase 1 and 10ktpa exp phase 2 | Steady state production (ktpa) | 30 000 | 20ktpa phase 1 and 10ktpa exp phase 2 |
| Look through stake capacity | 8 000 | Long-term phase 2 | Look through stake capacity | 8 000 | Long-term phase 2 |
| Stake sale cost per ton (all-in) | 33 519 | Excl phase 2 capex | Stake sale cost per ton (all-in) | 27 057 | Excl phase 2 capex |
| Stake share of phase 2 capex (US\$m) | 53.3 | \$20k/t capex phase 2 - total \$200m | Stake share of phase 2 capex (US\$m) | 53.3 | \$20k/t capex phase 2 - total \$200m |
| Stake sale EV incl Phase 2 (US\$m) | 321.5 | | Stake sale EV incl Phase 2 (US\$m) | 269.8 | |
| Stake sale cost/t (incl phase 2) | 40 186 | Incl Phase 2 capex | Stake sale cost/t (incl phase 2) | 33 723 | Incl Phase 2 capex |

Figure 20: Estimated capital intensity per ton (Author, Company Releases)

The **base case scenario** of a sale multiple of **P/NPV of 0.4x** values the MSB project at US\$600m. Allocating the strategic buyers share of net debt to the equity purchase price and the buyers share of future capex to reach long-term steady-state production (30ktpa), **the implied all-in cost per ton of installed capacity is US\$33,723.**

The **upside case scenario** of a sale multiple of **P/NPV of 0.5x** valuing the MSB project at US\$750m. Allocating the strategic buyers share of net debt to the equity purchase price and the buyers share of future capex to reach long-term steady-state production (30ktpa), the implied all-in cost per ton of installed capacity is **US\$40,186.**

How do these all-in costs per ton valuations compare with deals executed in the lithium market?

Albemarle – Wodgina: Albemarle paid US\$1.15bn for 50% of the project, and there was an estimated \$850m capex share (50%) to reach 100ktpa steady-state production. Based on an all-in investment estimate of US\$2bn, Albemarle was looking at \$40,000 per ton of installed capacity. In reality, Albemarle's other WA project, Kemerton, has an updated estimated capex of \$24,000/t. If Wodgina, located in a more remote part of WA, were to have the same capex cost per ton, then Albemarle's **final all-in cost would be US\$47,000/t.** With the fall in lithium prices, Albemarle has decided to postpone construction of the Wodgina hydroxide project. It should be noted that Albemarle received 100% marketing rights for Wodgina's SC6 and hydroxide output as part of the transaction price.

Wesfarmers-Kidman: Wesfarmers made an A\$776m (US\$528m) offer for Kidman. Kidman owns 50% of the 45,400/t hydroxide project at Mt Holland. The estimated capex of the project has increased recently, and the total all-in cost for Wesfarmers is now **~US\$1bn for 22,700tpa of installed capacity**. It is pointing towards an effective **final all-in cost of US\$44,000/t**. Wesfarmers will only have the marketing rights for its 50% share of production.

Ganfeng-Bacanora: Bacanora's capex is US\$420m for 17,500tpa (carbonate) of installed capacity or \$24,000/t. Ganfeng seized on the opportunity to buy into the Sonora clay project (Mexico) after Bacanora struggled to raise funding last year post Nemaska's C\$1.1bn raise for Whabouchi. Final pricing or deal confirmation is yet to be determined; however, the likely all-in cost for Ganfeng to acquire a 50% stake in the project will be approximately **\$30,000-\$32,000/t** for stage 1.

Ganfeng-LAC: The look-through valuation for this transaction is complicated by the change in ownership and input costs from SQM to Ganfeng for 37.5% project ownership and then a further 12.5% stake purchase by Ganfeng for US\$160m. If we use the Blair Franklin fair valuation of US\$600m-US\$725m and a capex of US\$500m for 25,000/t, then the phase 1 all-in cost (fair value) is \$44,000-\$49,000/t. Assuming a **phase 2** increase of 15,000tpa to 40,000tpa at a capex cost of \$17,000/t then the all-in cost (fair value) falls to **\$33,875 - \$37,000/t**.

| Company | Valuation method | All-in cost per ton | Locat | Type |
|---------------------|------------------|---------------------|-----------|-----------|
| Albemarle-Wodgina | Transaction | \$47,000 | Australia | Hard Rock |
| Westfarmers-Kidman | Transaction | \$44,000 | Australia | Hard Rock |
| Ganfeng-Bacanora | Est Transaction | \$30,000-\$32,000 | Mexico | Clay |
| Ganfeng-LAC | Fairness opinion | \$33,875-\$37,000 | Argentina | Brine |
| Minera Salar Blanco | P/NPV 0.4-0.5x | \$33,723-\$40,186 | Chile | Brine |

Whilst MSB has a low projected operating cost (US\$3,721/t) and will earn a similar operating margin to the peer group above and with a solid Newco JV partner in CODELCO should secure low-cost debt, we believe at this point in the cycle it will be challenging to attract an all-in cost valuation of above \$35,000-40,000/t.

Steady State EBITDA long-term valuation

| Year | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 |
|------------------------------|--------|--------|---------|--------|--------|--------|--------|
| Capacity ktpa | 20,000 | 20,000 | 20,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Effective cap ktpa | 5,000 | 12,000 | 16,000 | 21,000 | 25,000 | 25,000 | 25,000 |
| Avg lithium price/t | 12,000 | 12,000 | 12,500 | 12,500 | 12,500 | 12,500 | 12,500 |
| Cost of prod incl royalties | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 |
| EBITDA US\$m | 37.5 | 90.0 | 128.0 | 168.0 | 200.0 | 200.0 | 200.0 |
| EV/EBITDA 8x | 300.0 | 720.0 | 1,024.0 | 1344.0 | 1600.0 | 1600.0 | 1600.0 |
| Less (debt) | -211.7 | -180.0 | -120.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| MSB equity valuation (US\$m) | 88.3 | 540.0 | 904.0 | 1344.0 | 1600.0 | 1600.0 | 1600.0 |
| LPI stake P/NPV 0.4x (17.0%) | 15.0 | 91.8 | 153.7 | 228.5 | 272.0 | 272.0 | 272.0 |
| LPI P/NPV 0.4x A\$ per share | 0.22 | 0.58 | 0.88 | 1.23 | 1.44 | 1.44 | 1.44 |
| LPI stake P/NPV 0.5x (20.4%) | 18.0 | 110.2 | 184.4 | 274.2 | 326.4 | 326.4 | 326.4 |
| LPI P/NPV 0.5x A\$ per share | 0.23 | 0.67 | 1.02 | 1.45 | 1.70 | 1.70 | 1.70 |

What if the long-term price (2027 onwards) of lithium is higher than our \$12,500/t estimate?

The below table highlights the estimated fair value of LPI given varying lithium prices.

| Lithium price/t | \$13,000 | \$14,000 | \$15,000 | \$16,000 | \$17,000 |
|------------------------------|----------|----------|----------|----------|----------|
| LPI stake P/NPV 0.4x (17.0%) | 1.52 | 1.68 | 1.85 | 2.01 | 2.17 |
| LPI stake P/NPV 0.5x (20.4%) | 1.80 | 1.99 | 2.18 | 2.37 | 2.56 |

Conclusion

The MSB project continues to progress towards a final investment decision with only an outstanding EIA approval required. While CODELCO needs to execute due diligence before converting the existing MOU with the MSB partners to a binding version, this should be a formality once the Maricunga EIA is approved. We believe the respective NPVs will determine the Newco partnership shareholding including CODELCO.

As CODELCO's inclusion results in the addition of a further 10ktpa capacity after 3+ years of production (RK Equity assumption) at a lower capex and provides an extended mine life, we see the original NPV of ~\$1bn increasing to ~\$1,5bn. As such the Newco will likely be split 66.67%/33.33% in favour of the existing MSB members. The introduction of CODELCO opens all potential debt avenues for Newco, given its credit rating. The key steps for Newco shareholders post the JV is the **timing and terms of the offtake and partnership agreements with a 3rd party**. We have estimated potential outcomes to these negotiations based on recent market transactions – the **actual terms will depend on the buyers view regarding the importance of diversity of supply, Chilean country risk, demand for carbonate feedstock and the technical skills/ability of the MSB JV to execute successfully and the commercial terms of the marketing/offtake agreement**.

Based on Chile's global ranking regarding investment attractiveness and best practices and considering Albemarle has indefinitely postponed the construction of the Wodgina hydroxide plant, Kemerton stages 3-5 and the Atacama yield enhancement strategy, chemical plants (and supply) outside China have become scarcer and more valuable. Capital cost overruns at Kwinana and Kemerton are likely to put a dampener on other planned WA projects; SQM, with no hard rock experience, can grow production in the Atacama at \$5,000/t capex versus Mt. Holland at \$20,000/t+. We believe a delay in the construction of Mt Holland with SQM's new partner Wesfarmers, is probable. Cathode/battery cell manufacturers have purposefully tried to diversify geographic supply risk and limit their exposure to any one particular company. This task is becoming increasingly harder as WA and other projects get shelved.

We do not subscribe to the view that lithium chemicals are a commodity. However, we do recognise the importance of being a low- cost producer in a specialty chemical market that will have future

volatility. MSB, depending on prices and royalty rates, could be in the first quartile for production costs.

MSB finalises several **milestones in H2 2019 and early 2020**. These follow below.

- EIA approval for the MSB Maricunga project in Q4 2019 / Q1 2020
- International EPC bidding process
- Finalise a binding MOU and definitive agreement with CODELCO post EIA approval and a due diligence
- Strategic partner and off-take agreement
- WA exploration program (all assets) and drill results for Tabba Tabba
- Project financing for Newco once formed post the CODELCO agreement

The definitive feasibility study is accurate to within +/-15%; we consider MSB's capex estimate of \$563.4m credible. Based on our long-term carbonate price estimates (substantially below Roskill's) we still see substantial upside in the LPI share price going forward.

Our short-term estimated fair value for LPI is A\$0.63-A\$0.87 post the EIA approval and finalisation of a binding MOU with CODELCO. Our longer-term fair value is derived from the longer-term EBITDA potential of Newco. Assuming an EV/EBITDA multiple of 8x and a steady-state EBITDA of US\$200m, we estimate the fair value of LPI to be between A\$1.44 and A\$1.70 per share. If the long-term carbonate price is \$17,000/t, closer to Roskill's estimate, then the fair value rises to between A\$2.17 and A\$2.56 a share.

Given that the current availability of high specification chemicals is limited to select suppliers and geographic locations, buyers haven't stressed sustainability to date. In time OEMs (VW and Mercedes have publicly stated this) will strive to be carbon neutral. The entire lithium-ion battery supply chain will face scrutiny, and we believe there is a high probability that either CO2 incentives or penalties will be levied across the entire supply chain from mine to EV showroom floor. Looking at the possible battery supply chain alternatives outside China, MSB is well placed to benefit greatly from future incentive and penalty schemes.

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