

# INVESTOR PRESENTATION

## 3Q/9M22 RESULTS BRIEFING



# NIKL and EPI 9M2022 Highlights

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## Nickel Mining

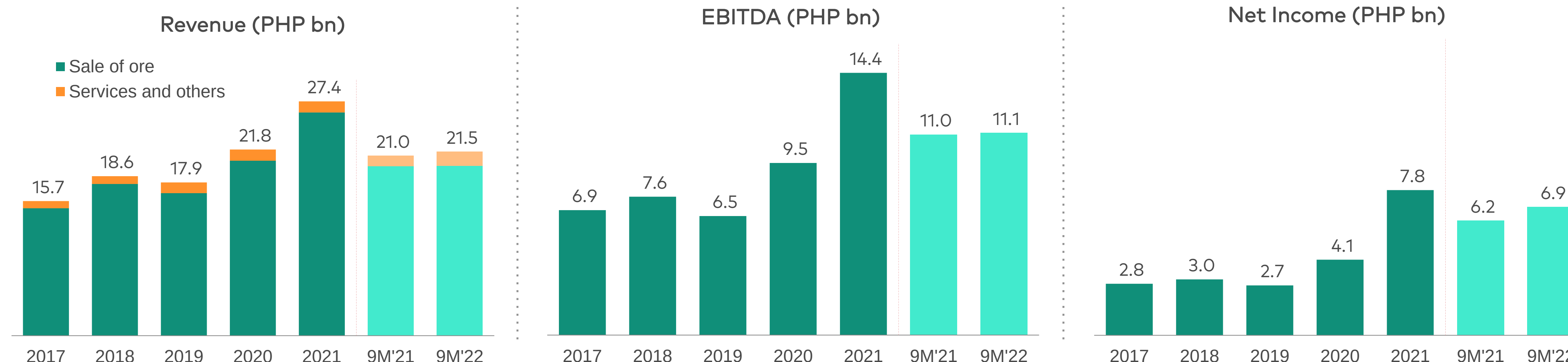
- Reported attributable net income of P6.9 billion for 9M-2022, up 12% YoY
- We sold 12.44 mWMT of nickel ore for 9M-2022, down 14% YoY caused by unfavourable weather that affected mining operations.
- Declared special cash dividend of P0.23 per share to stockholders of record as of Nov. 24, 2022 payable on Dec. 9, 2022
- Effective Oct. 3, 2022, the Company increased its stake in CBNC from 10% to 15.625%
- Dinapigue mine (DMC) started export of nickel ore to China in 3Q-2022
- Creation of NAC BOD Level Sustainability Committee

## Renewable energy (Emerging Power Inc.)

- Last July 2022 EPI successfully expanded Jobin-SQM Inc. (JSI) by another 38-MW bringing total capacity to 100-MW for the solar power plant in Subic resulting in higher generation capacity to 79,022-megawatt hours, or an increase of 56% YoY
- JSI's 9M22 Revenues is up 60% YoY to P393.6 million and EBITDA up 73% YoY to P331.1 million, and net income is up 630% YoY to P72.8 million
- JSI began the development and construction of an additional 68 MW in Subic site last September, set to go online by 4Q2023
- Our Sta. Rita solar power plant is Ranked 1<sup>st</sup> in Luzon in terms of the Forecast Accuracy Standards for variable renewable energy sources in the WESM.
- In July 2022, EPI forged a joint venture with Shell Overseas Investments B.V. to develop up to 1GW renewable capacity by 2028



# FINANCIAL HIGHLIGHTS (FY 2017 to 9M'2022)

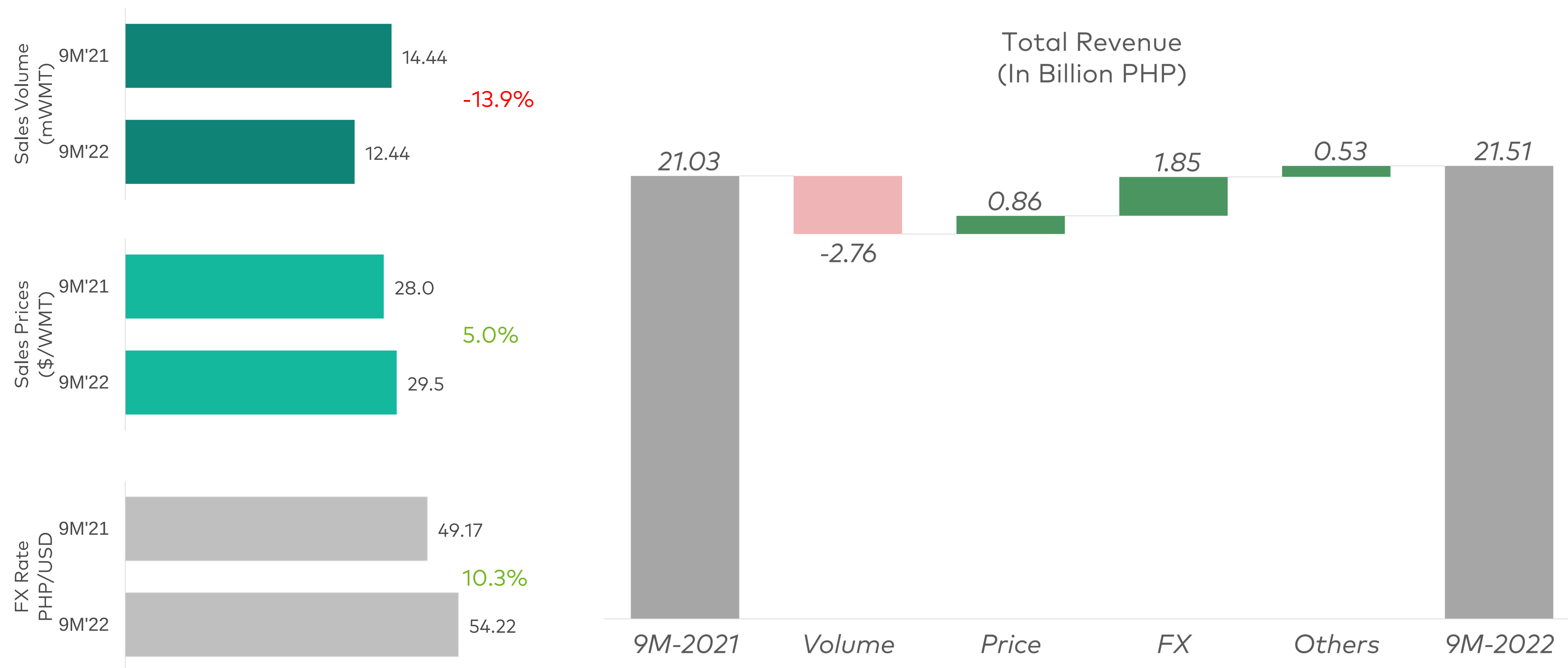


|                                           |                 | 2017   | 2018   | 2019   | 2020   | 2021   | 9M'21  | 9M'22  |
|-------------------------------------------|-----------------|--------|--------|--------|--------|--------|--------|--------|
| EBITDA margin                             |                 | 44%    | 41%    | 36%    | 43%    | 53%    | 52%    | 52%    |
| Net income margin                         |                 | 18%    | 16%    | 15%    | 19%    | 29%    | 29%    | 32%    |
| Ave. Ni LME price per pound (US\$)        |                 | 4.72   | 5.95   | 6.32   | 6.25   | 8.39   | 8.18   | 11.66  |
| Average price in US\$/WMT                 | Ore Exports     | 24.42  | 21.53  | 23.52  | 33.99  | 40.40  | 38.88  | 38.87  |
|                                           | HPAL Deliveries | 6.31   | 9.97   | 8.19   | 8.33   | 12.11  | 11.54  | 18.55  |
| Effective Ni Pay factor <sup>1</sup>      | Ore Exports     | 24.67% | 16.30% | 16.94% | 25.18% | 24.11% | 23.58% | 17.86% |
|                                           | HPAL Deliveries | 7.77%  | 8.10%  | 8.21%  | 8.33%  | 8.81%  | 8.77%  | 9.39%  |
| Dividend Yield <sup>2</sup>               |                 | 1.2%   | 8.2%   | 2.4%   | 10.8%  | 8.2%   | 4.2%   | 3.4%   |
| Cash dividend payout ratio of PY earnings |                 | 31%    | 115%   | 32%    | 152%   | 151%   | 77%    | 38%    |

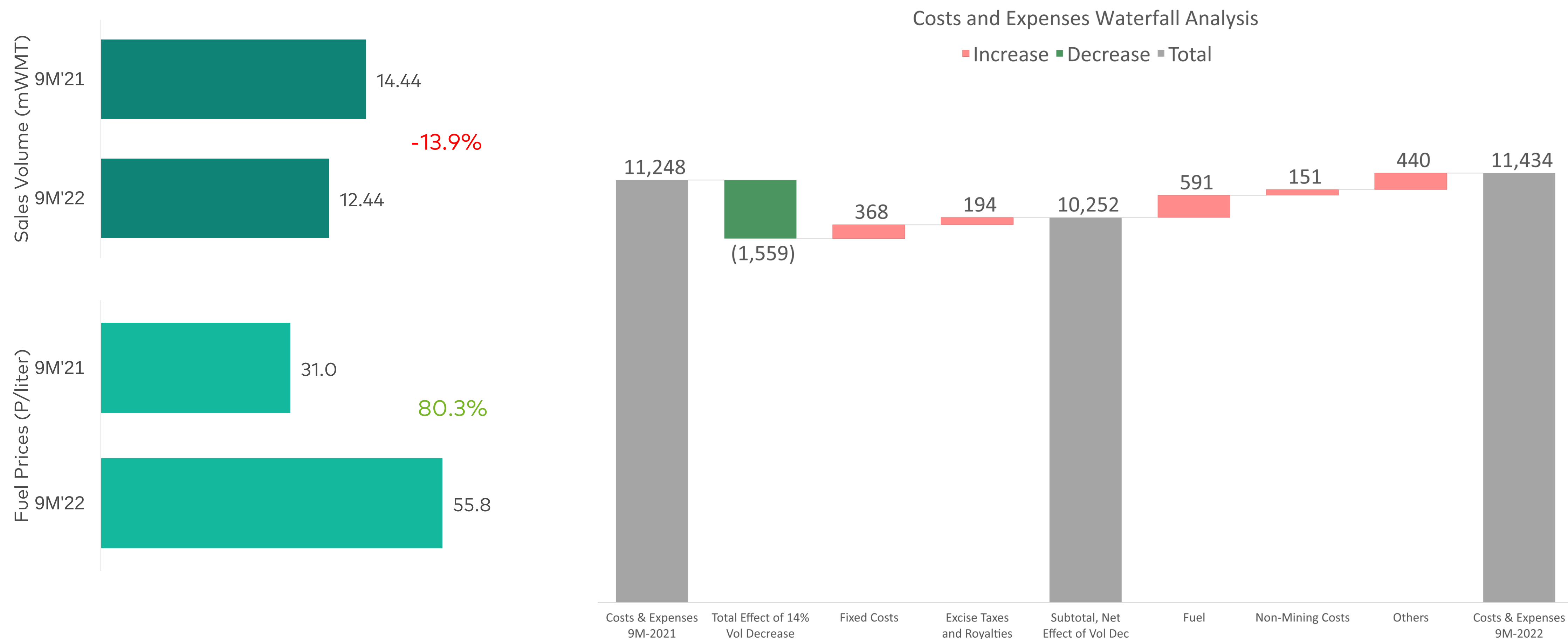
Source: Company Data

- Ni Pay factor is the ratio of revenue to LME price for each unit of contained nickel sold.
- Dividend yield is computed as dividend per share divided by average NIKL price per share

# REVENUE – VARIANCE ANALYSIS (9M ended comparison)



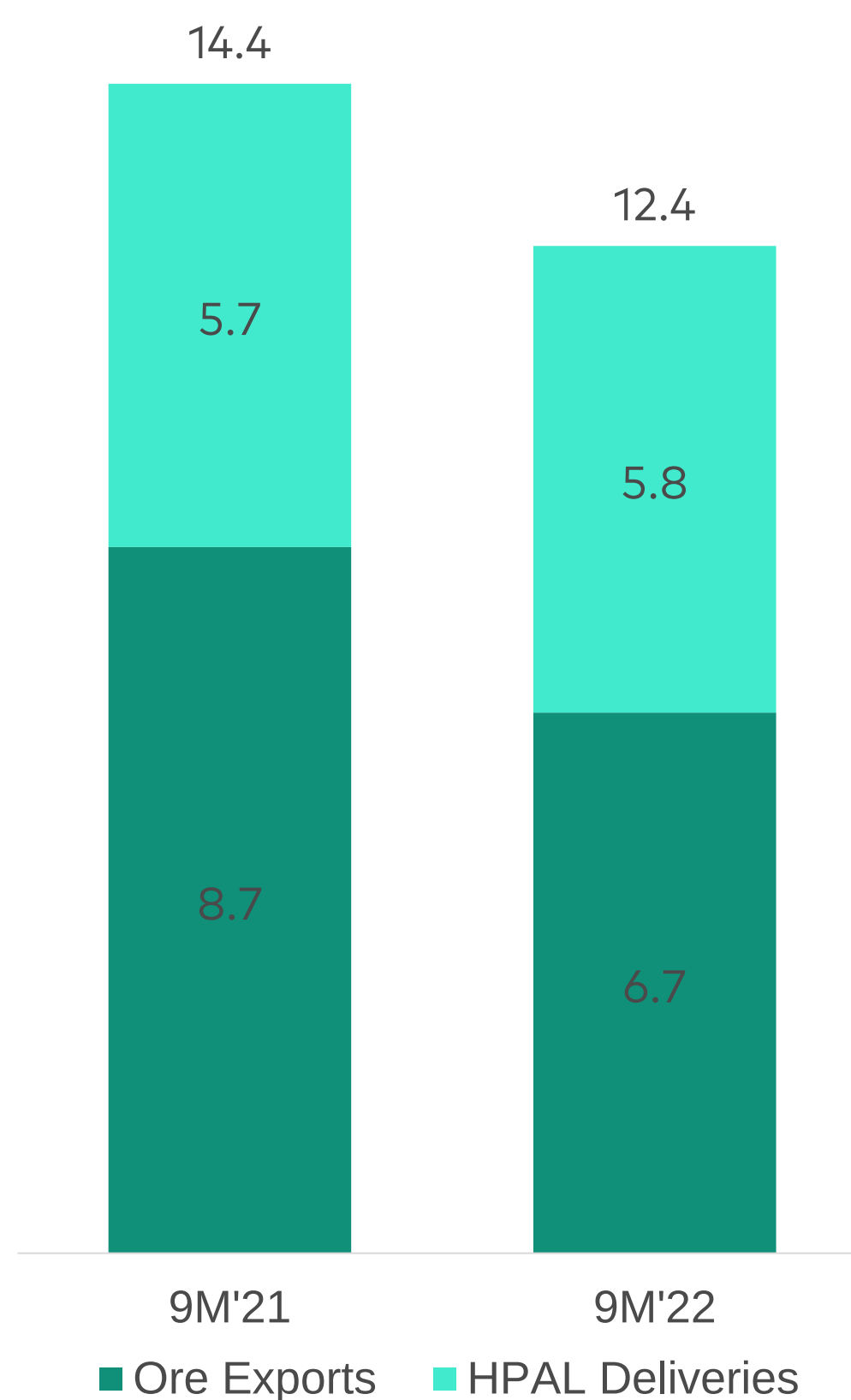
# Cost & Expenses – VARIANCE ANALYSIS (9M ended comparison)



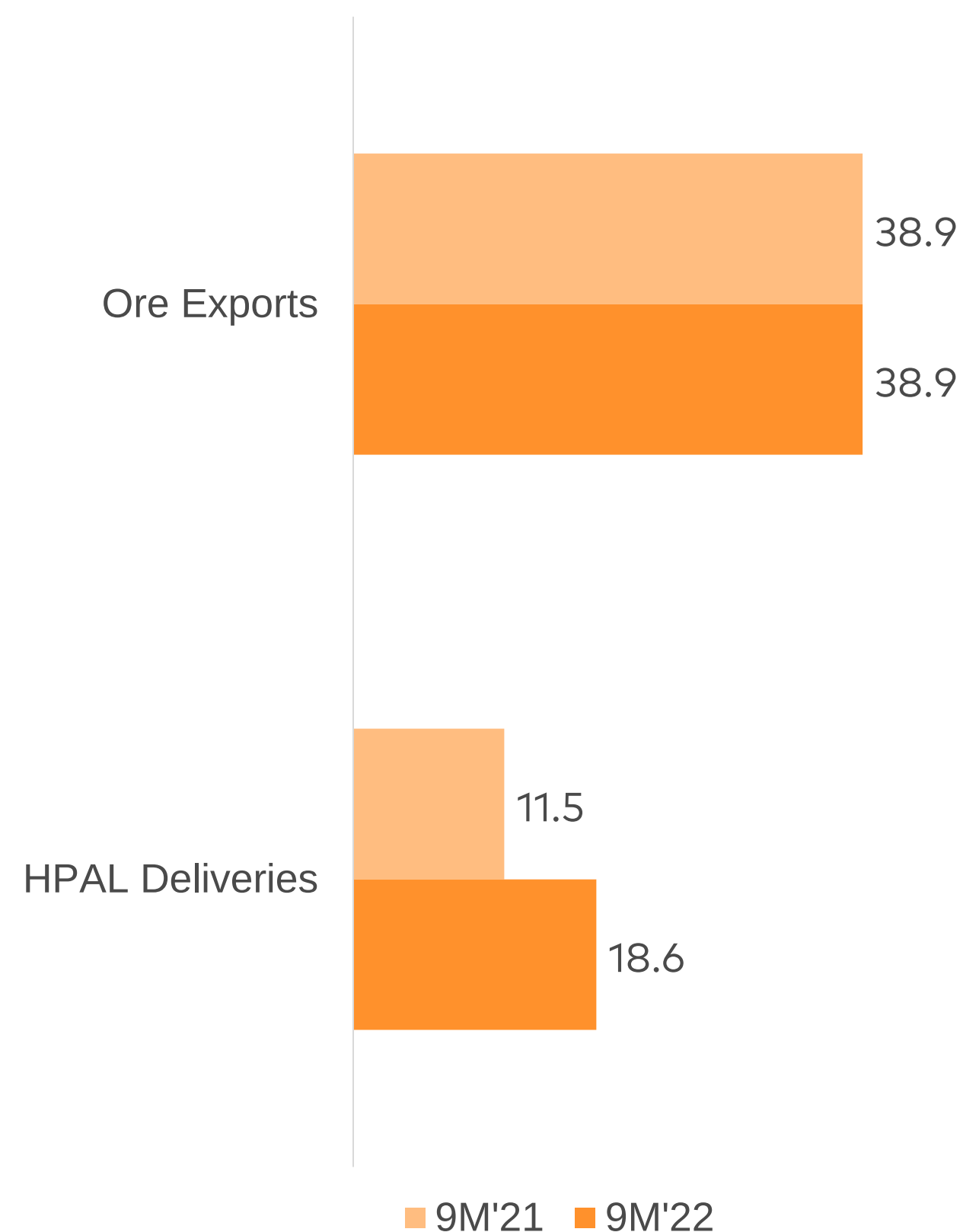


# SHIPMENTS AND REVENUES BY ORE TYPE (9M ended comparison)

Sales Volume (In mWMT)



Average Ore Sales Prices  
(In US\$/WMT)



Revenue (In PHPbn)





# OVERVIEW





## OUR INVESTMENT STORY

We are well-positioned to achieve our twin goals of being included in PSE's Top 25 companies in terms of market capitalization and becoming a Premier ESG investment by 2025:

- 1 Leading, growing, profitable, and rewarding mining business underpinned by a structurally supportive industry outlook on the Green mega-trends such as electric vehicle adoption and renewable energy
- 2 The growing renewable energy business diversifies NAC revenue streams and accelerates its next leg of growth
- 3 ESG is ingrained in our DNA, affirmed by the lasting impact we leave in the communities we touch and the recognition and awards we continuously receive due to our sustainable business operations and practices



# NICKEL MINING

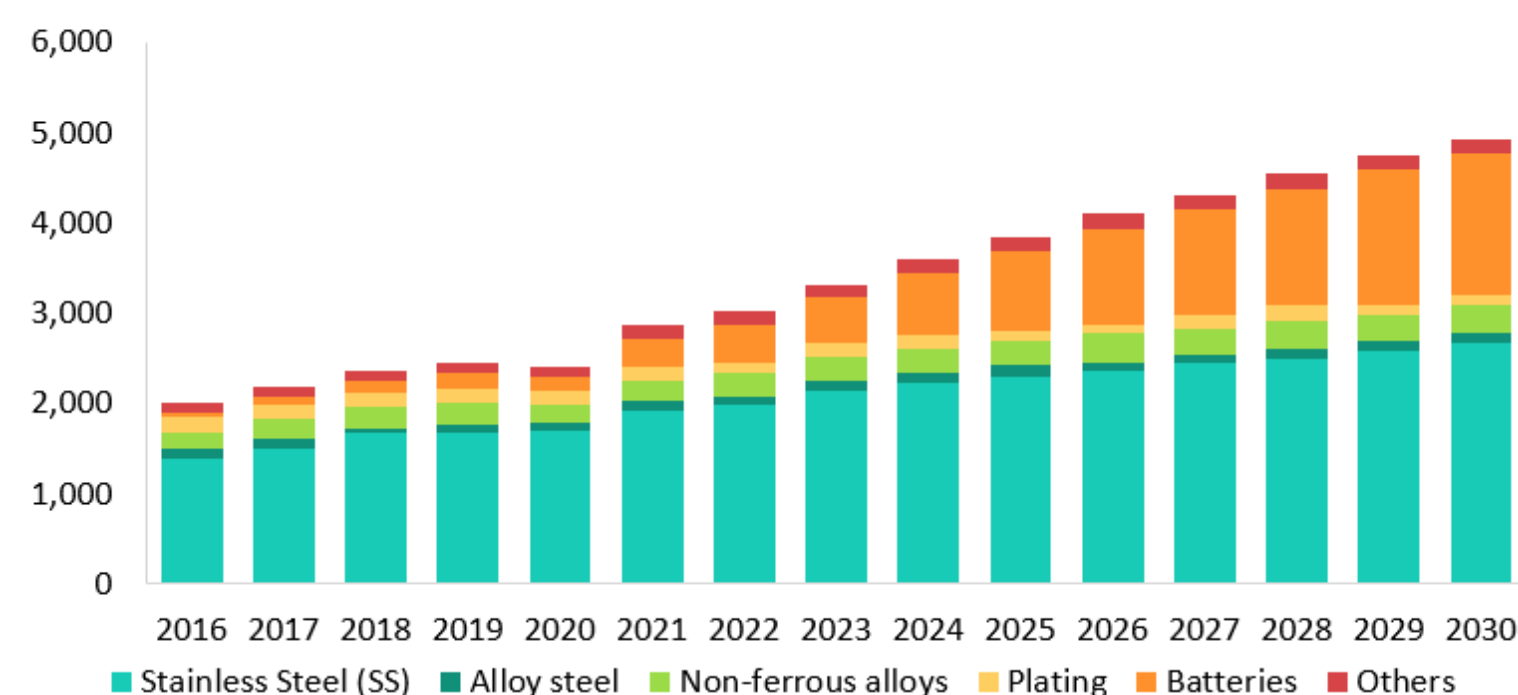


# EV MEGATREND (AND RESILIENT SS DEMAND) WILL SUPPORT AND DRIVE NICKEL PRICES

## BOOST IN NICKEL DEMAND FROM UTILIZATION OF BATTERIES

- Emerging utilization of nickel in batteries in recent years boosted nickel demand over the long term
- Ni demand for battery use will rise rapidly from 11% in 2021 to 31% in 2030 driven by strong EV sales and high-nickel NCM cathode component in Li-ion batteries

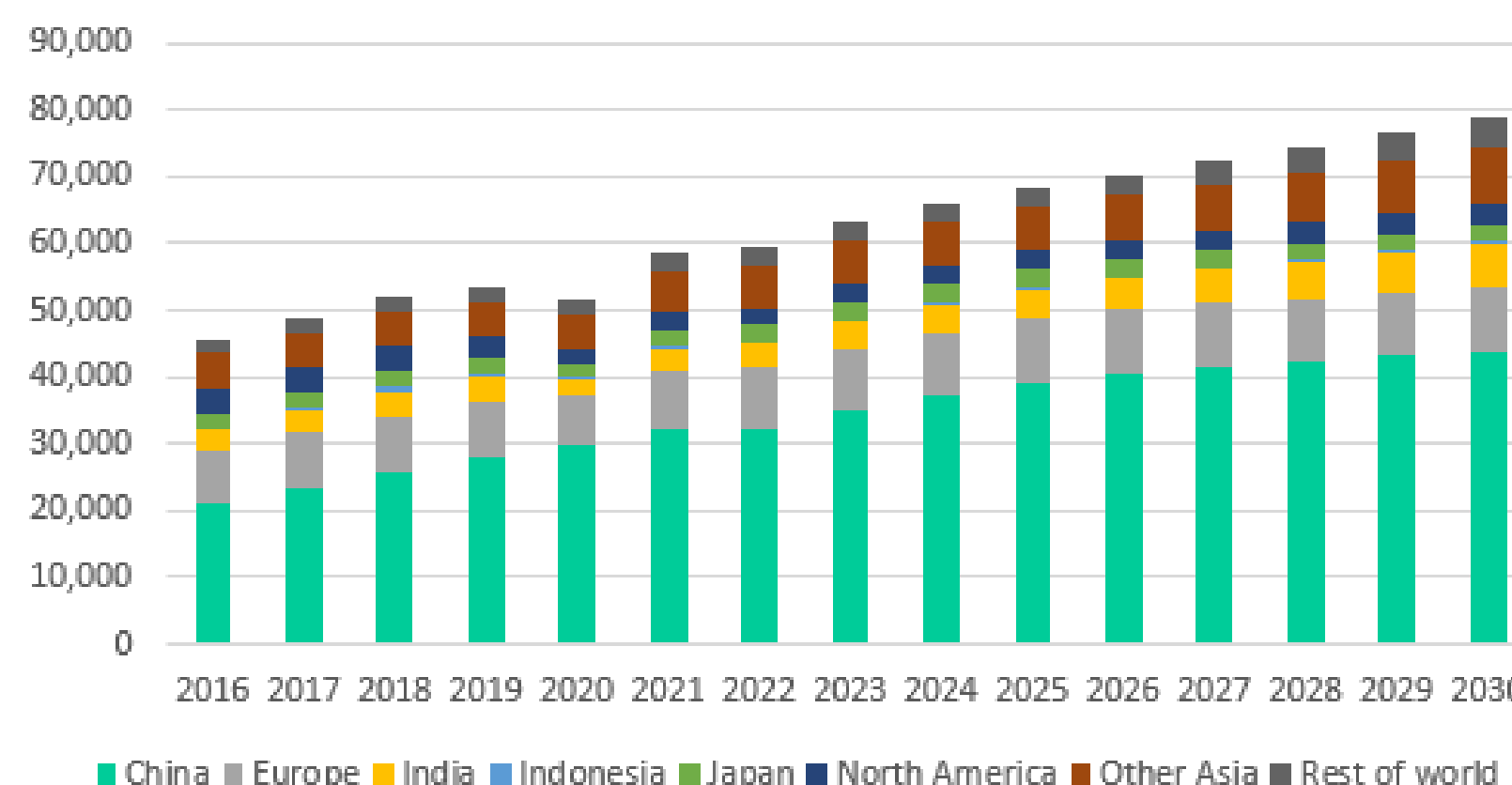
Primary nickel demand by end-use sector, 2016-2030, kt Ni



## STAINLESS STEEL'S RESILIENT GROWTH REMAINS

- Demand for stainless steel expected to grow at a CAGR of 3.3% between 2021 and 2030, increasing from 58.7 Mt in 2021 to 78.1 Mt in 2030
- Philippines will remain the largest, cost-efficient supplier to China by 2030

Stainless steel demand by region, 2016-2030, Mt gross weight



Source: CRU



## HIGHER NICKEL PRICES IS NEEDED TO INCENTIVIZE PRODUCTION

- Nickel prices need be sustained at a level that will incentivize investment new nickel processing capacity
- CRU forecasts long term nickel prices at \$20,184/t Ni, which is the price that they believe is necessary for supply to meet long term demand growth.



# DEVELOPMENT PIPELINE

|                              | BULANJAO                      | MANICANI                      | KEPHA                      |
|------------------------------|-------------------------------|-------------------------------|----------------------------|
| Resources as of 12/31/2021   | 70M WMT<br>@1.61% Ni          | 47M WMT<br>@1.55% Ni          | 6M WMT<br>@1.22% Ni        |
| Percent of MPSA Area Drilled | 22% of<br>3,553 hectares      | 38% of<br>1,165 hectares      | 2% of<br>6,981 hectares    |
| Target Annual Production     | 4M+ WMT                       | 2M+ WMT                       | 2M+ WMT                    |
| Target Annual Product Mix    | 35% Saprolite<br>65% Limonite | 50% Saprolite<br>50% Limonite | n/a                        |
| Pending Issues               | Regulatory                    | Regulatory<br>(ECC Amendment) | Technical<br>(Exploration) |
| Target Start Date            | 2023                          | 2024                          | TBD                        |

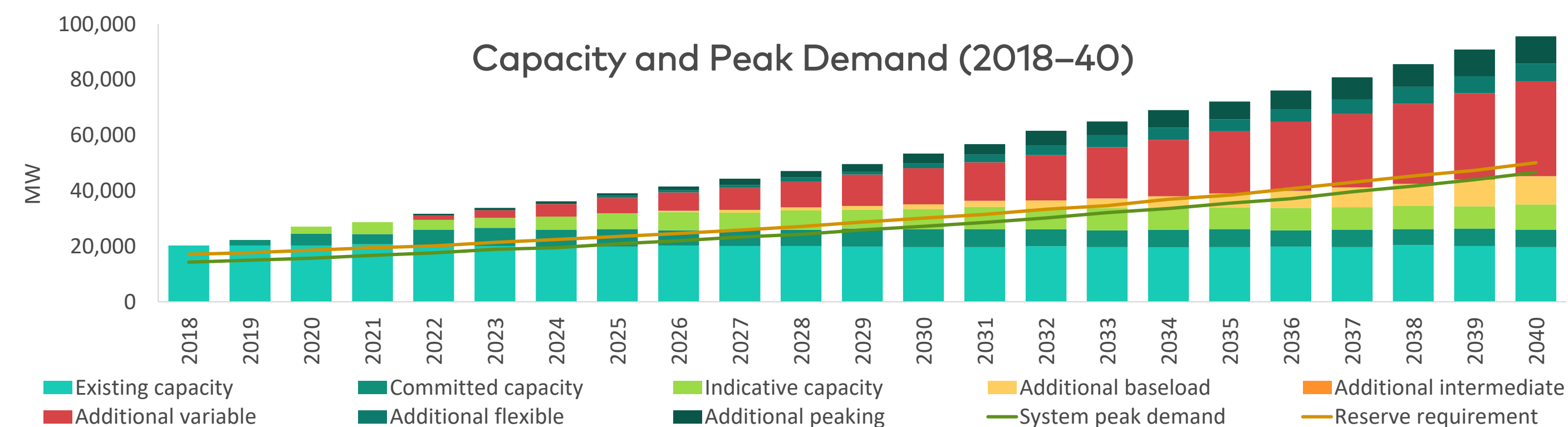


# RENEWABLE ENERGY



# PHILIPPINE SHIFT TO RENEWABLE ENERGY

- Demand growth of 6%+ p.a. until 2040, exceeding dependable capacity by 2024:



- Key drivers of electricity consumption:



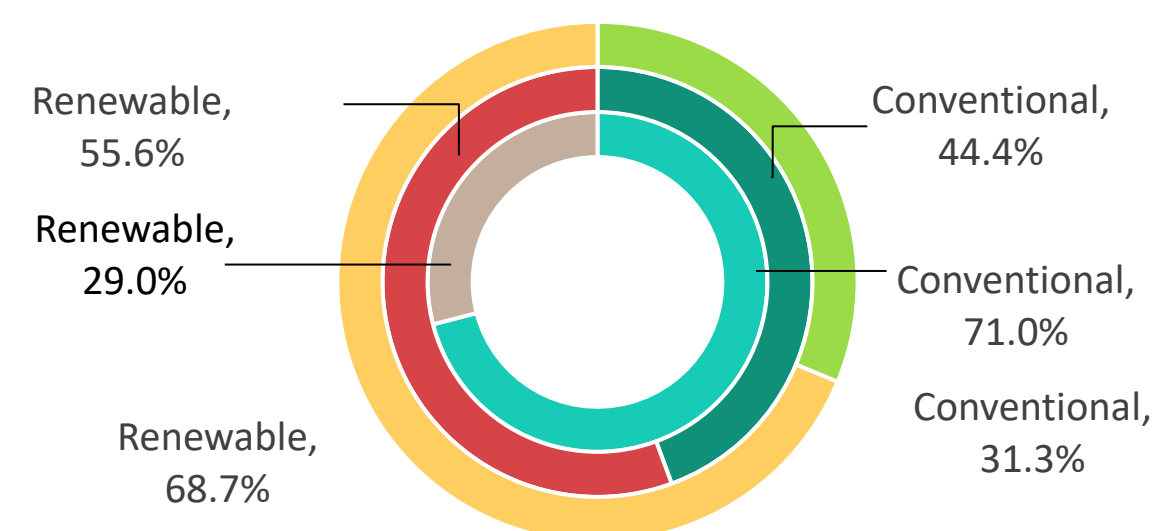
Strong macroeconomic and demographic growth



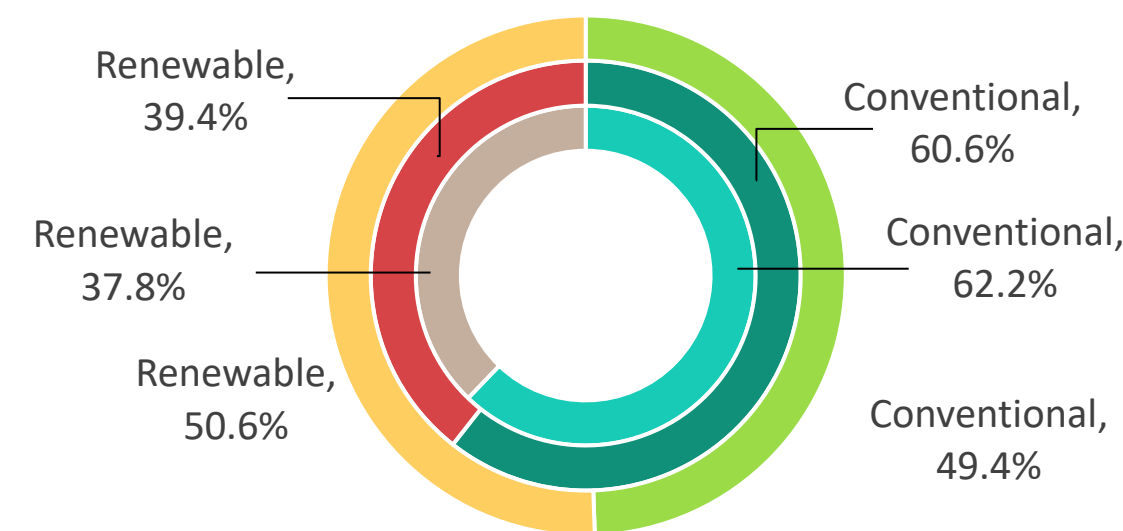
Government goal to achieve 100% electrification rate by 2022

- Over 50% of electricity demand to be supplied by RE by 2040, half from solar:

**Installed Capacity by Fuel Type  
(2020 vs. 2040)**



**Power Generation by Fuel Type  
(2020 vs. 2040)**



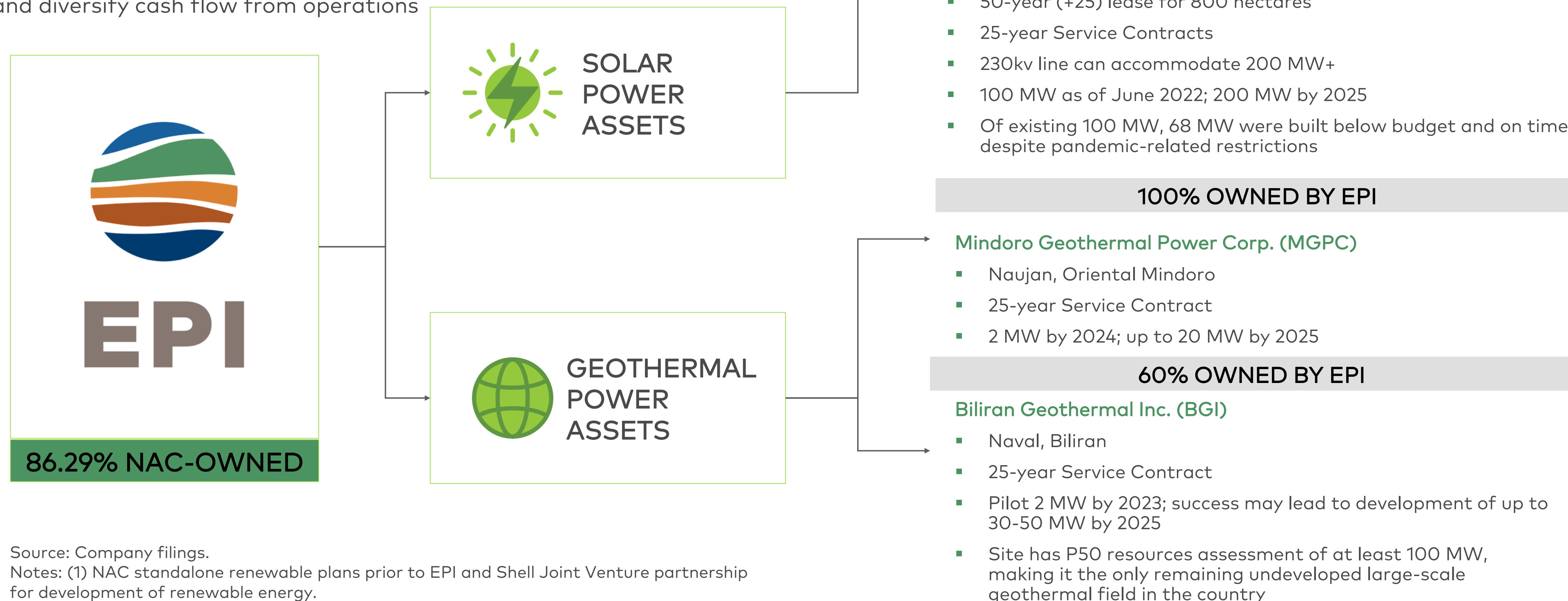
- RE development facilitated by favorable government policies:

- ✓ Feed-in Tariff
- ✓ Renewable Portfolio Standards (RPS)
- ✓ Green Energy Auction
- ✓ Green Energy Options



# INVESTMENT INTO RENEWABLE ENERGY<sup>1</sup>

The Philippine energy sector's shift to renewable sources provides a favorable market for us to grow our renewable energy capacity and is in line with our **corporate culture of sustainability**. Our **dual growth strategy in mining and clean energy** will support both our double-digit income growth goals and ESG thrust, and diversify cash flow from operations



Source: Company filings.

Notes: (1) NAC standalone renewable plans prior to EPI and Shell Joint Venture partnership for development of renewable energy.



# Jobin SQM, Inc. : Operating and Financial results

|                                                |                                                         |                                                                                                                                                                                                       |
|------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Generation is up.                              | 79,022 MWh<br>up 56% vs 2021 Actual                     | ➤ 100 MW in place as 38 MW Phase 3B was energized in June                                                                                                                                             |
| MWh Gen Mix is favorable to EPI.               | 62% capacity contracted<br>vs 2021 Actual of 60%        | <ul style="list-style-type: none"> <li>➤ 97% of 62 MW contracted</li> <li>➤ 38 MW Phase 3B currently sold to WESM awaiting PAO</li> <li>➤ Upon PAO issuance, capacity mix will be at 75/25</li> </ul> |
| Average WESM prices are much higher this year. | P8.47/kWh<br>up 89% vs Sept 2022<br>up 35% vs Sept 2021 | <ul style="list-style-type: none"> <li>➤ Supply constraints, increasing fuel costs, and weaker USD/PHP contribute to elevated WESM prices</li> <li>❖ Expect trend to last through 2024</li> </ul>     |
| Weighted Realized Tariff has increased.        | P4.98/kWh<br>up 2% vs 2021 Actual                       | ➤ Explained above                                                                                                                                                                                     |
| Revenues have grown.                           | P393.67 million<br>up by 60% vs 2021 Actual             | ➤ The combination of higher generation and WESM prices have led to better Revenues and EBITDA.                                                                                                        |
| EBITDA                                         | P331.09 million<br>up 73% vs 2021 Actual                | ➤ Includes P7.40 million realized savings from insurances, personnel costs, and R&M                                                                                                                   |
| EBITDA Margin                                  | 84% of Revenues<br>up 6% pts vs 2021 Actual             | ➤ Within 80-85% target                                                                                                                                                                                |
| Net Income after Tax saw significant boost     | P72.83 million<br>Up 630% vs 2021 Actual                | ➤ Income momentum to be sustained because of high economies of scale and market conditions                                                                                                            |





# INVESTMENT PARAMETERS

In selecting sites, we follow these criteria:

- Irradiance, wind, or geothermal resources assessment are better than average
- Possessory rights are clear and robust
- Viable and cost-effective connection solution to the grid
- ESG best practices can be implemented

In developing solar farms, depending on the site, we are targeting:

|              |                                                 |
|--------------|-------------------------------------------------|
| 99% & 18-20% | Availability and Plant Factor                   |
| 70%          | Minimum capacity contracted under long-term PSA |
| 60-80%       | Non-recourse PHP Project Loans (10-15 yrs)      |
| 85% & 35%    | EBITDA Margin and Net Income Margin             |
| 12-20%       | Equity IRR                                      |

An assumed tariff of PHP

5.0/kWh

→  
FORECASTED TO YIELD

Net income of PHP

300-350 mm

Per 100 MW of solar capacity



# PRESENTATION END



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# APPENDIX



# NIKL AT A GLANCE

Largest producer of lateritic ore in the Philippines, 39% of Philippine nickel mine production and 5.6% of global nickel mine production in 2021, and through Emerging Power, Inc., is a forerunner in the Philippine renewable energy industry with aspirations to hit 1GW installed capacity by 2028.

## COMPANY FACTS

8

Mines

471 mWMT

Total nickel resources  
as of 2021

15.625% and 10%

Interest in Coral Bay and Taganito  
HPAL plants, respectively.

200 MW

Installed solar energy  
capacity by 2025 from  
current 100 MW

## PERFORMANCE

P21.5B

Revenue as of 9M22

P71.2B

Market capitalization  
as of 9M22

52%

EBITDA Margin

- 0.5x

NET DEBT / EBITDA

## OUR PARTNERS



SUMITOMO METAL MINING CO., LTD.



PACIFIC METALS CO., LTD.



Shell



TBEA 特变电工

## SUSTAINABILITY EFFORTS 2017-2021

6M

Trees planted

\$422M

Taxes and royalties paid

900

Hectares rehabilitated

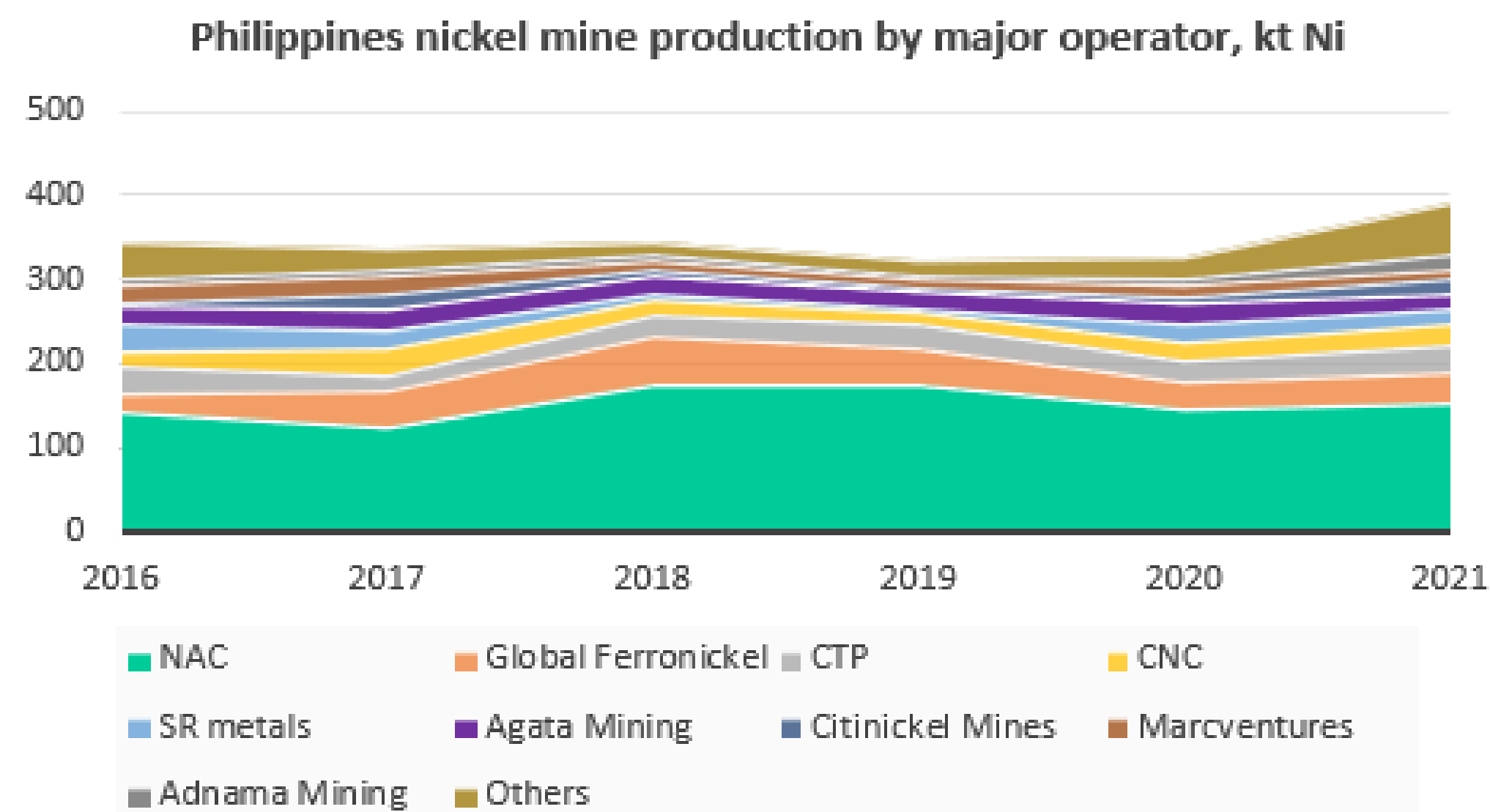
\$46M

Expenditures for  
Environmental Protection



# LEADING MINING BUSINESS

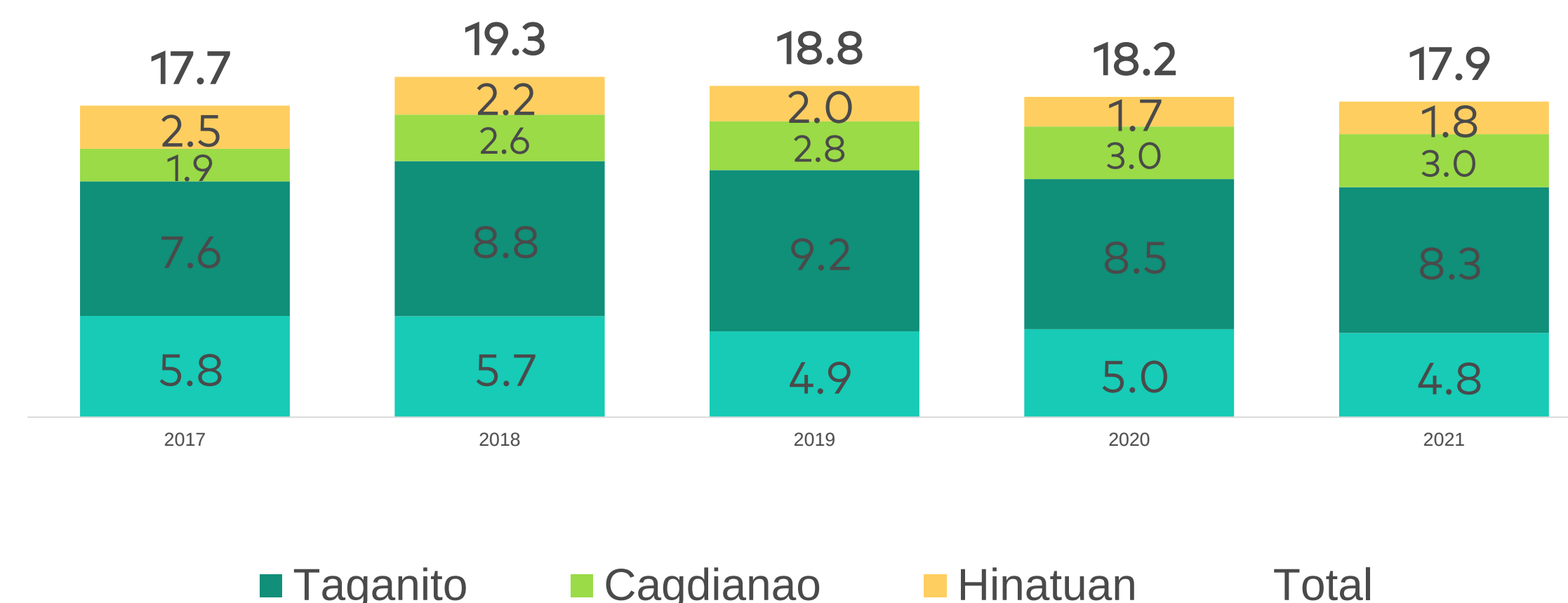
Nickel Asia is the largest Philippine nickel ore producer



- NAC is one of the largest suppliers of lateritic nickel ore globally and the largest nickel ore producer in the Philippines. Its ore production was ~16Mt nickel ore (~155kt Ni) in 2021

And largest established supplier

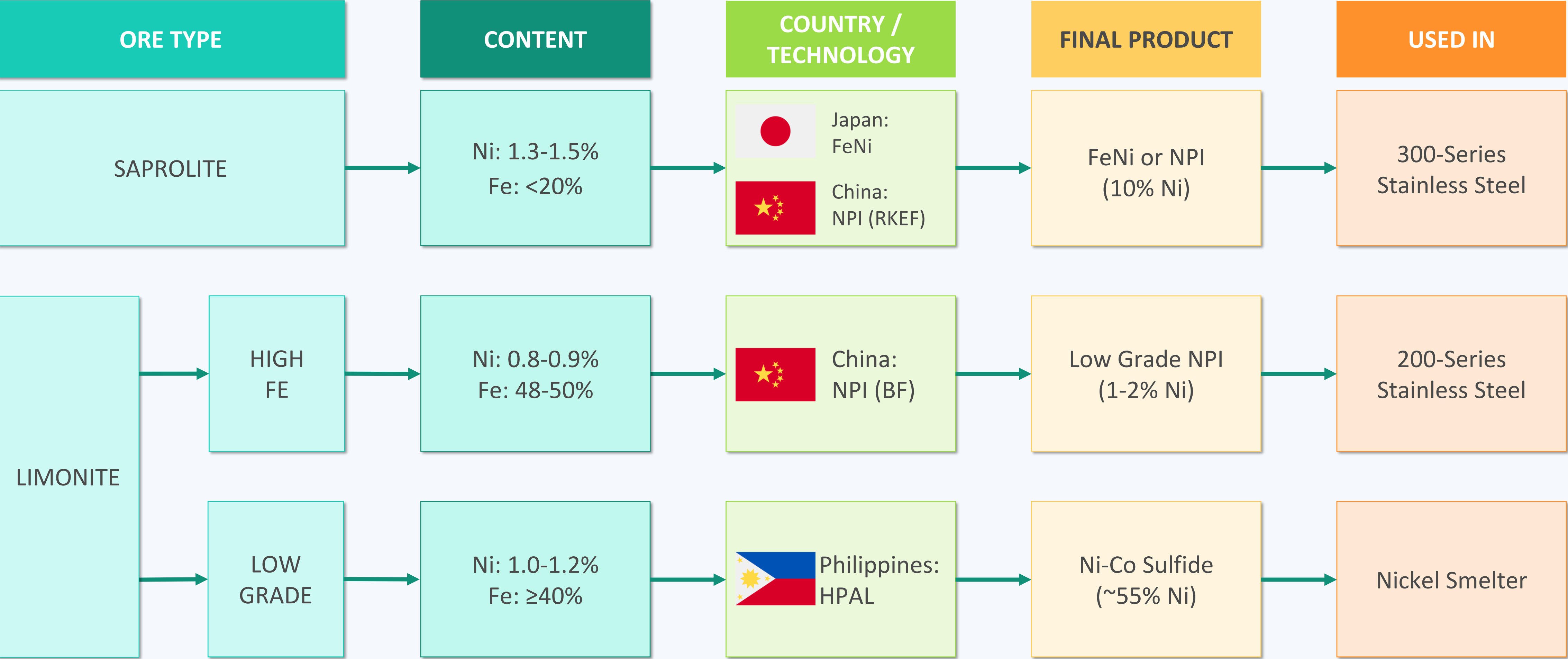
Sales Volume (mWMT)



- Stable long-term nickel ore output** due to long remaining mine life of its operating mines and substantial exploration programs in Bulanjao and Manicani – both of which will operate by 2024



# NICKEL ORE PRODUCTS



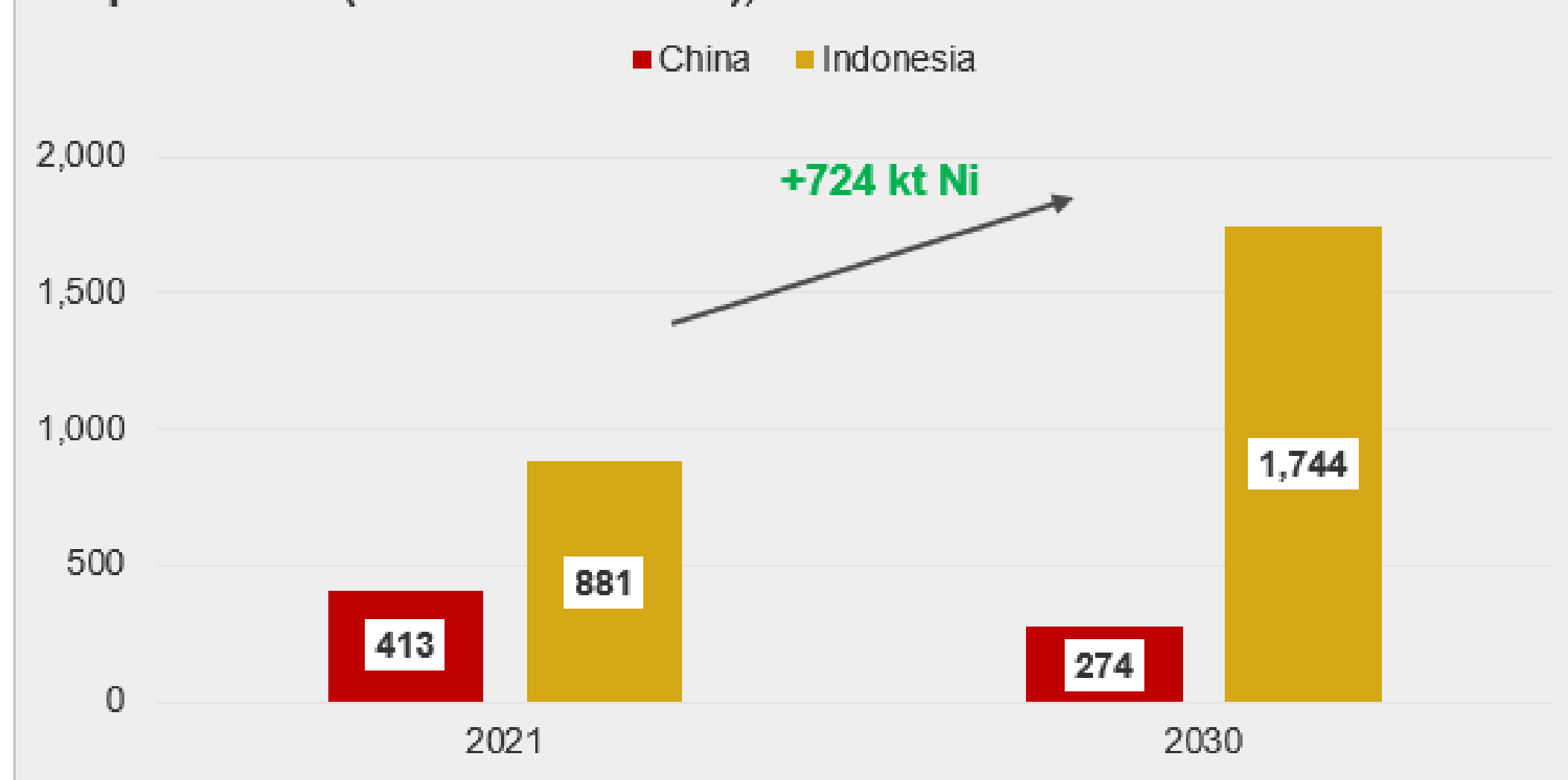


# PHILIPPINES WILL REMAIN THE LARGEST NICKEL ORE SUPPLIER TO CHINA BY 2030

## Philippine nickel ore will be the only choice for Chinese NPI producers:

- China has limited laterite ore resources and its laterite ore grade is too low to be extracted economically
- NAC has strong cost competitiveness in terms of global nickel mining costs, with its four operating mines belonging in the 1<sup>st</sup> to 2<sup>nd</sup> quartiles of the cost curve
- Indonesia nickel ore export ban will continue in the foreseeable future
- China's protectionism policy levied anti-dumping measures against imports of stainless-steel products in March 2019 to protect domestic producers

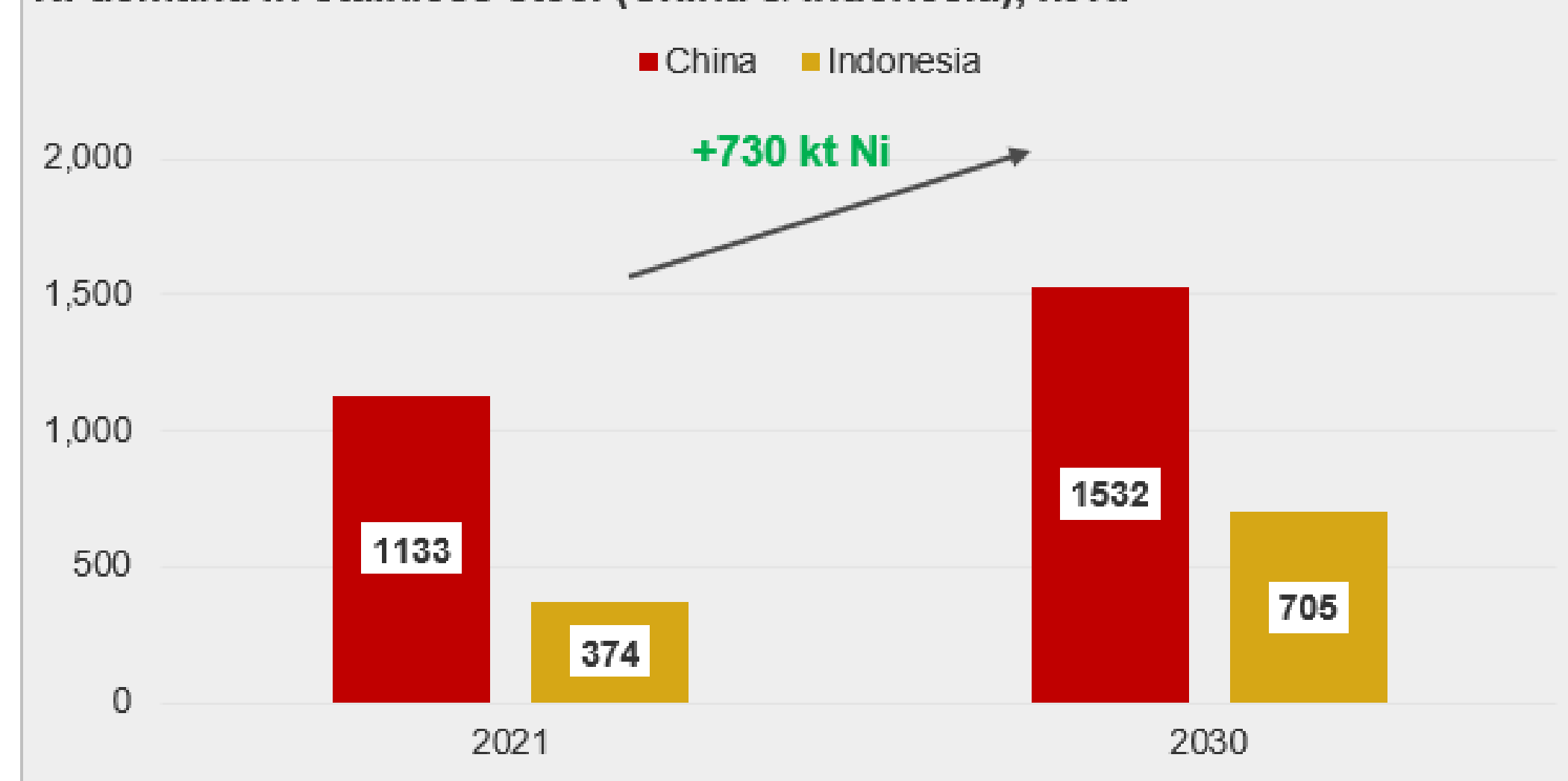
**NPI production (China & Indonesia), kt Ni**



## Philippines will remain the largest nickel ore supplier to China by 2030

- Between 2021 and 2030, primary nickel consumption in stainless steel in China and Indonesia is forecasted to increase by 730 kt Ni. This increase in demand will be met by a forecasted increase in NPI production by both countries at 724 kt Ni
- This indicates that the Philippines' role as China's major supplier will be relevant up until 2030

**Ni demand in stainless steel (China & Indonesia), kt Ni**

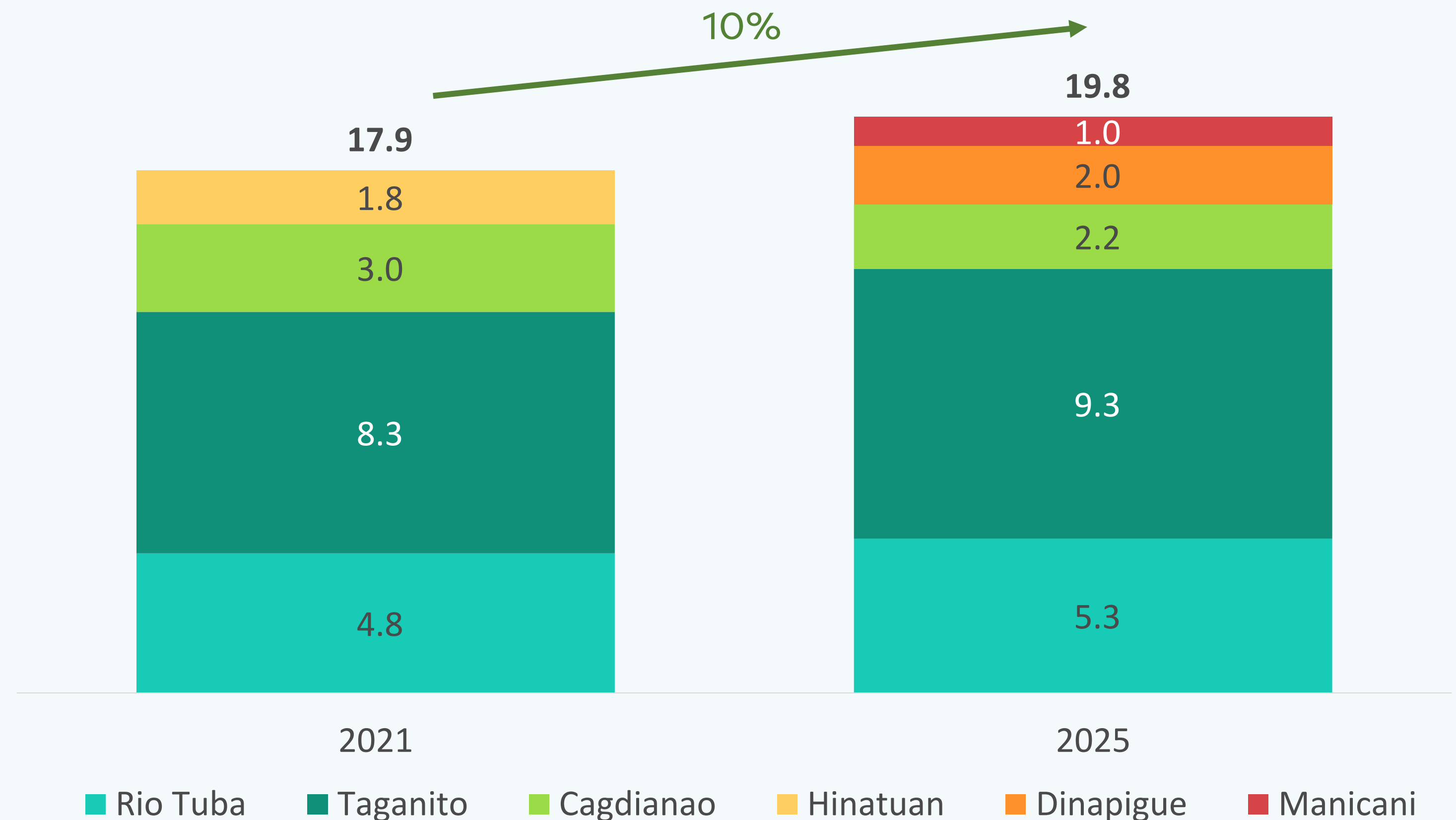




# ACHIEVING STABLE LONG-TERM NICKEL ORE OUTPUT

Sales Volume (In Million WMT)

- Future cash dividends supported by stable nickel ore business and the incremental contribution from the new mines of at least approximately 1M WMT in year 2023
- Remaining mine lives of existing operations from end-2025: RTN 13 years, TMC 7 years, CMC 3 years, DMC 23 years.
- Substantial exploration program yet to be done in Bulanjao (17% of MPSA drilled) and Manicani (38% of MPSA drilled).

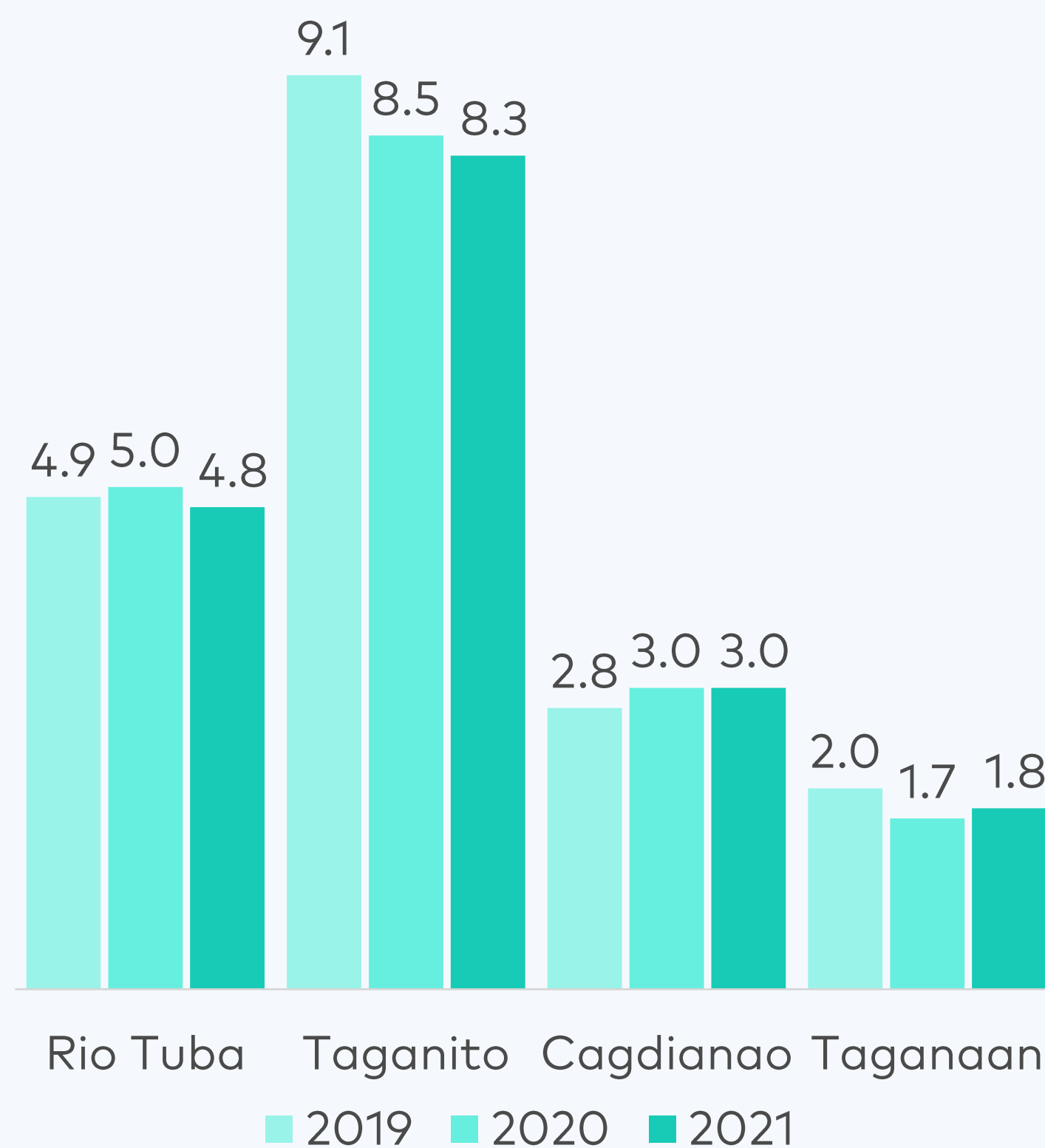




# RESERVES AND MINE LIFE

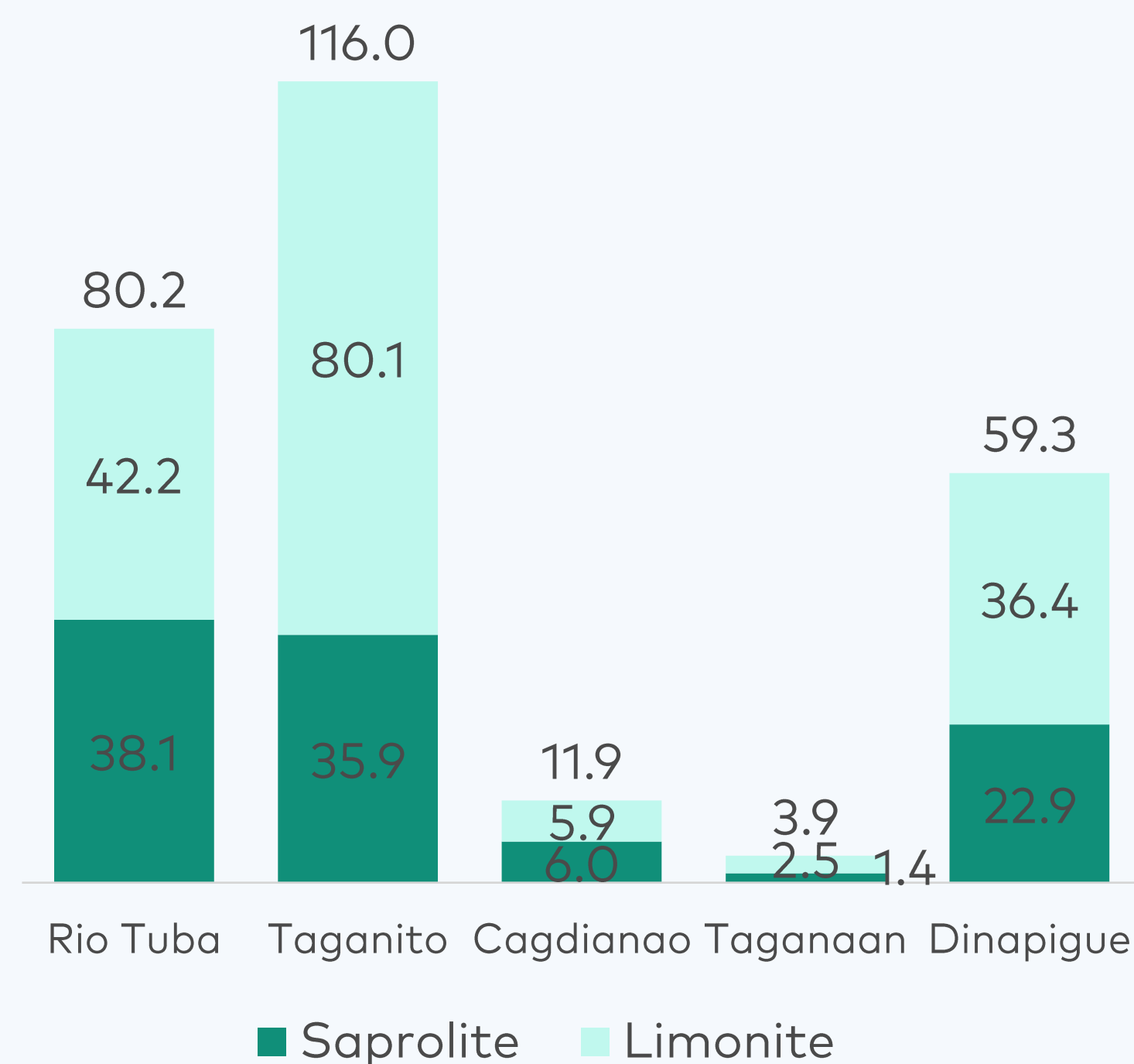
Nickel Asia has the largest nickel reserves and its mines have the longest remaining mine life in the Industry

Shipments by Mine (mWMT)



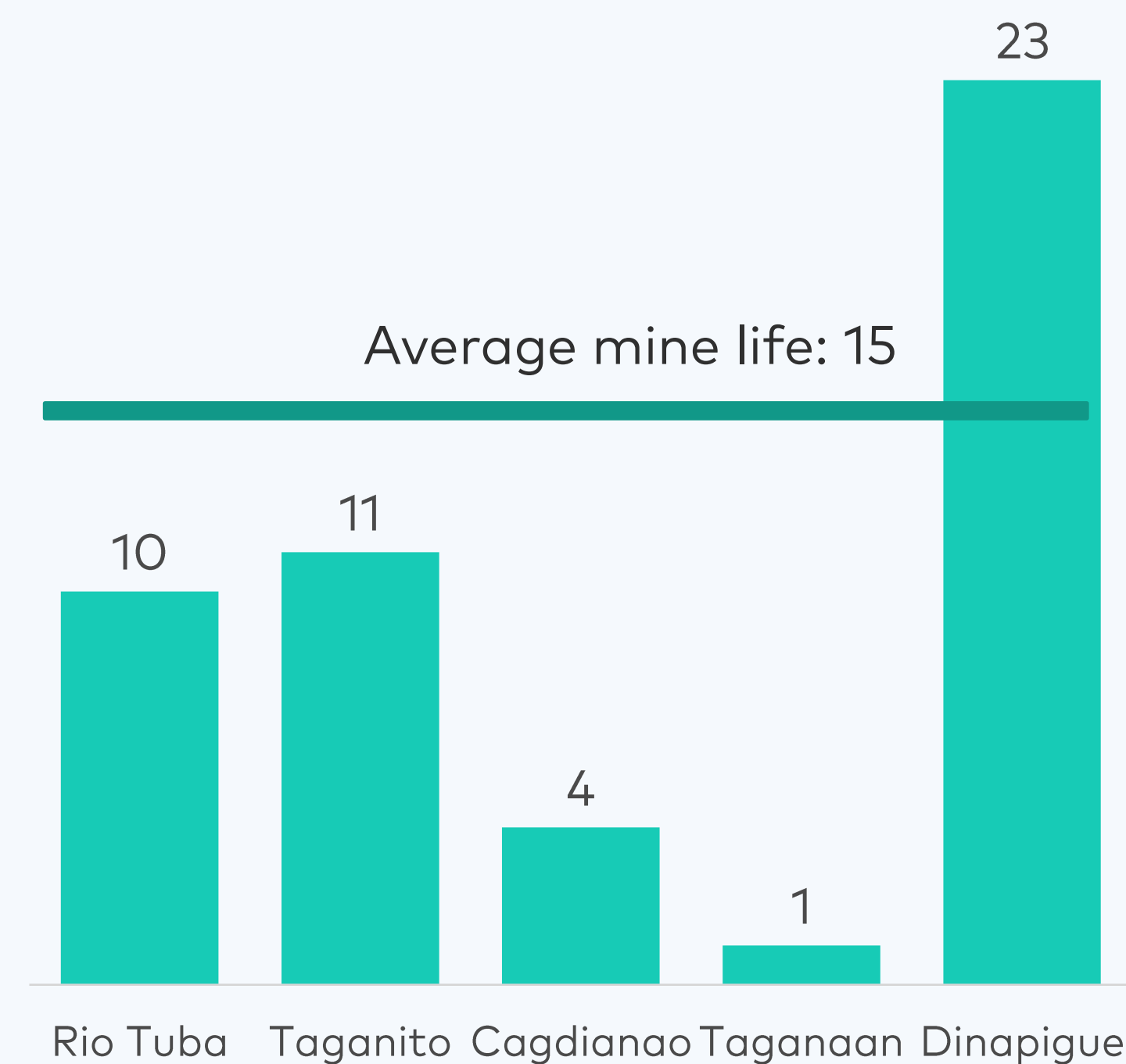
Ore Reserves by Mine (mWMT)

*Proved and Probable (as of Dec. 31, 2021)*

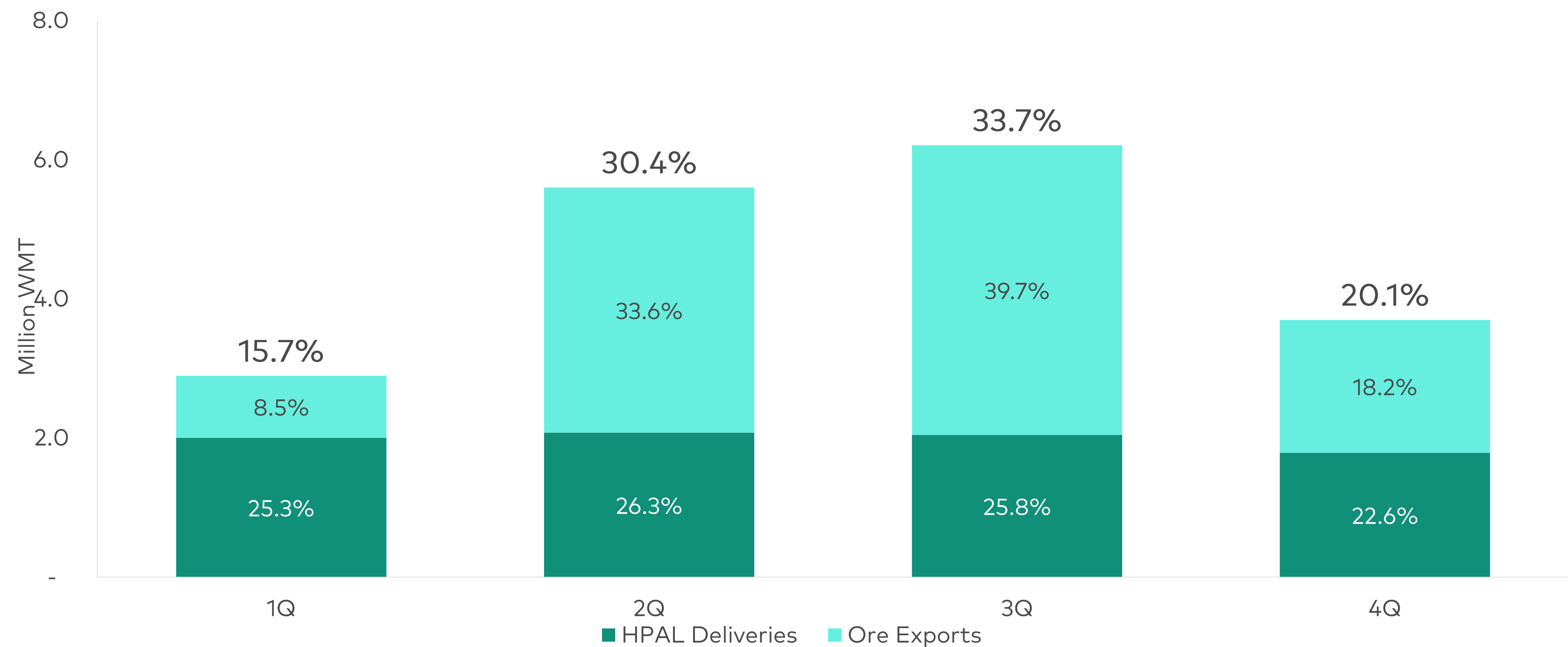


Mine Life

*Years from December 31, 2021*



# ORE SALES VOLUME QUARTERLY DISTRIBUTION (AVE. LAST 5 YEARS)





# SPECIAL CASH DIVIDEND DECLARATION

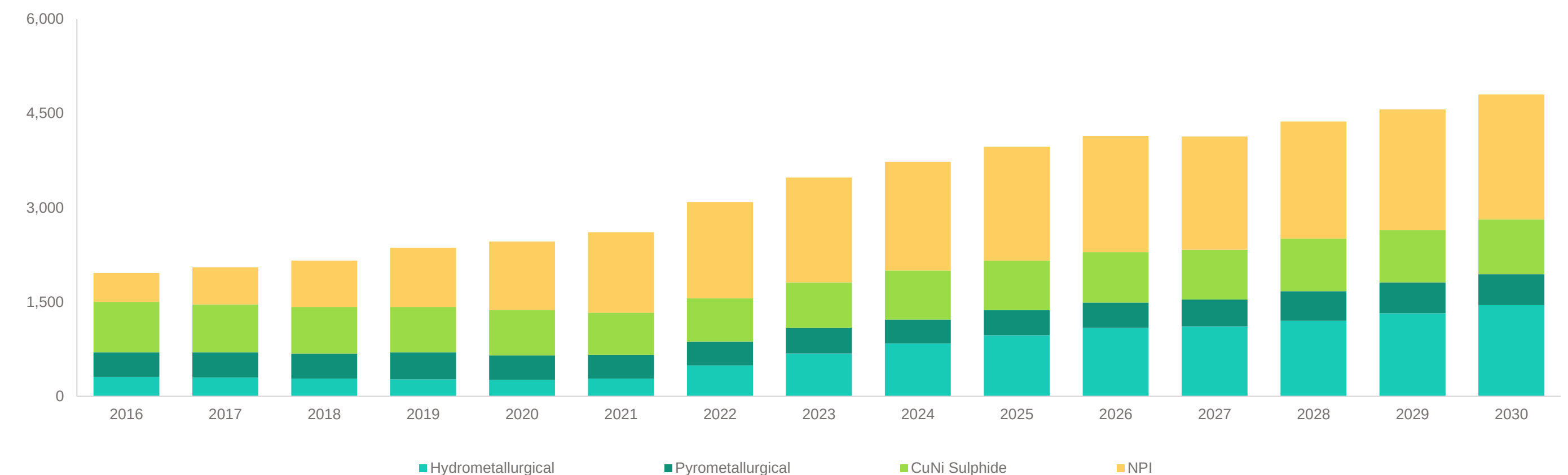
|                                                    |                  | Per Share    | Total Dividend in<br>Billion Php | % of 2021 Net<br>Income |
|----------------------------------------------------|------------------|--------------|----------------------------------|-------------------------|
| Cash Dividend Paid in<br>April 2022                | Regular Dividend | ₱0.17        | ₱2.317                           | 29.7%                   |
|                                                    | Special Dividend | ₱0.05        | ₱0.682                           | 8.7%                    |
|                                                    | <b>Sub-Total</b> | <b>₱0.22</b> | <b>₱2.999</b>                    | <b>38.4%</b>            |
| Special Cash Dividend<br>Declared in November 2022 |                  | ₱0.23        | ₱3.135                           | 40.1%                   |

|                                     |                   |              |               |              |
|-------------------------------------|-------------------|--------------|---------------|--------------|
| <b>Total Cash Dividend for 2022</b> |                   | <b>₱0.45</b> | <b>₱6.134</b> | <b>78.5%</b> |
| Declaration Date:                   | November 10, 2022 |              |               |              |
| Record Date:                        | November 24, 2022 |              |               |              |
| Payment Date:                       | December 9, 2022  |              |               |              |
| 2021 Net Income (Attributable):     | ₱7.813 Billion    |              |               |              |
| Outstanding common shares:          | 13,630,850,117    |              |               |              |

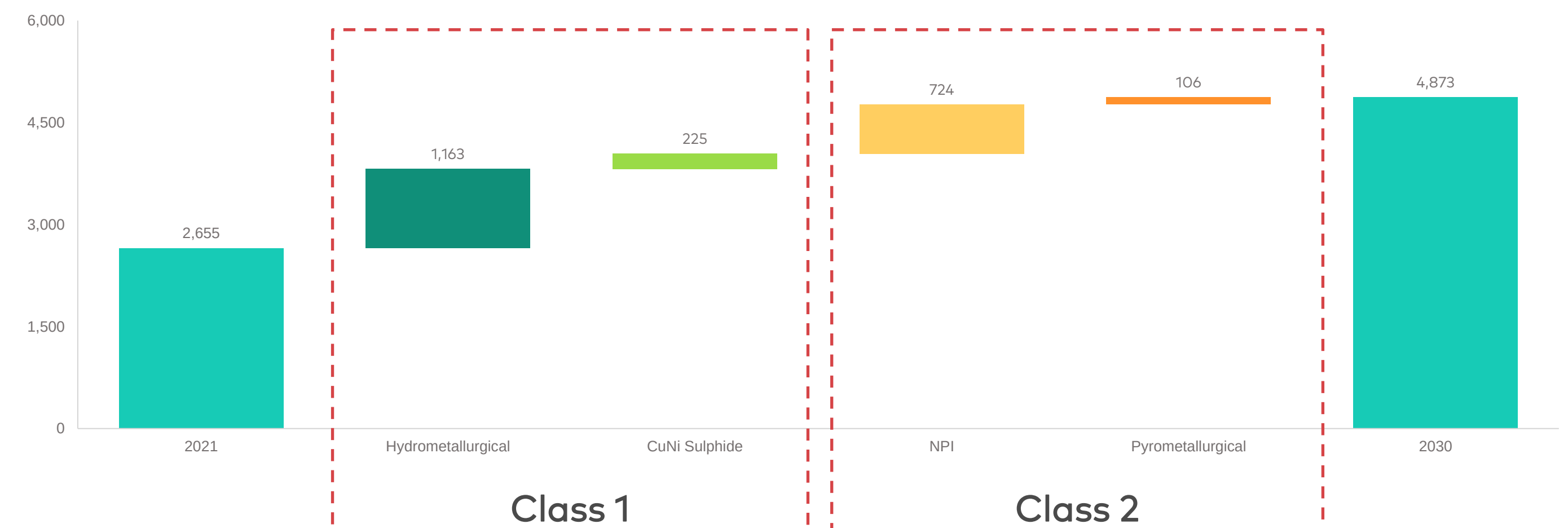
# GLOBAL REFINED NICKEL PRODUCTION

- Global refined nickel production is estimated to rise from 2.7 million ton in 2021 to 4.9 million ton by 2030, representing a CAGR of 6.0% during this period
- Between 2021 and 2030, a strong production growth (with a CAGR of 17%) will be seen for hydrometallurgical production as production for battery feedstock ramps up
  - Following the ramp up of high-pressure acid leaching (HPAL) projects, Class 1 nickel will contribute to most of the production increase, accounting for 63% of supply growth
- NPI will contribute to 87% of the 0.8 Mt Ni increase by Class 2 products from 2021 to 2030
- Class 1 supply will maintain more deficit comparing with Class 2, which will continue to incentivize players to invest in NPI-to-Matte conversion and hydrometallurgical supply including HPAL

Global finished nickel supply by process, 2016-2030, kt Ni



Refined nickel production by product grade, 2021-2030, kt Ni



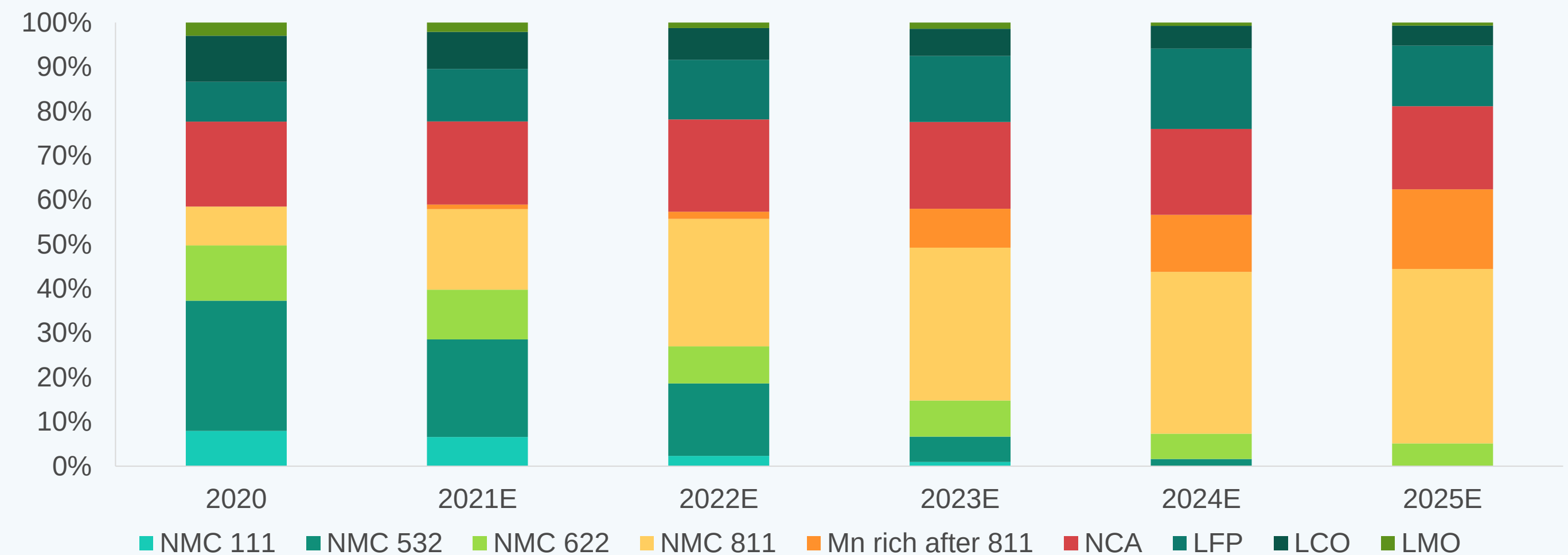


# NICKEL USE IN EVs

- NCA and NMC preferred due to smaller size, longer distance, and safety.
- Trend is to achieve longer distances by increasing cell pack capacity, which requires more Ni.
- Demand for Ni in EVs may be inelastic due to the minimal effect of Ni price vs. EV price:
  - At US\$25,000/t Ni, cost of Ni in NMC955 battery (high range) is US\$1,650. Increase of US\$5,000/t Ni results in cost increase of US\$330.

## Cathode Mix in EV Batteries

Preference for NCA and NMC811 batteries which have higher nickel intensities



Source: Select broker reports as of Jul 2021.

# INVESTMENT IN HPAL PROJECTS

- Most successful implementation of HPAL technology in the world.
- End products are refined in Japan by Sumitomo Metal Mining and ultimately utilized in the production of EV batteries.
- Provides captive market for our low-grade limonite ore, that would otherwise end up as waste materials, thereby enhancing the profitability of Rio Tuba and Taganito mines.

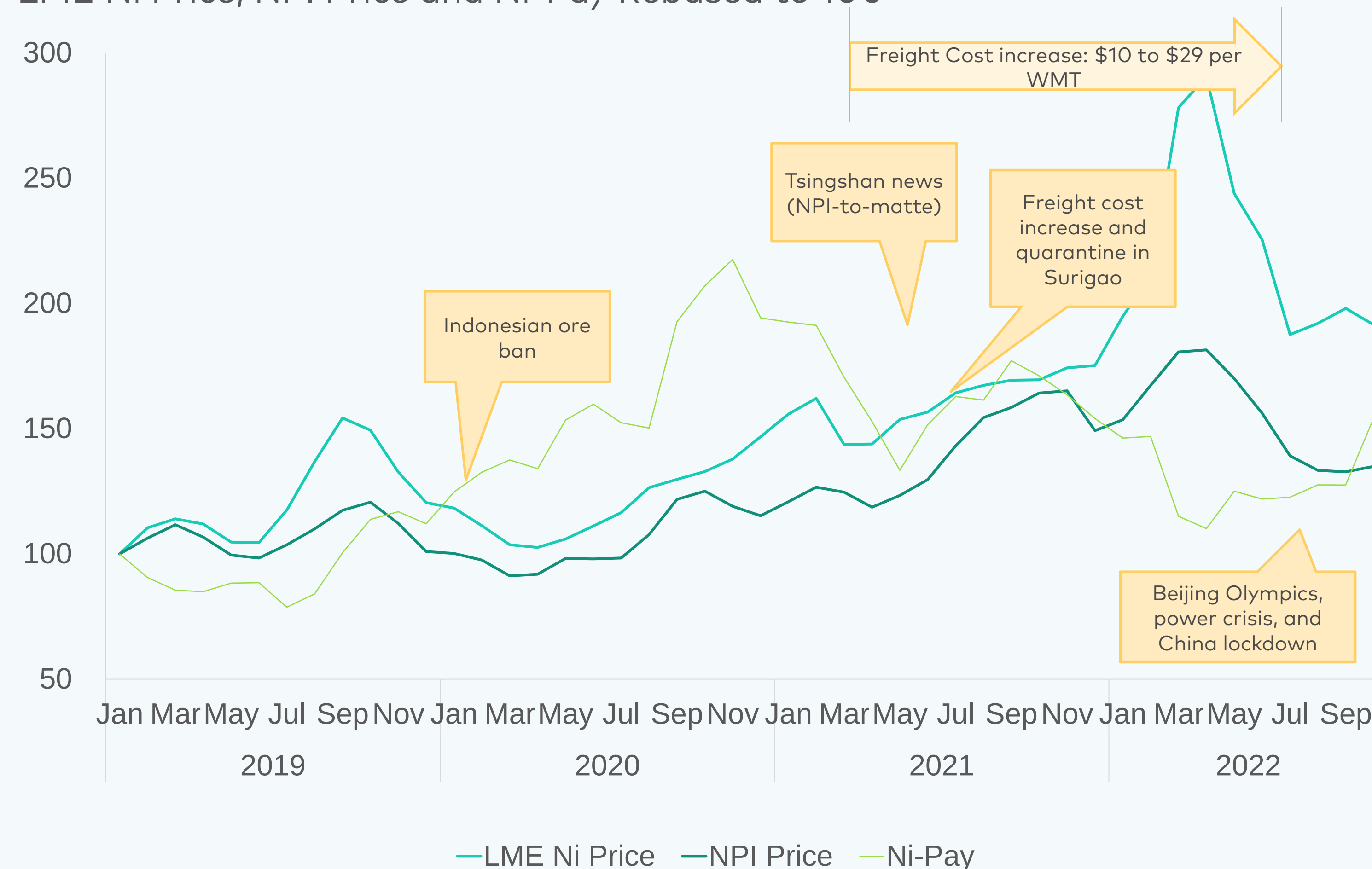
|                              | Coral Bay                                                                   | Taganito HPAL                                |
|------------------------------|-----------------------------------------------------------------------------|----------------------------------------------|
| Location                     | Palawan, adjacent to Rio Tuba mine                                          | Surigao Del Norte, adjacent to Taganito mine |
| Equity Ownership             | 15.625%                                                                     | 10%                                          |
| Project Cost / Year          | \$508 Million / 2005                                                        | \$1.59 Billion / 2013                        |
| Nameplate Capacity           | 20,000 Ni-Ton                                                               | 30,000 Ni-Ton                                |
| Ore Supply (2021)            | 3.1 million WMT                                                             | 4.0 million WMT                              |
| NAC's Equity Earnings (2021) | PHP145.4 million                                                            | PHP412.4 million                             |
| Technology                   | High Pressure Acid Leach (HPAL) process licensed from Sumitomo Metal Mining |                                              |
| Product                      | Ni-Co sulfide sold exclusively to Sumitomo Metal Mining                     |                                              |



# LME AND ORE PRICE TRENDS

- LME Ni and Ni-Pay Factor (Ni-Pay) started rising from mid-2019 in anticipation of Indonesian Ni ore ban.
- The dip in LME Ni in Q1 2021 was due to news of Tsinghan's Ni-to-matte process. Otherwise, trend is upward.
- Sharp decline in Ni-Pay from early 2021 mainly due to rising freight costs.
- COVID restrictions in the Philippines eased in May 2021.
- LME Ni and Ni-Pay from Q4 2021 diverged, due to:
  - Class Divide (EVs = Class 1 Ni)
  - China supply chain disruptions
  - Fuel price

LME Ni Price, NPI Price and Ni-Pay Rebased to 100



# PARTNERSHIP WITH SHELL A SIGNIFICANT MILESTONE

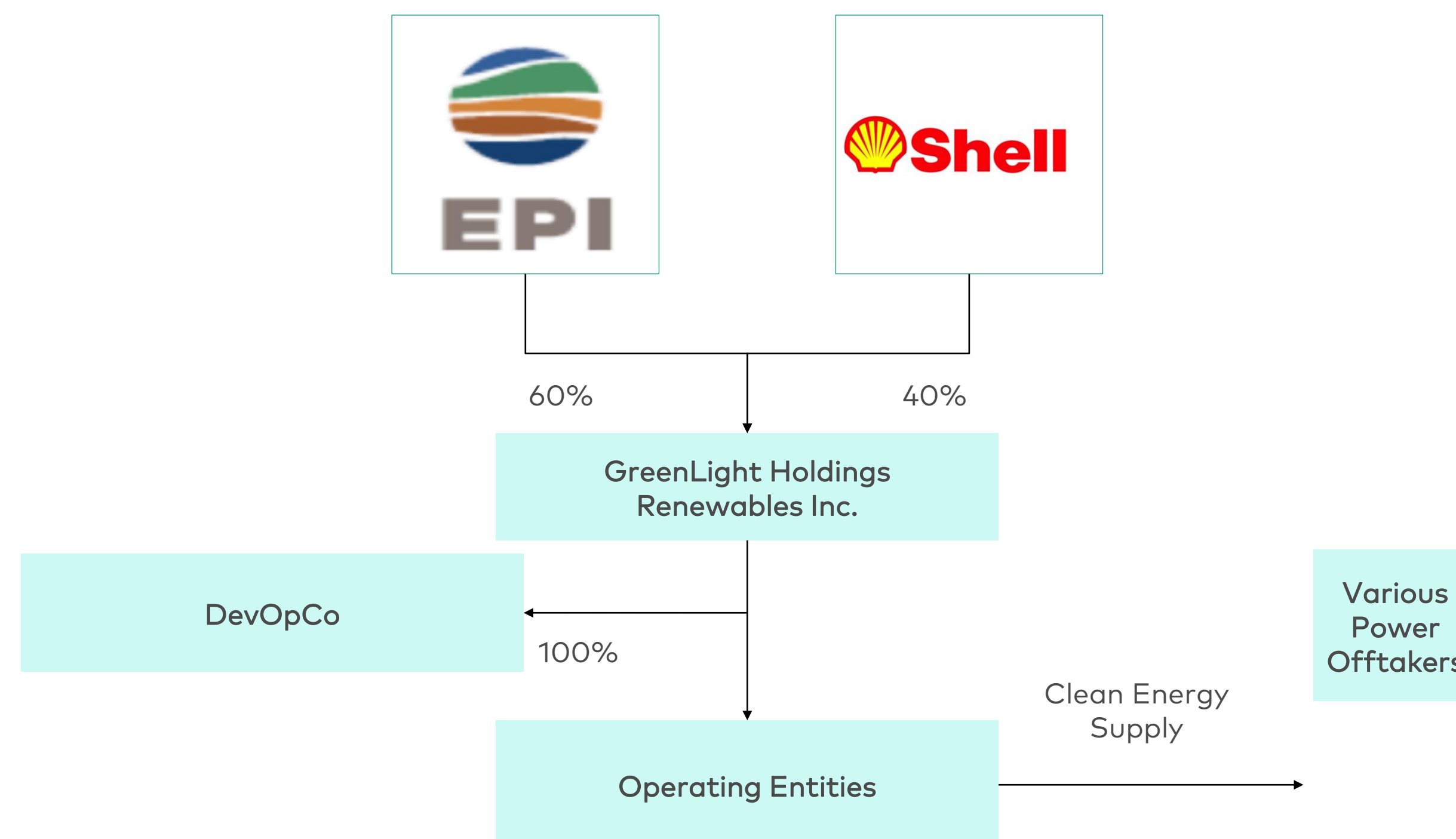
## Overview of Joint Venture

- On July 1, 2022, EPI and Shell signed a Joint Venture (JV) partnership to jointly develop, own, operate, and maintain onshore renewables projects in the Philippines
- Exclusive platform for utility scale grid-connected solar PV, onshore wind and energy storage systems in the Philippines
- Capacity target of 1 GW by 2028 with aspirations of up to 3 GW

## Key Areas of Strategic Partnership and Collaboration

- 1 A strategic partnership with well-established global player like Shell
- 2 Leverages Shell's technical expertise and integrated solutions as a global energy company
- 3 Exploring synergies with retail electricity supplier Shell Energy Philippines
- 4 Tap into additional areas of synergies and operational collaboration between Shell and EPI

## Corporate Structure





# SHELL GROUP & SHELL ENERGY

## Shell Group

- Shell is *one of the largest energy companies globally*, which operates via 4 main businesses;
  - **Upstream:** Exploration, production, marketing and transportation of crude oil, natural gas and natural gas liquids
  - **Downstream:** Manages different chemicals and products activities as part of an integrated value chain that trades and refines crude oil and oil products
  - **Integrated Gas:** Manages liquefied natural gas ("LNG") activities and the production of gas-to-liquids ("GTL") fuels and other products (e.g., electricity and carbon-emission rights)
  - **Renewables and Energy Solutions ("RES"):** Focused on finding commercial ways to meet the evolving energy needs of customers, including hydrogen, power from renewable and low-carbon sources and decarbonization options

## Shell Energy

- Under the Shell Energy brand, the Group *provide innovative, reliable and cleaner energy solutions* through its extensive portfolio of gas, power and environmental products and energy efficiency solutions
- Its customers include energy producers, asset owners, traders, wholesalers, large industrial customers, as well as individual households. Shell Energy's key product & services includes;
  - **Energy Supply:** End-to-end power solutions, renewable power, natural gas
  - **Energy Solutions:** Energy efficiency & management, back-up generation, demand response, EV charging optimization, on-site renewable energy and asset management & operations
  - **Renewable Solutions:** Carbon credits including nature-based-solutions, renewable energy certificates and renewable natural gas
  - **Wholesale:** Tailored energy solutions to help clients meet their power requirements, manage risks and maximize value of their energy portfolio with physical and financial cross-commodity solutions. The company also provides industry leading market intelligence

"Shell is fully committed to the global sustainability efforts and has set goals in-line with the Paris Climate Agreement, as well as to become a net-zero emissions business"

  
70+ countries  
83,000 employees (2020)

  
70 million tonnes  
of liquified natural gas  
(LNG) sold globally in 2020

  
30 million  
Shell provides products and  
solutions to approximately  
30 million customers per day

  
~255+ TWh  
global power sales  
to end customers in 2020

  
5.6+ GW  
operating renewables  
capacity access globally

  
60,000 EV Stations Today  
Shell Energy has 60,000  
electric vehicle charging  
points in 14 countries

| Partner                                                                                                   | Description                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  Breakthrough Energy | <ul style="list-style-type: none"><li>■ First energy anchor partner in their Catalyst programme.</li><li>■ Backed by Bill Gates and other leading organizations, focused on commercialization of green hydrogen, SAF, long-duration energy storage and direct air capture.</li></ul> |
|                      | <ul style="list-style-type: none"><li>■ Extended partnership to develop high performance E-transmission fluids and showcase Shell E-Mobility solutions in the all-electric Formula E racing.</li></ul>                                                                               |
|                      | <ul style="list-style-type: none"><li>■ Signed a strategic cooperation agreement to improve the charging experience for electric vehicle customers around the world</li></ul>                                                                                                        |
|                      | <ul style="list-style-type: none"><li>■ Signed a broad strategic collaboration agreement to accelerate the global energy transition by helping each other achieve their respective commitments for net-zero carbon emissions.</li></ul>                                              |
|                      | <ul style="list-style-type: none"><li>■ Identify projects for the production, use and distribution of green hydrogen and decarbonize RWE gas and biomass-fired power plants in northwest Europe</li></ul>                                                                            |

# EPI ALREADY EXECUTING ON ITS RENEWABLE STRATEGY

|                                                                                                                                     | Solar (JSI)                                 | Geothermal (MGPC)   | Geothermal (BGI)                                |
|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------|-------------------------------------------------|
| Target Capacity by 2025, MWs                                                                                                        | 200 (100 existing)                          | 2 – 20              | 2 – 50                                          |
| Expected Energy Generation, MWh Per Year                                                                                            | 309,000                                     | 16,000 – 161,000    | 16,000 – 403,000                                |
| Target Offtake Arrangements<br>and WESM Exposure                                                                                    | 70% Contracted<br>30% WESM<br>Must-Dispatch | 100% Contracted     | 70% Contracted<br>30% WESM<br>Priority Dispatch |
| Expected Gross Revenue Per Year<br>Average market prices expected to be at<br>PHP4.5/KWh for solar and PhP5.5/KWh for<br>geothermal | PhP1.4 billion                              | PhP89 – 886 million | PhP89 – 2,216 million                           |
| Expected EBITDA Margin                                                                                                              | 82%                                         | 40% – 85%           | 55% – 80%                                       |
| Expected Emission Reduction, t-CO <sub>2</sub> /MWh<br>Based on DOE's Grid Emission Factor                                          | 211,268                                     | 9,600 – 96,370      | 9,600 – 240,930                                 |



# ESG IN OUR DNA

We deliver responsible and sustainable mining and make a positive impact to the communities and environment that we operate in



## EPI SOLAR FARM SUBIC, ZAMBALES

### SOLAR FARM CONVERSION OPTION:

Mined-out areas can be transformed into solar farms like this facility in Subic, Zambales, owned and operated by EPI, a NAC subsidiary



## GAMAWA, SURIGAO DEL NORTE

### AQUAFARM CONVERSION OPTION:

Aquafarms may be created in partnership with national government agencies and peoples' organizations on the ground like this fishing cooperative named GAMAWA in Surigao del Norte that was sponsored by Taganito Mining Corporation

## 2017-2021

6M

Trees planted

900

Hectares rehabilitated

\$422M

Taxes and royalties paid

\$46M

Expenditures for  
Environmental Protection

## 2021

2,534

Employment generated

\$9M

Social Development and  
Management Program,  
Corporate Social Responsibility

# SUSTAINABILITY – AT THE CORE OF NAC KEY BUSINESSES

Our businesses have always been built on a practice of social responsibility – towards our people, towards our communities and towards our environment

## Nickel as a key part of the global energy transition

- As the world moves towards green energy, the need for lithium-ion batteries for use in Electric Vehicles (EV) will continue to increase
- In 2021, nickel-based cathodes powered 80% of the battery capacity deployed in new plug-in EVs<sup>1</sup>
- The key ingredients in the batteries of Electric Cars are the New Energy Metals



### Typical EV battery composition

|               |               |
|---------------|---------------|
| NMC 811       | NMC523        |
| 80% Nickel    | 50% Nickel    |
| 10% Manganese | 20% Manganese |
| 10% Cobalt    | 30% Cobalt    |

## Developing a significant renewable energy business

- In line with our vision, we have increased our commitment to developing a significant renewable energy generation business through Emerging Power, Inc. (EPI), an 86.29%-owned subsidiary
- EPI's current operation capacity is 100 MW with a target of 1 GW by 2028, which is boosted by our Joint Venture with Shell
- On July 1, 2022, EPI and Shell signed a Joint Venture (JV) to develop, own, operate, and maintain onshore renewables projects in the Philippines

With NAC's main business in Nickel mining, we will be an enabler for the growth in demand for EV batteries, supporting the decarbonization of the transportation and automobile industry

The renewable energy business represents diversification for NAC and is important towards the pivot towards clean energy which further enhances the company's push for a cleaner and sustainable future



# OUR SUSTAINABILITY PERFORMANCE AND TARGETS

ESG is at the forefront of our priority to address material risks with our medium- to long-term targets and fulfill the decarbonization goals of the Government

## Our Sustainability Performance and Targets

|                                                                                                          | SDGs                                                                                                                                                                                                                                                                                                                                               | Metric                                 | 2021 Achievements                                                                     | 2025 Targets                                                                          |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <br><b>Environment</b>  |  <br>          | <b>Renewable Energy Generation</b>     | 62 MW Operational Capacity                                                            | 650 MW by 2025                                                                        |
|                                                                                                          |                                                                                                                                                                                                                                                                                                                                                    | <b>GHG Emissions (Scope 1 &amp; 2)</b> | 99,406 tCO <sub>2</sub> e Total Greenhouse Gas Emissions in Scopes 1 and 2            | 10% Reduction in Scopes 1 and 2 GHG Emissions                                         |
|                                                                                                          |                                                                                                                                                                                                                                                                                                                                                    | <b>Carbon Sequestration</b>            | 155,211 tCO <sub>2</sub> Sequestered from Reforestation including Mine Rehabilitation | 208,514 tCO <sub>2</sub> Sequestered from Reforestation including Mine Rehabilitation |
|                                                                                                          |                                                                                                                                                                                                                                                                                                                                                    | <b>Biodiversity Protection</b>         | 9,187 hectares of terrestrial habitat protected and restored                          | 10,376 hectares of terrestrial habitat protected and restored                         |
| <br><b>Social</b>     |  <br>  | <b>Safe Workplace</b>                  | Zero (0) Lost Time Accidents                                                          | Zero (0) Lost Time Accidents                                                          |
|                                                                                                          |                                                                                                                                                                                                                                                                                                                                                    | <b>Health Care</b>                     | 100% Employees Covered by Annual Physical Exam                                        | 100% Employees Covered by Annual Physical Exam                                        |
|                                                                                                          |                                                                                                                                                                                                                                                                                                                                                    | <b>Mental Health</b>                   | All Subsidiary Companies with Access to Mental Health Care                            | All Subsidiary Companies with Access to Mental Health Care                            |
|                                                                                                          |                                                                                                                                                                                                                                                                                                                                                    | <b>Gender Equality</b>                 | 27% Women in Supervisory and Managerial Positions                                     | 30% Women in Supervisory and Managerial Positions                                     |
|                                                                                                          |                                                                                                                                                                                                                                                                                                                                                    | <b>Sustainable Communities</b>         | 22% of Total Households with Access to Level 3 Water System                           | 64% of Total Households with Access to Level 3 Water System                           |
| <br><b>Governance</b> |  <br>                                                                                     | <b>Diversity and Inclusion</b>         | 24% Average Women Representation in Top Level Management Positions                    | 30% Average Women Representation in Top Level Management Positions                    |
|                                                                                                          |                                                                                                                                                                                                                                                                                                                                                    | <b>Transparency</b>                    | \$87mn Taxes & Royalties Paid                                                         | \$101mn Taxes & Royalties Paid                                                        |
|                                                                                                          |                                                                                                                                                                                                                                                                                                                                                    | <b>Zero Bribery</b>                    | Zero (0) Bribery Incidents                                                            | Zero (0) Bribery Incidents                                                            |
|                                                                                                          |                                                                                                                                                                                                                                                                                                                                                    | <b>Governance Mechanism</b>            | Dedicated Sustainability Committee reporting to Board of Directors                    | Incorporate ESG strategy with Risk Management Framework                               |
|                                                                                                          |                                                                                                                                                                                                                                                                                                                                                    | <b>Board Commitments</b>               | Approved New Vision in November 2021                                                  | Evaluation and Updating of Roadmap based on Accomplishment and Assessment             |

## Our Long-Term Targets

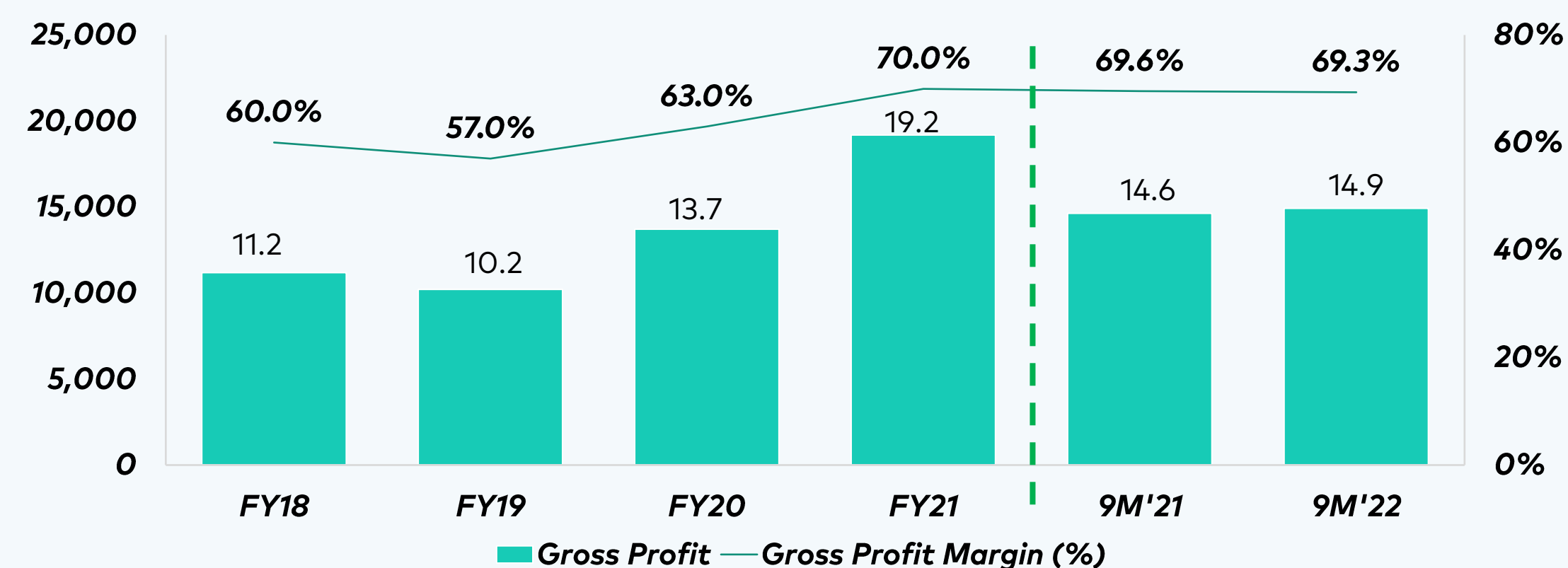
- Increase Renewable energy capacity to >1GW
- 25% decrease in scopes 1 & 2 GHG emissions by 2030 vs 2021 baseline
- 0 waste to landfill by 2030
- Carbon Neutrality by 2050

Our efforts will help minimize material risks and promote sustainable development

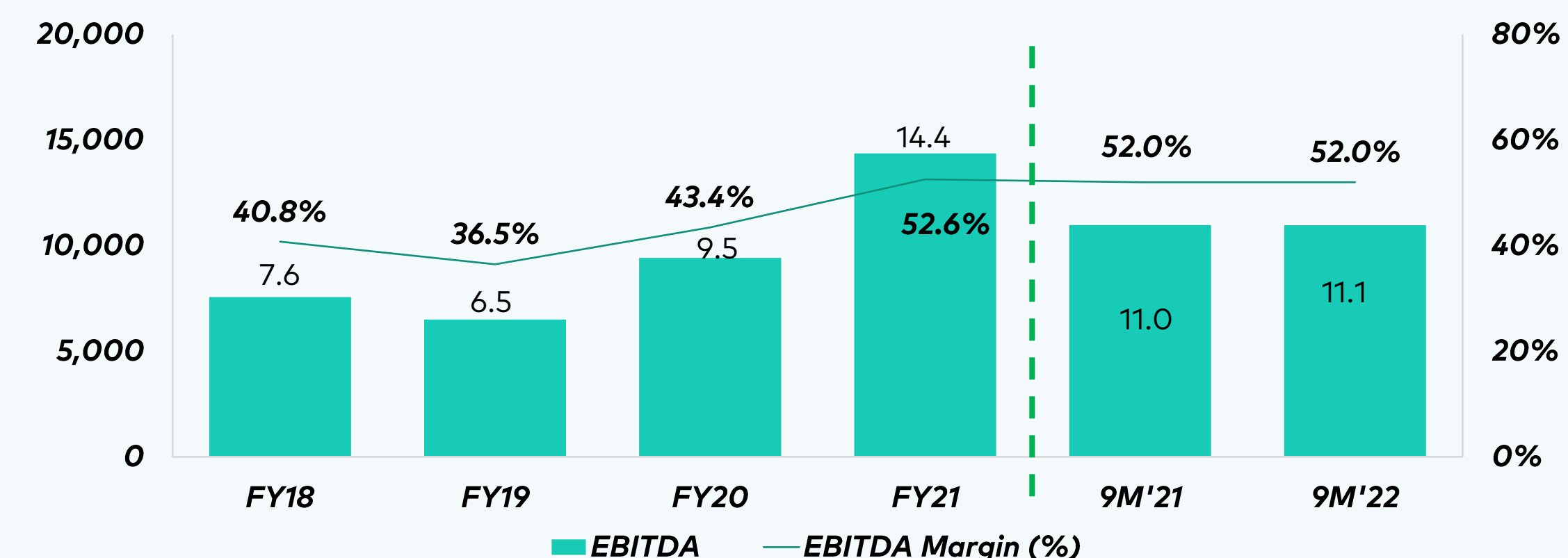
- Secure resources while managing regulatory risks
- Satisfy downstream customers
- Establish sustainable relationships with ecosystem / stakeholders
- Minimize risks of malpractice and catastrophes
- Set path to carbon neutrality by 2050
- Optimize capital allocation with EV/RE exposure

# NAC'S STRONG FINANCIAL PERFORMANCE

Gross Profit (PHP bn) & Gross Profit Margin (%)



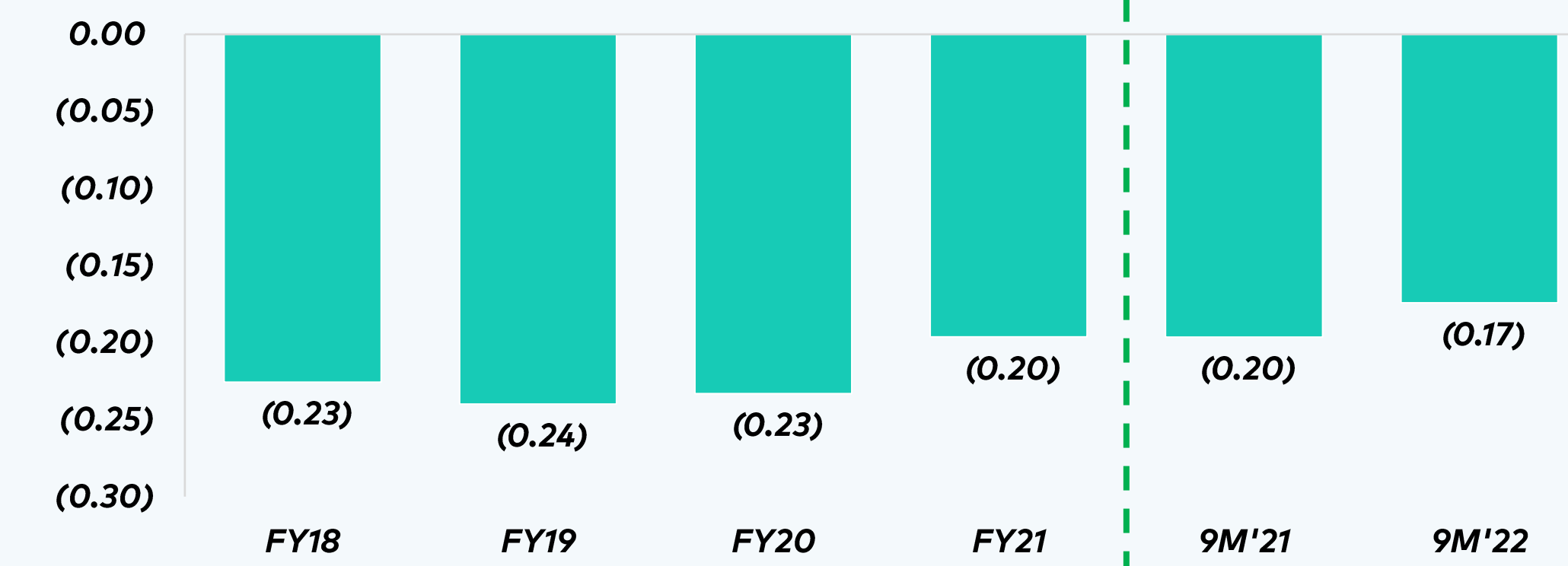
EBITDA (PHP bn) & EBITDA Margin (%)



Total Debt<sup>1</sup> / Total Assets (x)



Net Debt<sup>2</sup> / Total Equity (x)



Source: Company Annual and Quarterly Reports.

Notes:

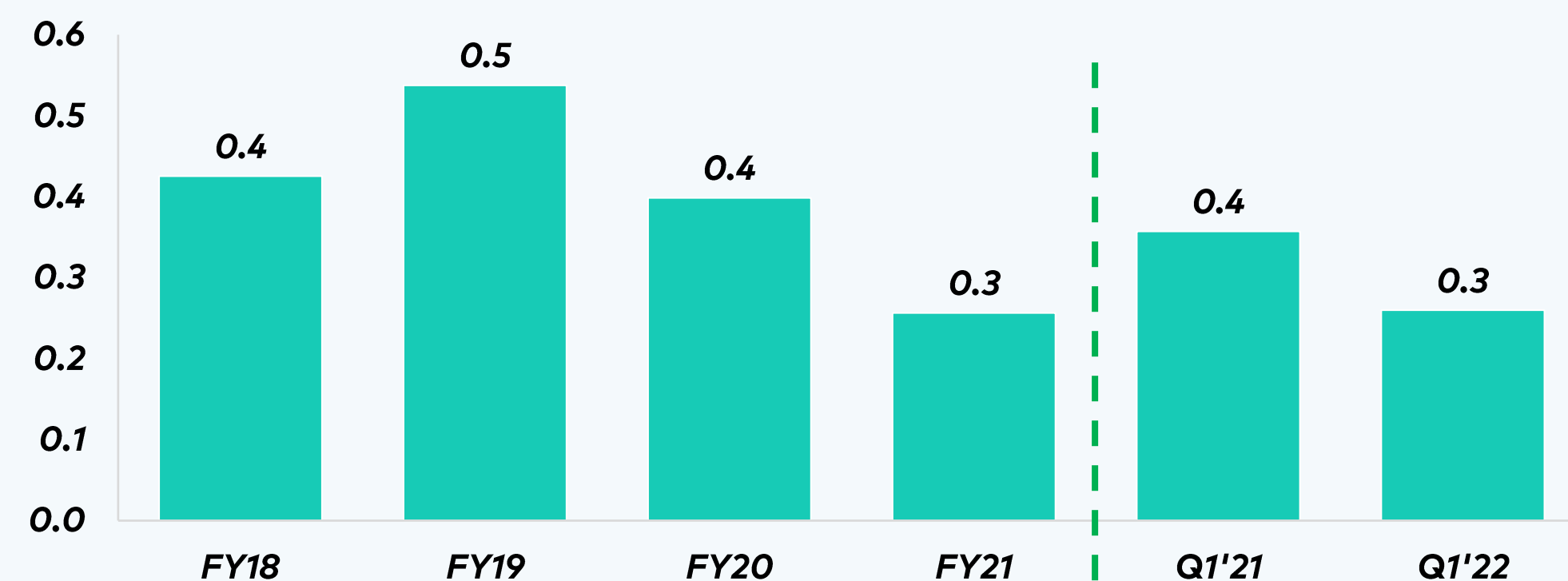
(1) Total Debt includes short term debt, long term debt, fixed payment obligations such as lease liabilities and pension payments.

(2) Net Debt is calculated by subtracting cash and cash equivalents from Total Debt;

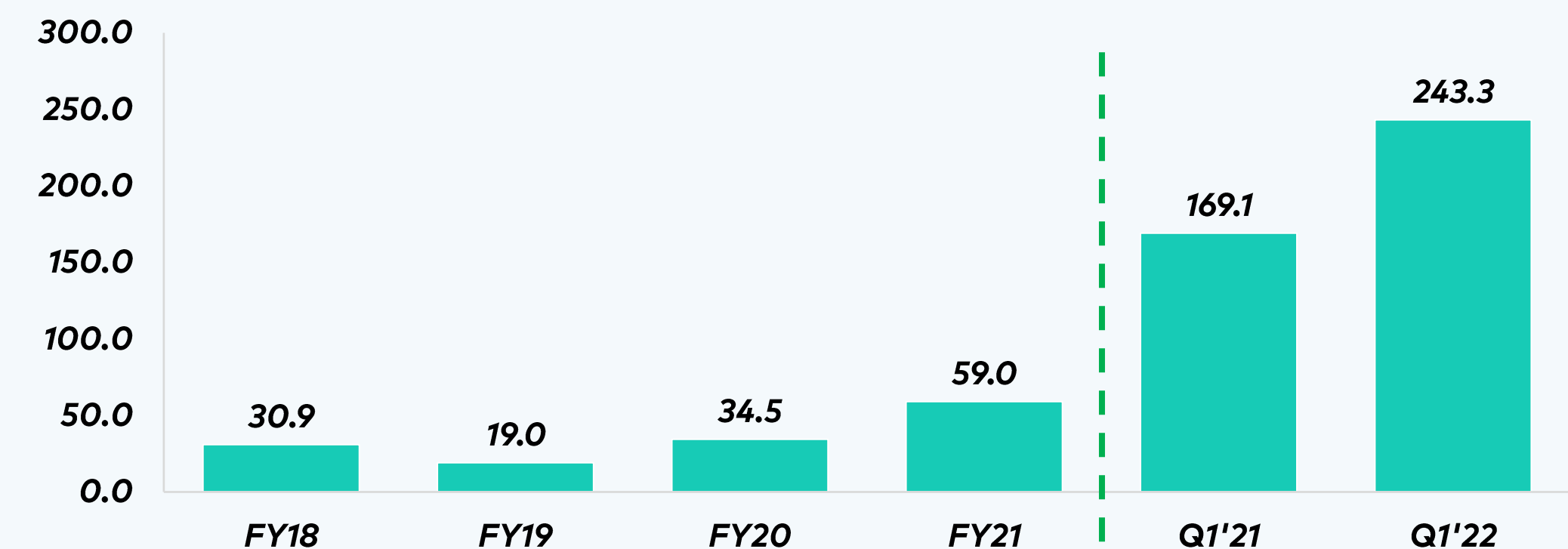


# NAC'S PRUDENT CAPITAL STRUCTURE

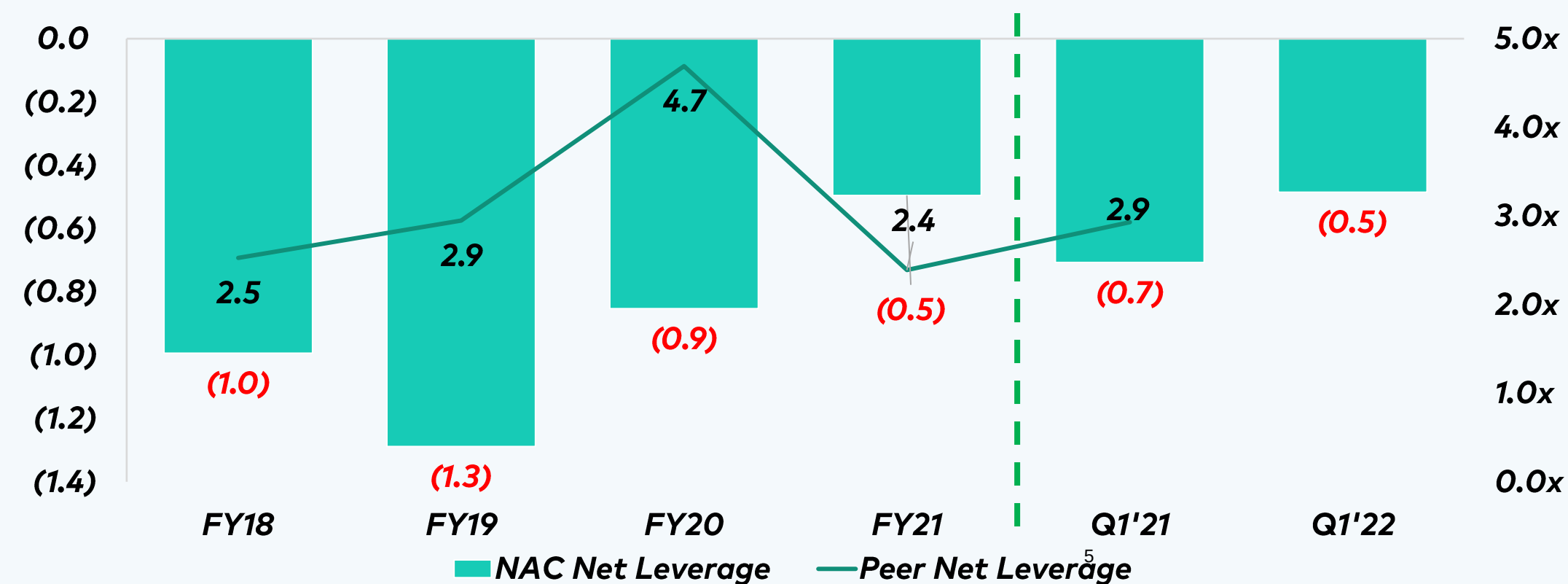
Total Debt<sup>1</sup> / EBITDA (x)



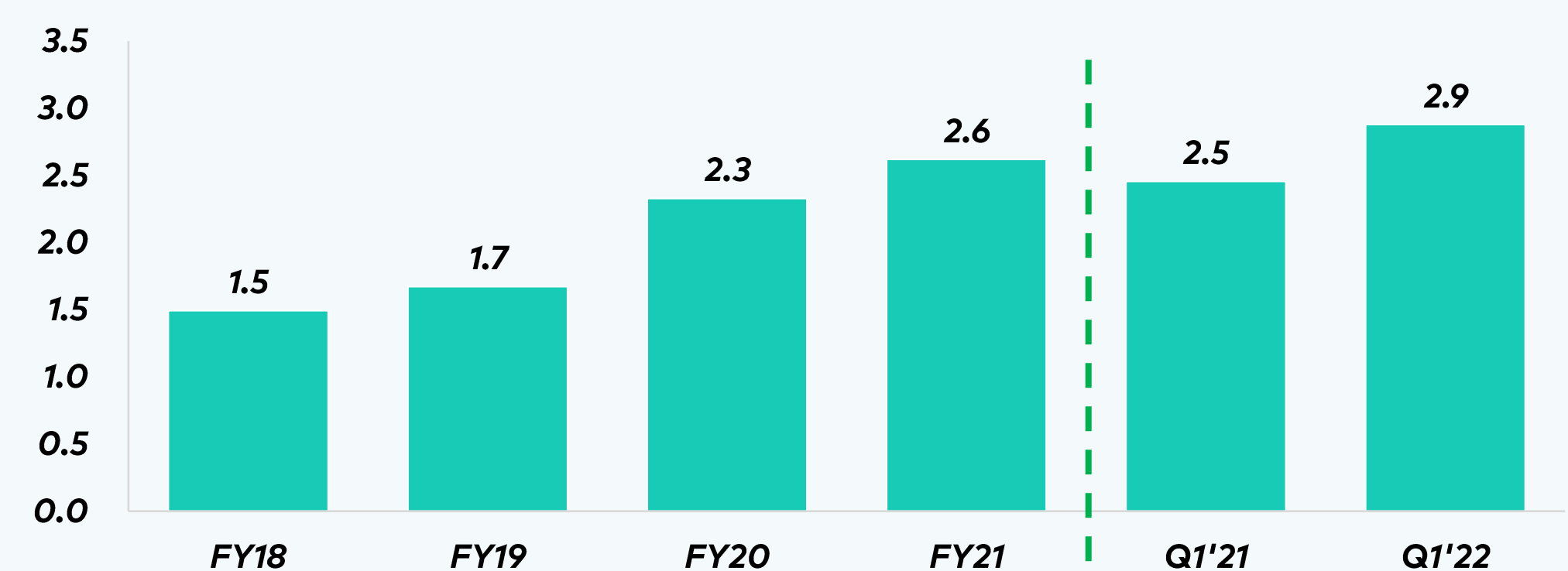
EBITDA Interest Coverage (x)<sup>3,4</sup>



Net Debt<sup>2</sup> / EBITDA<sup>3</sup> (x)



Cash Flow from Operating Activities / Total Debt (x)<sup>1</sup>



Source: Company Annual and Quarterly Reports.

Notes:

(1) Total Debt includes short term debt, long term debt, fixed payment obligations such as lease liabilities and pension payments.

(2) Net Debt is calculated by subtracting cash and cash equivalents from Total Debt;

(3) EBITDA used is calculated on the sum of the last 4 quarters

(4) Interest used is calculated on a last twelve months basis;

(5) Peers include ICTSI, Jollibee, Aboitiz Equity Ventures, Vista Land & Lifescapes, Nickel Mines Ltd, Fortescue Metals Group, JSW Steel and China Hongqiao