



CORPORATE PRESENTATION
Citi Basic Materials Conference
December 3-4, 2019



# CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

SQM (NYSE: SQM, Santiago Stock Exchange: SQM-A, SQM-B) is a global company engaged in strategic industries for human development, such as health, food, clean energy and the technology that moves the world.

This presentation and the material within the presentation, is meant to be given in conjunction with an oral presentation and should not be taken out of context. Statements in this presentation concerning SQM's business outlook and future economic performance, including its anticipated profitability, revenues, cash flow generation, capital expenses, performance forecast and underlying assumptions, other financial forecasts, anticipated capacity expansions and cost synergies, product or service line growth, and estimates on the evolution and growth of certain markets and industries relevant to its business, together with other statements that are not based on historical facts, which are "forward-looking statements" as that term is defined under the U.S. Private Securities Litigation Reform Act of 1995.

These forward-looking statements reflect the intent, belief and current expectations of SQM and its management, based on currently available information, and are subject to a number of risks, uncertainties and other factors that are outside SQM's control. Risks, uncertainties, and factors that could cause actual results to differ materially from those projected in such forward-looking statements include those identified in SQM's public filing made with the U.S. Securities and Exchange Commission, specifically SQM's most recent annual report on Form 20-F. All forward-looking statements are based on information available to SQM on the date hereof and SQM assumes no obligation to update such statements whether as a result of new information, future developments or otherwise, except as required by law.

This presentation makes reference to market size, market growth rate and market share estimates. SQM is not aware of any independent, authoritative source of information regarding sizes, growth rates or market shares for most of its markets. Accordingly, the market size, market growth rate and market share estimates contained herein have been developed by SQM using internal and external sources and reflect its best current estimates. These estimates have not been confirmed by independent sources.



# Solutions for human CORPORATE STRATEGY Safety, Excellence, Integrity

Be a global company with people committed to excellence, dedicated to the extraction of minerals and selectively integrated in the production and sale of products for the industries essential for human development



Ensure availability of key resources required to support current goals for medium and long-term business growth



Consolidate a culture of lean operations (M1 excellence) throughout the organization, including operations, sales and support areas



Significantly increase nitrate sales for all its applications, and ensure consistency with the iodine sales strategy



Maximize the margins of each business line through appropriate pricing strategy



Successfully develop and implement all lithium expansion projects, acquire more assets to complement our current portfolio

Strengthen the organizational structure to support the development of the strategic plan, focusing on the development of critical capabilities and the application of the corporate values of excellence, integrity and safety

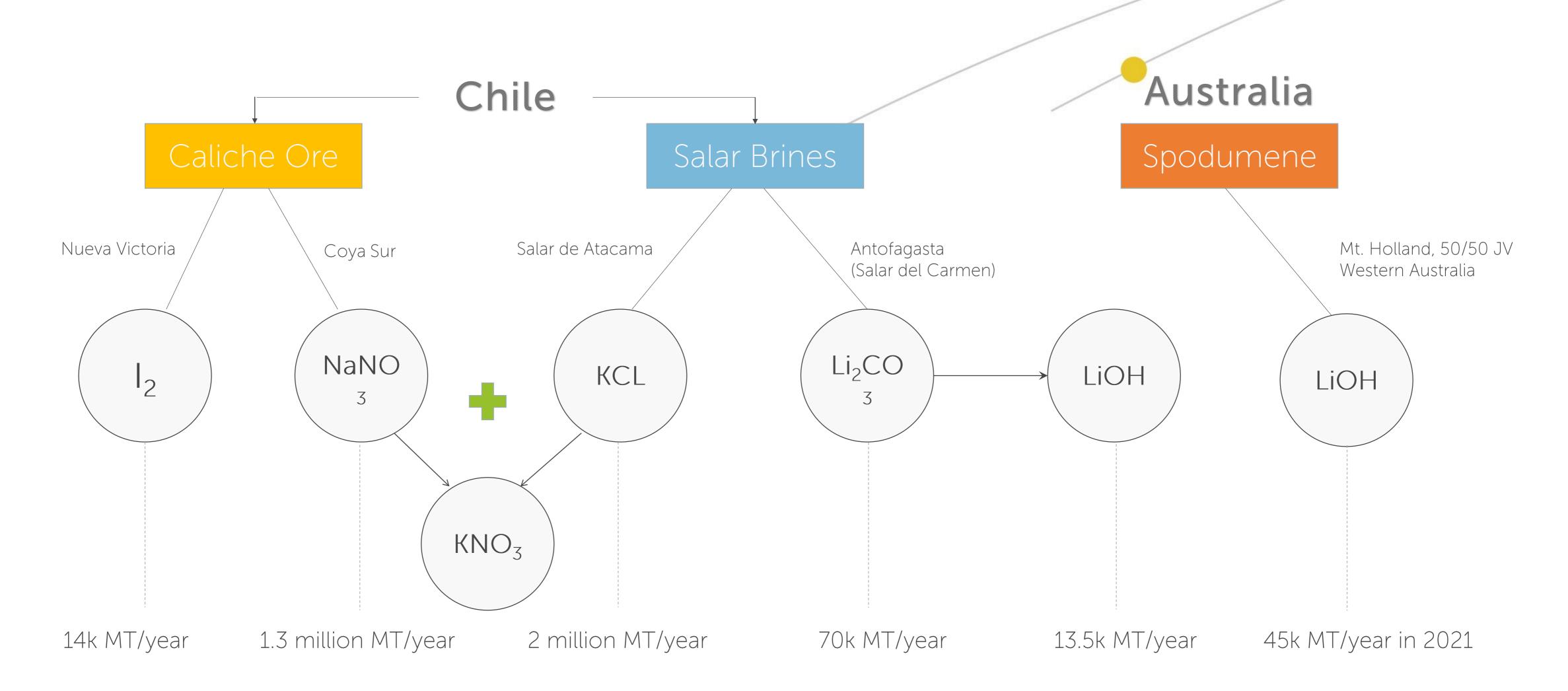
Improve our stakeholder management to establish links with the community, and communicate to Chile and the world our contribution to industries essential for human development

Strengthen the organizational structure to support the development of the strategic plan, focusing on the development of critical capabilities and the application of the corporate values of excellence, integrity and safety





### Solutions SQM AT A GLANCE: Reserves, Products & Capacities





**KEY FIGURES<sup>2</sup>** 

% GROSS PROFIT<sup>2</sup>

### SQM: Well-balanced and diverse product portfolio



**IODINE AND** 

**DERIVATIVES** 

### POTASSIUM



## INDUSTRIAL CHEMICALS



### LITHIUM AND DERIVATIVES

• ~17% Market Share<sup>1</sup>

• Volume: 49 kMT

• Revenues: US\$640 mm

• ~56% Market Share<sup>1</sup>

• Volume: 1,026 kMT

• Revenues: US\$726 mm

**SPECIALTY PLANTS** 

**NUTRITION** 

• ~36% Market Share<sup>1</sup>

• Volume: 13 kMT

• Revenues: US\$359 mm

• <2% Market Share<sup>1</sup>

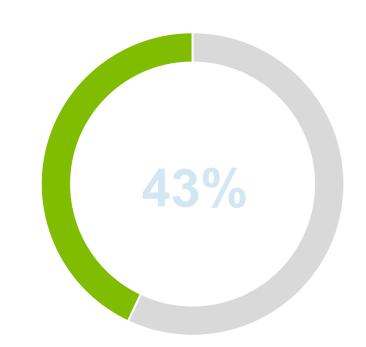
• Volume: 584 kMT

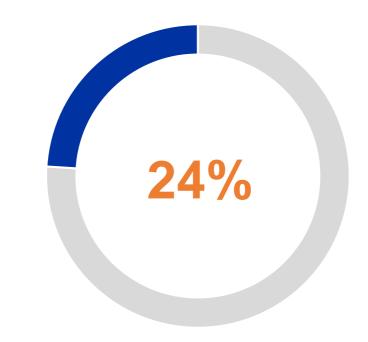
• Revenues: US\$210 mm

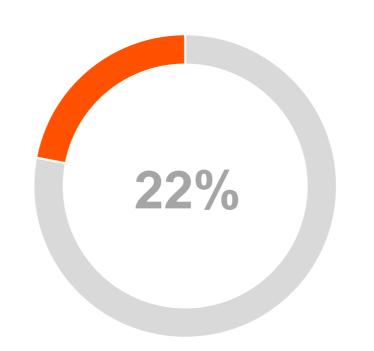
• ~34% Market Share<sup>1</sup>

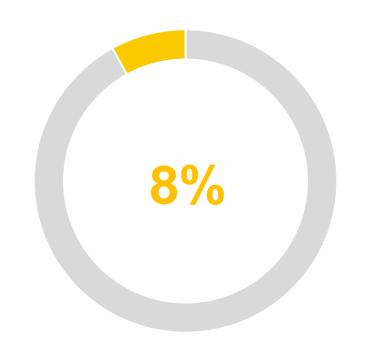
• Volume: 77 kMT

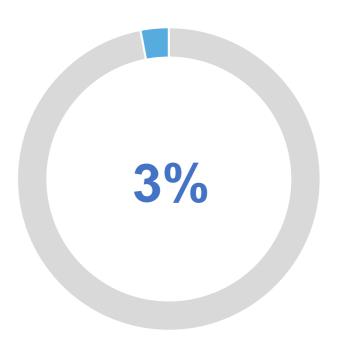
• Revenues: US\$62 mm











2019 LTM<sup>2</sup> Revenues: US\$2.0 billion | LTM<sup>2</sup> 2019 Adjusted EBITDA<sup>3</sup>: US\$706 million | Adjusted EBITDA Margin<sup>3</sup> LTM<sup>2</sup>: 35%

NFD/EBITDA: 0.9 | Moody's: Baa1 | Standard and Poor's: BBB+

<sup>&</sup>lt;sup>1</sup> As of December 31, 2018. Market share percentages have been developed by us using internal and external sources and reflect our best current estimates, which have not been confirmed by independent sources

<sup>&</sup>lt;sup>2</sup> Twelve months ended September 30, 2019

<sup>&</sup>lt;sup>3</sup> Adjusted EBITDA = gross profit - administrative expenses + depreciation and amortization. Adjusted EBITDA margin = Adjusted EBITDA/revenues



## Long-term strategy summary 2019-2025

	LITHIUM AND DERIVATIVES		SPECIALTY PLANTS NUTRITION		IODINE AND DERIVATIVES		POTASSIUM		INDUSTRIAL CHEMICALS <sup>1</sup>	
	LTM <sup>2</sup>	2025	LTM <sup>2</sup>	2025	LTM <sup>2</sup>	2025	LTM <sup>2</sup>	2025	LTM <sup>2</sup>	2025
Sales volumes, kMT	49	173 <sup>(3)</sup>	1,026	1,300	13	16	584	782	77	200
Sales growth, CAGR %	2020: 65k MT 2021-2025: 18%		3.5%		3.5%		Balanced with KNO <sub>3</sub> production		2% + 25k MT (new application)	
Price increase, CAGR %	US\$10-15/kg		2%		4Q19 + 1.5%		1.5%		1.5%	
Cost increase, CAGR %	-US\$500/MT total period		1.5% - US\$35/MT		1.5% - US\$2/kg		1.5% - US\$25/MT		1.5% - US\$20/MT	
Gross margin, US\$/MT, including D&A expenses	US\$5.5k	US\$4.3- 7.3k	US\$147	US\$220	US\$10.4k	US\$17.2k	US\$81	US\$100	US\$281	US\$325

<sup>&</sup>lt;sup>1</sup>Including solar salts <sup>2</sup>Twelve months ended September 30, 2019 <sup>3</sup> Including 150k MT of LCE from Chile and ~23k MT of LCE from Australia



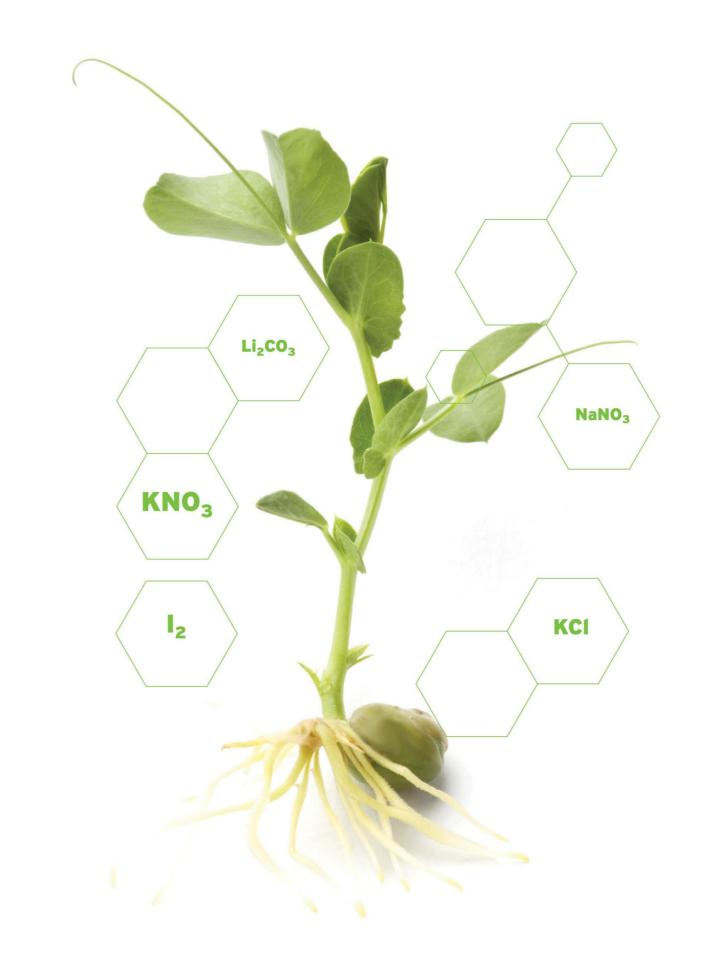
### CAPEX 2019-2023: Sustainable organic growth & M&A

# Total Capex<sup>1</sup>: US\$2.1 billion

# Caliche Ore Operations Total capex: ~US\$800 million

including ~US\$260 million of maintenance

- Potassium nitrate NPT III, NPT IV and sodium nitrate capacity increase
- Sea water pipeline 900 l/s
- lodine capacity increase to 18.5k MT



# Lithium & Potassium Operations Total capex:~US\$1,300 million

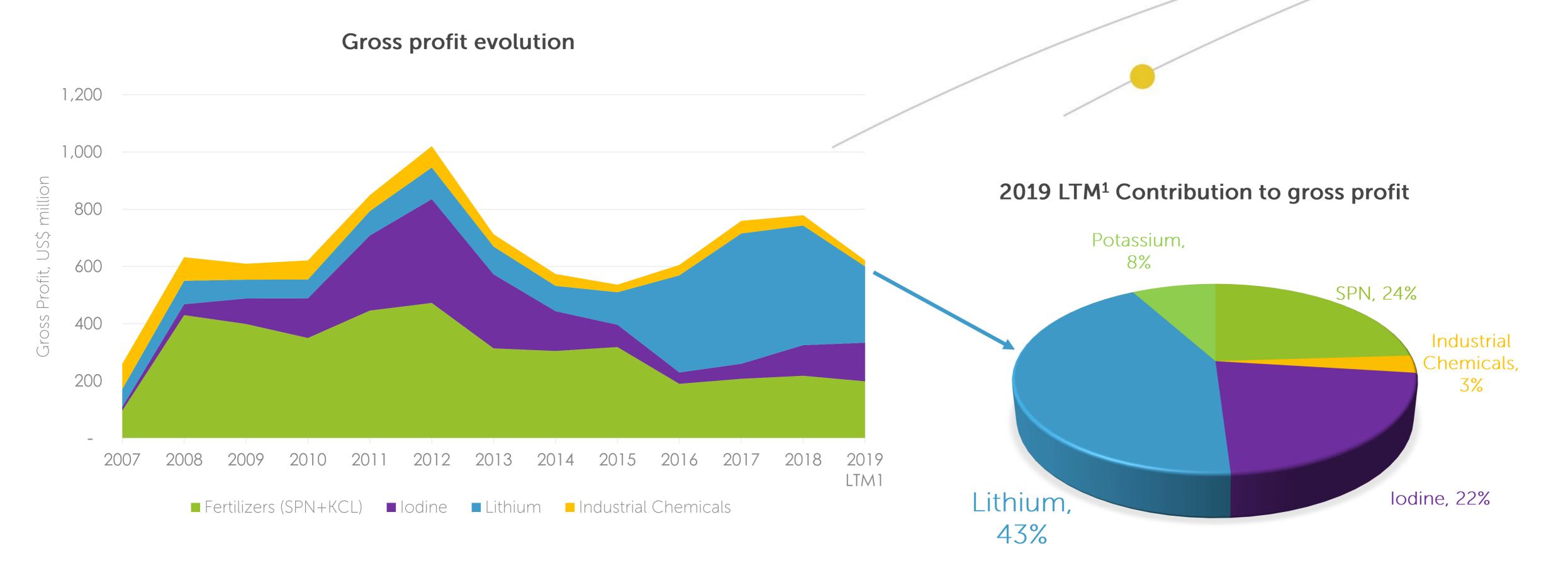
including ~US\$270 million of maintenance

- Lithium carbonate expansion 70-120k MT by 2H2021: US\$280million
- Lithium carbonate expansion 120-160k MT by end of 2023
- Lithium hydroxide capacity expansion 13.5-29.5k by 2H2021: US\$100 million
- Mt. Holland project 50% of 45kMT



### SQM Evolution:

### Lithium represents over 40% of the Company



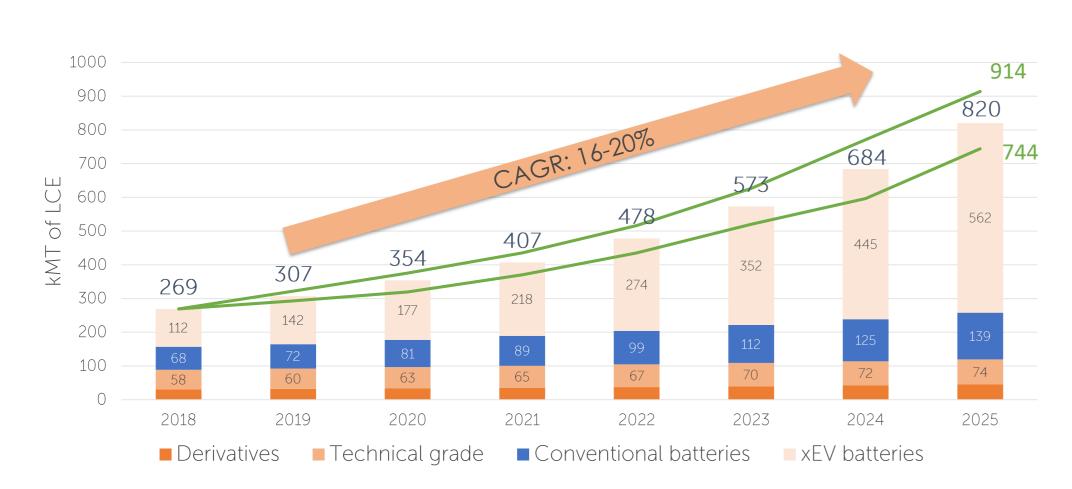
Uniquely positioned for various product cycles. Today, lithium represents over 40% of gross profit.



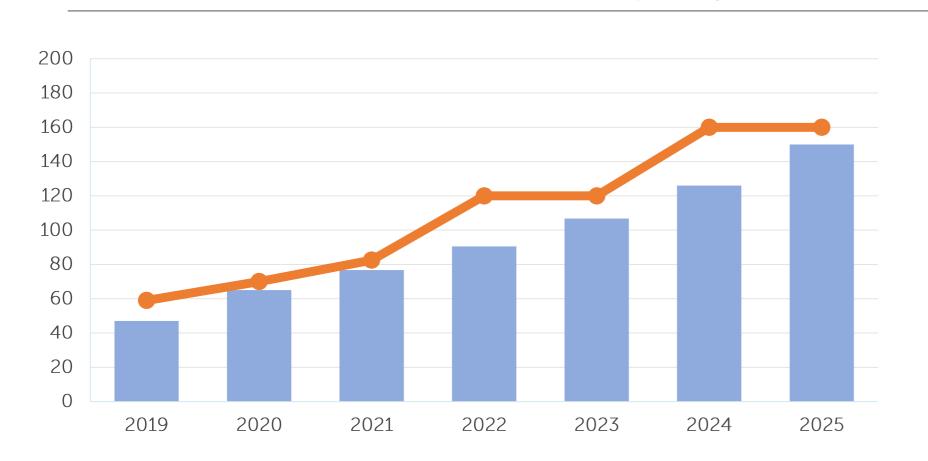
### Lithium demand:

### SQM is well-positioned to capture future lithium growth

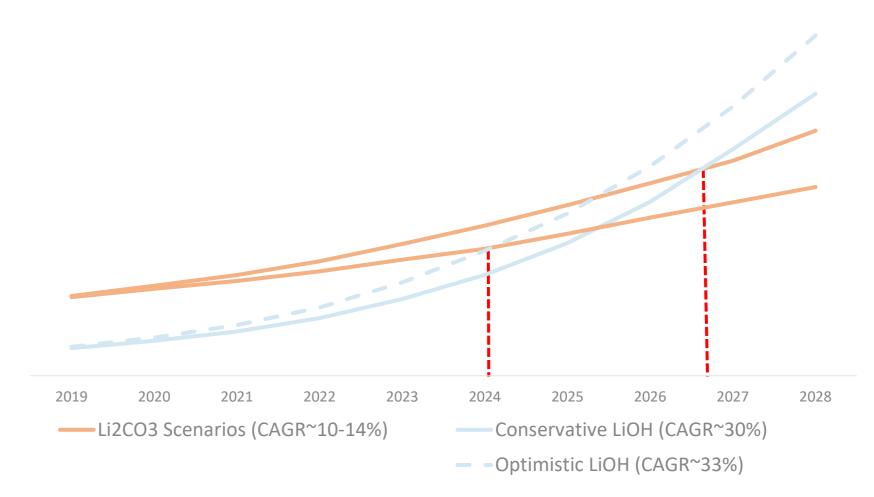
#### Lithium Demand Evolution and Expected Growth



### SQM's Lithium Sales Volumes / Capacity in Chile, kMT



#### Lithium Hydroxide to Surpass Lithium Carbonate<sup>1</sup>



Market share Cathodes / Batteries and Li<sub>2</sub>CO<sub>3</sub>/LiOH demand

- In 2019, 70% of Li<sub>2</sub>CO<sub>3</sub> market share is represented by LFP, LMO, NCM 111 and NCM 532 batteries which use lithium carbonate only, with the exception of LFP.
- In 2028, those cathodes could represent ~30% of market share and NCM 811, NCM 622, NCA batteries will dominate the market.

Depending on the assumptions for the NCA and NCM 811 penetration rates (~32%-38%) and LiOH use in NCM 622 (~15%-30%), the LiOH demand could outpace Li<sub>2</sub>CO<sub>3</sub> demand in 2024-2027.

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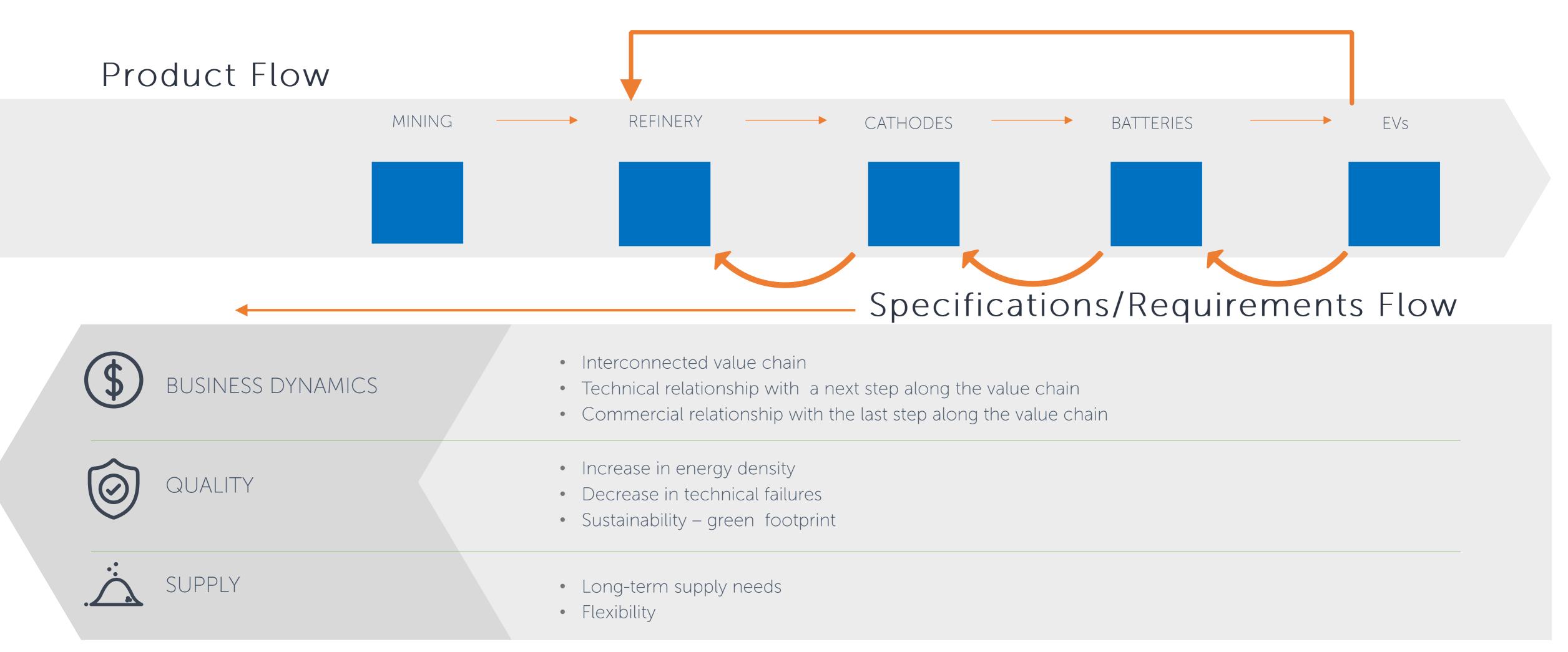
<sup>1</sup> EV = PHEV + BEV

Source: SQM estimates



### Lithium industry: New challenge for lithium producers

The interconnected value chain means more complexity for lithium producers





## Solutions for human SQM lithium: Mt. Holland project in Australia



- Mt. Holland, 50/50 JV with Wesfarmers Limited (ASX:WES)
- Estimated to contain 189 million tons of 1.50% Li<sub>2</sub>O or 7.03 million tons of LCE (according to JORC Code<sup>1</sup> standards)
- One of the world's most significant hard rock lithium deposits.
   Expected to be at the low end of the global hard rock cost curve
- Exclusive option to lease a premier site in Kwinana, Western Australia to build a refinery and produce battery-grade refined lithium
- Production focus on lithium hydroxide
- Capacity: 45k MT of LiOH/year
- Estimated commission date: 2020 spodumene concentrate, 2021 LiOH
- Current status: advancing on feasibility studies for mine, concentrator and refinery



### **Specialty Plant Nutrients**

Potassium nitrate (KNO3) provides unique benefits: chlorine-free, water soluble, and fast absorption

Water soluble segment grows at  $\sim 10\%$  per year, KNO $_3$   $\sim 4-6\%$ 

### SQM competitive advantage

- Access to reserves of both potassium and nitrates
- Developed distribution network and diverse customer base
- 18 WSNPK plants around the world

### Potassium

MOP is the most common used potassium based fertilizer

2019 market size ~ 66 million MT

Major players in Belarus, Canada and Russia

SQM's expected sales in 2019 ~600k MT

### SQM competitive advantage

Low-cost producer of MOP

12

Flexibility to produce MOP and KNO3 depending on market needs

2019 LTM1 CONTRIBUTION TO:

Gross profit

Revenues





Gross profit Revenues





2019 LTM1 CONTRIBUTION TO:

<sup>1</sup> Twelve months ended September 30, 2019



# Solutions for human SQM Specialty Chemicals Businesses: Iodine & Solar Salts

### **lodine and Derivatives**

**lodine** main uses: X-ray contrast media - 23%, pharmaceuticals – 13%, LCD - 12%.

Global demand in 2018 ~37k MT (~3% annual growth)

### SQM competitive advantage

- Lowest-cost producer
- Extensive market knowledge and long-term relationships with our largest customers
- Developed distribution network to respond rapidly to market needs
- Quality of mining reserves and available production capacity of 14k MT per year

Gross profit

2019 LTM1 CONTRIBUTION TO:





Revenues



### Industrial Chemicals

Various traditional uses for industrial nitrates related to glass, metal treatment and explosives

#### Solar Salts:

- A 50MW parabolic CSP plant with 7.5 hours of indirect storage requires ~30k MT of solar salts
- Project being developed in Europe, Northern and Southern Africa, Middle East, Chile, China and Australia
- Sales volumes ~45k MT in 2019
- Sales volumes ~400k MT between 2020-2022

### SQM competitive advantage

- Low-cost producer
- Operational flexibility with certain industrial sodium and potassium nitrate products
- Production of both potassium nitrate and sodium nitrate, the two raw materials in solar salts production

2019 LTM<sup>1</sup> CONTRIBUTION TO:
Gross profit Revenues





# SQM Solutions for human progress

### Responsible management of natural resources.

# for human for human Work in harmony with the environment.

- SQM is working on almost quadrupling lithium production without extracting more brine from the Salar de Atacama.
- Significant capacity increase in nitrates and iodine will include development of a sea water project for 900 l/s of total capacity.
- Our operations are located in desert areas with scarce biodiversity. However, there are areas near our operations with significant ecological value, where we have implemented ongoing protection, monitoring and control plans to help protect the environment.



# AT THE SPEED OF THE SUN

SQM supports this solar race as a sign of its commitment to the development of renewable energies in Chile and the world through our lithium and solar salt products.







100%

OF WATER TREATED IN SQM SEWAGE

SQM SEWAGE
TREATMENT PLANTS IS
REINCORPORATED INTO
ITS PRODUCTION
PROCESSES



95.8%

OF THE ENERGY
REQUIRED FOR OUR
OPERATIONS IS SOLAR



58%

OF THE INDUSTRIAL WASTE GENERATED IS RECYCLED BY THE COMPANY

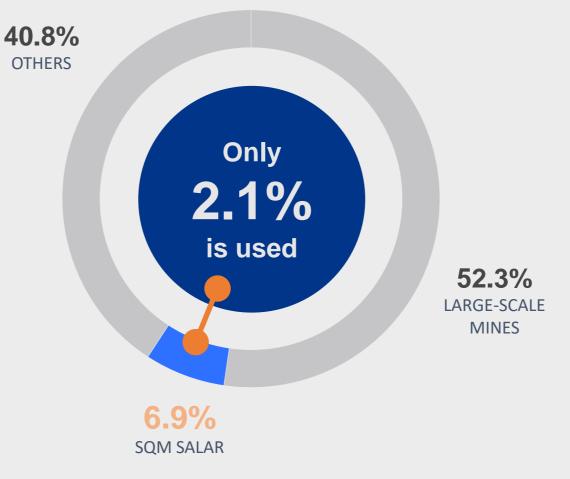
# SQM Solutions for human progress

### Low water footprint.

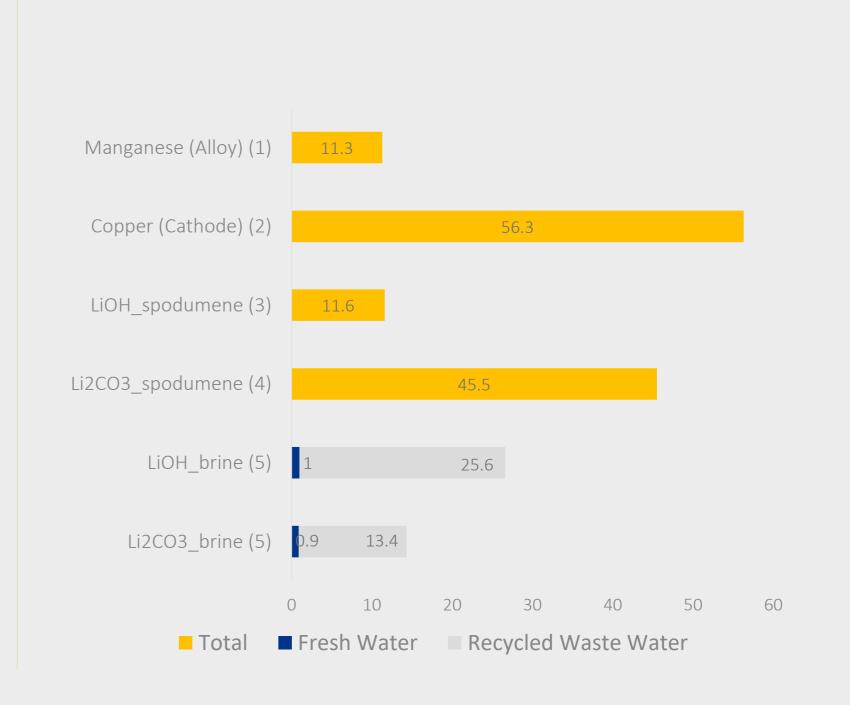
### Brine reservoir must not be confused with water aquifer.

A reservoir is a porous geological formation, which is able to transmit the liquid or gas that it contains. There are 3 main reservoir types: gas/petroleum, brines and aquifers. Brines reservoirs are mining resources and aquifers are water resources. SQM produces lithium from high density brines, which contain six times the amount of salt in seawater. SQM uses minimal fresh water in the Salar de Atacama to support potassium and lithium production.

# Salar de Atacama Water Rights



# Water Consumption, I/kg



(1) Cradle-to-gate life cycle assessment of global manganese alloy production, International Manganese Institute, 2016. (2) Concentrator. Cochilco Report, 2017. (3) Covalent Lithium Earl Grey, EPA, Jan. 2019. (4) Covalent Lithium Earl Grey, EPA, Jan. 2019 & Tianqui report 2017: Hongtianqi Lithium Industry Co., Ltd. (5) SQM Estimates.

The LiOH water footprint calculation includes the entire production process from the raw material extraction through final packaging in the plant. Calculations made for lithium are preliminary and are subject to change depending on the methodology.



### Sustainable lithium production.

### Small Carbon Footprint is the main objective.



# CARBON FOOTPRINT

- SQM lithium carbonate's carbon footprint is 1.5 kg CO2-eq/kg<sup>1</sup>. In comparison, copper's is ~3x<sup>2</sup> and cobalt's is ~8x<sup>3</sup> times more.
- SQM's carbon footprint is very small because of the use of solar energy in lithium brine concentration.



# **ENERGY** FOOTPRINT

- SQM's lithium carbonate production requires ~0.27 kWh/kg¹ of energy. In comparison, cobalt and copper productions require ~46x² and 48x³ times more energy respectively.
- Unlike typical mining processes
   that rely on heavy energy
   consumption for blasting, grinding
   and extraction, SQM uses solar
   radiation with a longer processing
   time generating a lower energy
   footprint.



### WATER FOOTPRINT

- SQM's lithium hydroxide production consumes 27 l/kg of water.
- SQM's water footprint is very small because the process is based on solar concentration of brines, therefore there is little direct usage of freshwater.



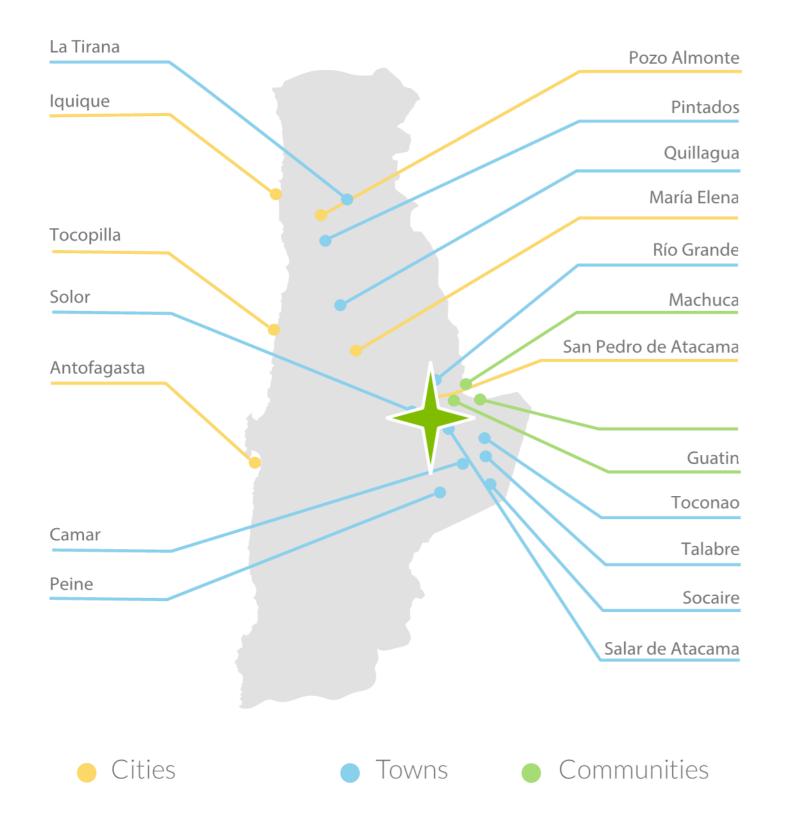
# LABOR CONDITIONS & COMMUNITIES

- SQM scored a 0.49 Frequency Index (Security Index) in 2018 representing 1/3 of the Chilean mining average of 1.65 (the lower the score, the better)
- SQM is engaged in different programs to foster the social and economic welfare of neighboring communities.
- SQM internal practices and regulations adhere to the principles contained in the Universal Declaration of Human Rights.



### Solutions Continue to uphold commitments to communities

Working with our neighbors to create programs which improve their quality of life and preserve their traditions.



Geographic location of cities, towns and indigenous communities near SQM's operations in the Tarapacá and Antofagasta regions.

- Historical heritage
- Music, literature, arts and tourism programs



- Education and culture
- 1,700 students in math assistance program



- Solidary Work
- 2,000 hours of voluntary work in 2018

+150

- - Development programs
  - Various agricultural programs



### Our customers – our main source of knowledge



WORLD AND CONTRIBUTE TO ITS DEVELOPMENT

**CUSTOMERS** IN MORE THAN

110 COUNTRIES

> 20+ commercial offices

COMMERCIAL EXPERIENCE

TECHNICAL EXPERIENCE AND KNOW-HOW

PRESENCE IN MATURE & DEVELOPING MARKETS

LOCAL PRESENCE AND LOGISTICS

experience in lodine and **Nitrates** 

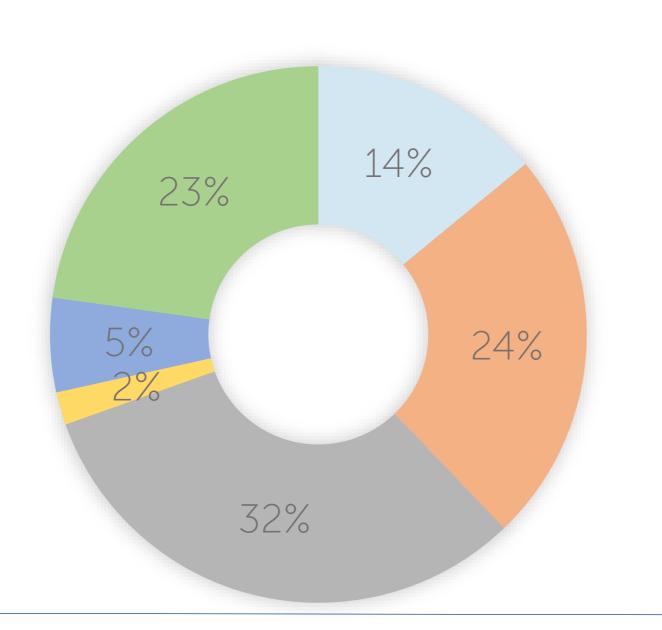
20+ years experience in **Potassium and** Lithium



Appendix

### Other Relevant Information





### Ownership Structure<sup>1</sup>

- Bank of New York Mellon (ADRS)
- Tianqi
- Pampa Group
- Kowa Group
- Chilean Pension Funds
- Others Chile

### Dividend Policy<sup>2</sup>

Dividend Payout (% of Net Income)	100%	80%	60%
Current Assets  Current Financial Liabilities	≥ 2.5	2.0	1.5
Liabilities–Cash–Other Current Fin. Assets Equity	≤ 0.8	0.9	1.0

 If none of the above parameters are met, dividend payout would be 50% of 2019 net income

### Dividends announced and paid in 2019

May 2019	US\$109 million	Final dividend 4Q2018
June 2019	US\$81 million	Interim dividend 1Q2019
September 2019	US\$70 million	Interim dividend 2Q2019
December 2019	US\$61 million	Interim dividend 3Q2019
Total	US\$267 million	

<sup>&</sup>lt;sup>1</sup>According to the Shareholder Registry as of August 20, 2019

<sup>&</sup>lt;sup>2</sup> Please see the full version on our website at www.sqm.com



### Review of Results



### Performance Drivers

- Average lithium prices are ~28% down, sales volumes are up 12% in 9M19 vs 9M18
- SPN sales volumes are down ~7% and price is ~2% lower in 9M19 compared to 9M18
- lodine prices are up ~19% and sales volumes are ~4% lower in 9M19 compared to same period last year
- Potassium sales volumes are down 35% in 9M19 vs 9M18, prices are ~14% up
- Lower Industrial chemicals volumes due to solar salts sales programed for the 4Q19



### Agreement with CORFO

### Payments<sup>1</sup>

Li <sub>2</sub> (	$CO_3$	LiOH			
US\$/MT	<b>%</b> <sup>2</sup>	US\$/MT	<b>%</b> <sup>2</sup>		
< 4,000	6.80	< 5,000	6.80		
4,000 - 5,000	8.00	5,000 - 6,000	8.00		
5,000 - 6,000	10.00	6,000 - 7,000	10.00		
6,000 – 7,000	17.00	7,000 – 10,000	17.00		
7,000 – 10,000	25.00	10,000 -12,000	25.00		
> 10,000	40.00	> 12,000	40.00		

### Example

Lithium Average Price, US\$/MT	12,000		10,000		8,000		
Lease Fee	%	US\$/MT	%	US\$/MT	%	US\$/MT	
Since April 10, 2018							
Li <sub>2</sub> CO <sub>3</sub>	18.1%	2,172	13.7%	1,372	10.9%	872	
LiOH	12.8%	1,530	10.3%	1,030	8.6%	690	
Original Agreement <sup>3</sup>							
Li <sub>2</sub> CO <sub>3</sub> , LiOH	6.8%	816	6.8%	680	6.8%	544	

#### Production Allowance

- Total production quota until 2030: 349,553 MT of LME
- Total in LCE: ~2.2 million MT

#### Capacity Expansion Options

- Expansion 1: 50,000 MT by 2023
- Expansion 2: 100,000 MT (in four stages of 25,000 MT)

### Contribution to the Development & Communities

- Annual contribution of ~ US\$11-19 million for R&D efforts
- Annual contribution of ~ US\$10-15 million to neighboring communities of the Salar de Atacama
- Annual contribution of 1.7% of SQM Salar's sales per year to regional development



### Strong Financial Position

Accounts Receivables (Months of Sales)



Sep 18 Dec 18 Jun 19 Sep 19

Liquidity (Current Assets/Current Liabilities)



Net Financial Debt/ EBITDA



Sep 18 Dec 18 Jun 19 Sep 19

Inventory (Months of Sales)



Sep 18 Dec 18 Jun 19 Sep 19

Cash / Short-Term Financial Debt

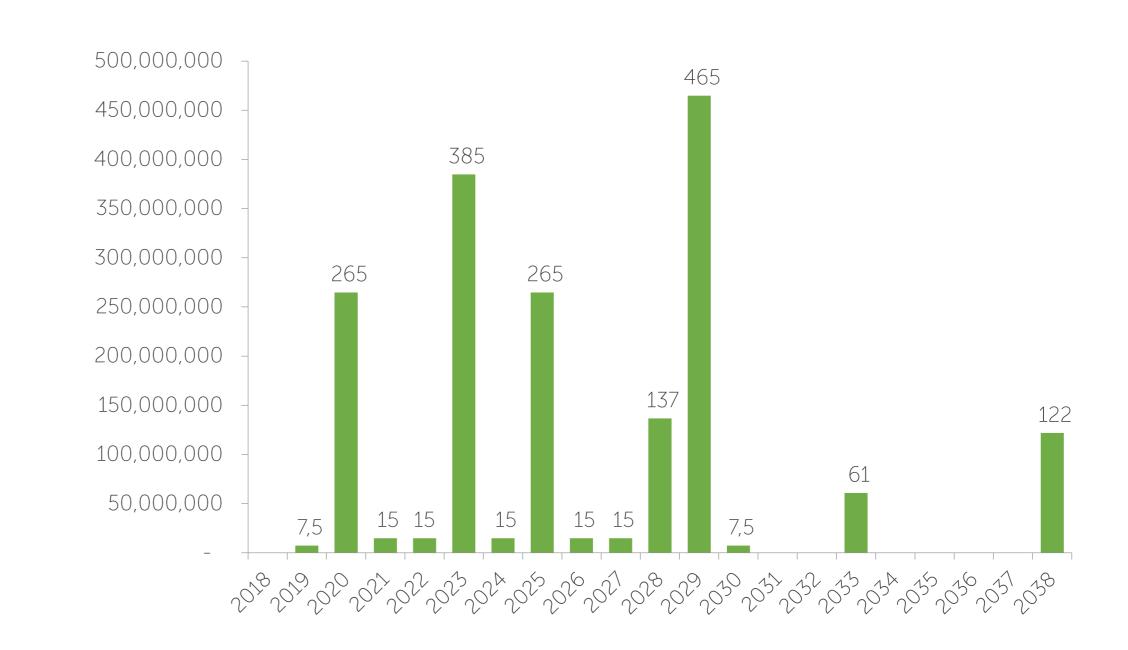


Leverage



Sep 18 Dec 18 Jun 19 Sep 19







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